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U. S. D. A. PUBLICATIONS

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Agricultural War Information

- 1 AGRICULTURAL war information. 8 Nos. 1943. 1 Ag84Aw
- AWI-32. Protect home-cured meat from insects. 4 p. folder.
- AWI-63. Preparing home-grown vegetables and fruits for freezing. 14 p. folder.
- AWI-64. Why feed the insects? Protect the dried foods in your home. 4 p. folder.
- AWI-65. Take care of pressure canners. 14 p. folder.
- AWI-70. Kitchen intruders [insects]. Why tolerate them? 4 p. folder.
- AWI-71. Save weather-damaged soybeans. 11 p. folder.
- AWI-72. Produce more meat, milk and leather with no more feed by controlling cattle grubs [Hypoderma]. 5 p. folder.
- AWI-73. Cooking with soya flour and grits. 16 p.

Circulars

- 2 GOODSELL, W. D. Farm adjustments and income on typical Corn Belt farms. U. S. D. A. Cir. 688, 59 p. 1943. 1 Ag84C
- 3 HALLER, M. H. Winter storage of strawberry plants. U. S. D. A. Cir. 669, 16 p. 1943. 1 Ag84C
- 4 HORTON, J. R., JONES, E. T., and WADLEY, F. M. The Hessian fly [Phytophaga destructor] and its control by late sowing of wheat in Oklahoma and Arkansas. U. S. D. A. Cir. 687, 10 p. 1943. 1 Ag84C
- 5 LANGFORD, M. H. Fungicidal control of South American leaf blight of hevea rubber trees. U. S. D. A. Cir. 686, 20 p. 1943. 1 Ag84C
- 6 MEHRING, A. L., and VINCENT, G. P. Fertilizer consumption in 1941 and trends in usage. U. S. D. A. Cir. 689, 55 p. 1943. 1 Ag84C
- 7 SNYDER, T. E., and ZETEK, JAMES. Effectiveness of wood preservatives in preventing attack by termites. U. S. D. A. Cir. 683, 24 p. 1943. 1 Ag84C

Farmer and the War

- 8 NEGRO farmers in wartime food production. U. S. D. A. The Farmer and the War 6, 13 p. 1943. 1 Ag84FW

Farmers' Bulletins

- 9 COWAN, F. T., SHIPMAN, H. J., and WAKELAND, CLAUDE. Mormon crickets [Anabrus simplex] and their control. U. S. D. A. Farmers' Bul. 1928, 17 p. 1943. 1 Ag84F
- 10 HARLAN, H. V., and WIEBE, G. A. Growing barley for malt and feed. U. S. D. A. Farmers' Bul. 1732, rev., 19 p. 1943. 1 Ag84F
- 11 MCKEE, ROLAND, and STEPHENS, J. L. Kudzu as a farm crop. U. S. D. A. Farmers' Bul. 1923, 13 p. 1943. 1 Ag84F
- Revision, to supersede Leaflet No. 91.
- Considers advantages; requirements; precautions.
- 12 THOMPSON, H. C., BOSWELL, V. R., and BEATTIE, J. H. Storage of sweetpotatoes. U. S. D. A. Farmers' Bul. 1442, slightly rev., 27 p. 1943. 1 Ag84F
- Revision, to supersede Farmers' Bulletin 970.

Interbureau Coordinating Committee on Post-War Programs

- 13 AGRICULTURE when the war ends. 57 p., processed. 1943. 1.90 C2In8Pag
- Probable post-war crop and livestock pattern and general agricultural conditions.
- 14 FORMATION of regional working groups and initiation of community projects. 4 p., processed. 1943. (RU-1) 1.90 C2In8Pru
- Memorandum to Chairman of Regional Post-War Programs Committees, from M. Ezekiel, Activity Leader on Rural-Urban Studies, with enclosure entitled: Postwar Jobs in Private Business; A Handbook For Community Chairmen. 20 p.
- 15 MANUAL of work on rural industries; suggested steps for community organization. 4 p., processed. 1943. (RU-3) 1.90 C2In8Pru
- 16 SUGGESTIONS for members of regional working groups on rural-urban studies (Southeast Region). 1 p., typewritten. 1943. (RU-2) 1.90 C2In8Pru

Leaflets

- 17 DONOHUE, H. C., and others. Preventing damage to commercial dried fruits by the raisin moth [Ephestia figulilella]. U. S. D. A. Leaflet 236, 6 p. 1943. 1 Ag84L
- Perez Simmons, D. F. Barnes, G. H. Kaloostian, and C. K. Fisher, joint authors.
- 18 SIMMONS, PEREZ. Preventing insect damage in home-dried fruits. U. S. D. A. Leaflet 235, 4 p. 1943. 1 Ag84L

Miscellaneous Circulars

- 19 HOWE, P. E., HARSHAW, H. M., and WOODWARD, T. E. A handbook for better feeding of livestock. U. S. D. A. Misc. Cir. 12, rev., 71 p. 1943. 1 Ag86Cm

Miscellaneous Publications

- 20 COMPTON, L. V. Techniques of fishpond management. U. S. D. A. Misc. Pub. 528, 22 p. 1943. Ref., p. 21-22. 1 Ag84M
- 21 RANGE and livestock production practices in the Southwest. U. S. D. A. Misc. Pub. 529, 21 p. 1943. 1 Ag84M
- U. S. Dept. of the Interior, New Mexico College of Agriculture and Mechanic Arts, and the University of Arizona cooperating.
- 22 WATSON, L. J., and STEDRONSKY, V. L. Packing of cotton at gins for uniform density. U. S. D. A. Misc. Pub. 527, 22 p. 1943. 1 Ag84M
- 23 ZUMBRO, P. B., BUSTER, M. W., and SYKES, J. D. Improving poultry through the national poultry improvement plan. U. S. D. A. Misc. Pub. 317, rev., 12 p. 1943. 1 Ag84M



Puerto Rico Agricultural Experiment Station

- 24 INFORME de la estación experimental de Puerto Rico, 1941. 27 p. Mayagüez, Puerto Rico, 1943. 1 Ex65
- 25 MOORE, R. H. Derris [Derris elliptica] culture in Puerto Rico. Puerto Rico Expt. Sta. Cir. 24, 17 p. Mayagüez, 1943. 1 Ex65

Radio Broadcasts, National Farm and Home Hour (Processed)

- 26 BICKET, JOHN, and others. "A" award to Logan County, Illinois. 5 p. Nov. 25, 1943. 1.9424 A2R11

Lee Lucas, Albert Gehlbach, Mrs. Ellis Volle, Ray Thompson, Alice Last, N. H. Anderson, Capt. G. C. Norton, and M. L. DuMars, participating.

- 27 BURTON, Mrs. H. W., LERCH, D. G., and VAN DEMAN, RUTH. One way to make food fight for freedom. 3 p. Nov. 10, 1943. 1.914 R2R11

Food production and conservation in Philadelphia; the Philadelphia Food Bank and how it operates.

- 28 CROW, W. C., and KADDERLY, W. L. "Get it to market" -- How? 2 p. Nov. 22, 1943. 1.9422 A2R11

On the need for more efficient use of our rail and truck transportation facilities.

- 29 FRASER, W. C., and KADDERLY, W. L. Home meat slaughter. 2 p. Oct. 28, 1943. 1.9422 A2R11

- 30 JOHNSON, P. E., CHURCHILL, L. W., and KADDERLY, W. L. "My farm was in shape." 2 p. Nov. 12, 1943. (Food Fights for Freedom No. 3) 1.914 R2R11

Increased production through conservation practices.

- 31 LAMPHERE, W. H., and KADDERLY, W. L. The dairy feed payment program. 3 p. Oct. 27, 1943. 1.94 Ad4R

- 32 LOWE, C. D., and DuMARS, M. L. Make the feed go 'round. 2 p. Nov. 15, 1943. 1.913 A2R11

- 33 MERRICK, GLENN, and KADDERLY, W. L. We knew our job. 3 p. Nov. 5, 1943. (Food Fights for Freedom No. 2) 1.914 R2R11

Information from the community Triple-A committee enabled a Michigan farmer to produce the crops most needed.

- 34 MORELAND, JOHN, and KADDERLY, W. L. What's ahead for '44. 3 p. Nov. 26, 1943. (Food Fights for Freedom No. 5) 1.914 R2R11

Farm production plans.

- 35 NATIONAL 4-H Club program, No. 170. 7 p. Nov. 6, 1943. 1.914 R2R11

Annual Achievement Day broadcast.

- 36 SALISBURY, MORSE, and others. The State production goals meetings. 5 p. Oct. 30, 1943. 1.914 R2R11

T. B. Walker, E. A. Johnson, and M. L. DuMars, joint authors.

- 37 SIMON, JOE, BROWN, BOB, and KADDERLY, W. L. "Resourcefulness saved the day." 3 p. Nov. 19, 1943. (Food Fights for Freedom No. 4) 1.914 R2R11

Two reports of record food production: One from a farmer in the flooded area in Missouri; and the other from an irrigated area in Colorado.

- 38 TONKIN, JOE, TURRELL, HARRY, and TURRELL, Mrs. HARRY. Chicagoans make food fight for freedom. 3 p. Nov. 24, 1943. 1.9422 A2R11

A city dump turned into a garden; a Victory Garden library where gardening and food conservation problems were discussed.

- 39 VAN DEMAN, RUTH, and KADDERLY, W. L. Be kind to your wool clothes. 2 p. Nov. 17, 1943. 1.982 A2R11

- 40 VAN DEMAN, RUTH, and KADDERLY, W. L. Home curing of meat and slaughter regulations. 3 p. Nov. 17, 1943. 1.982 A2R11

- 41 VAN DEMAN, RUTH, and KADDERLY, W. L. Ironing a shirt in seven minutes. 2 p. Nov. 18, 1943. 1.982 A2R11

- 42 VAN DEMAN, RUTH, and KADDERLY, W. L. Make the most of your Thanksgiving bird. 2 p. Nov. 11, 1943. 1.982 A2R11

Includes cooking directions.

- 43 VAN DEMAN, RUTH, BARBER, MARY, and DuMARS, M. L. They eat it -- and like it. 4 p. Nov. 2, 1943. 1.982 A2R11

Eating habits of the soldiers; food conservation in the Army.

- 44 WIGHT, A. E., and KADDERLY, W. L. The fight against Bang's disease [Brucellosis]. 2 p. Nov. 4, 1943. 1.972 A2R11

Radio Broadcasts.Victory Garden Programs (Processed)

- 45 WICKARD, C. R., and others. The Victory Garden program for 1944. 5 p. Nov. 1, 1943. (Victory Gardens No. 39) 1.965 A2R11

Ernest Moore, M. L. DuMars, and Josephine Hemphill, joint authors.

A preview of the Victory Garden program for 1944 in the final program of the series for 1943.

Technical Bulletins

- 46 MANN, C. W., GORMAN, E. A., JR., and HUKILL, W. V. Stage icing in the refrigeration of oranges in transit from California. U. S. D. A. Tech. Bul. 857, 37 p. 1943. 1 Ag84Te

- 47 SNAPP, O. I., and THOMSON, J. R. Life history and habits of the peachtree borer [Sanninoidea exitiosa] in the Southeastern States. U. S. D. A. Tech. Bul. 854, 24 p. 1943. 1 Ag84Te

U. S. D. A. War Board

- 48 WAR BOARD memorandum. 2 Nos., processed. 1943. 1.90 A5W19

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Information:

82. Enclosed pamphlet entitled "American farmers and the United Nations Conference on Food and Agriculture." (Memo. 453). 1 p.

Machinery rationing:

114, sup. 1. Responsibilities of State USDA War Boards in the 1944 farm machinery rationing program. (Memo. 427). 3 p. [and a 3 p. attachment.]

Unnumbered Publications

- 49 FARM flashes. 26 Nos., 1 p. each, processed 1943. 1.9 In3F

For broadcast use only.

Compressed dehydrated food.

Dairy payment plans.

Each man his own mechanic.

Epic cattle health victory.

Facts on replacement parts.

Fertilizer outlook improved.

Fertilizer to meet crop goals.

Harvest shows farm advance.

Hog killing rules lifted.

How control mesquite.

Milk shall go through.

Milk truck saving.

More women workers in '44.

Need more whole milk.

New need to save trucks.

Order fertilizer early.

Order machinery parts now.

Order soybean seed now.

Records for dairy payments.

Save soybean seeds.

Schools build electric equipment.

Scrap to save iron ore.

Share electric equipment.

Where the meat goes.

Winterize water systems.

Women hired hands.



50 **HOMEMAKERS'** chat. 21 Nos., 3 p. each, processed. 1943. 1.9 In3Hh

For use in non-commercial broadcasts only.

Contents:

Counting our food blessings. Nov. 25.

Growing the food for war. Nov. 5.

Kitchen intruders [insects]. Nov. 15.

Leftovers that don't get "left." Nov. 26.

Legumes for lunch. Nov. 29.

Less work in housework. Dec. 8.

Lick the platter clean; the story of the Clean Plate Club. Dec. 1.

A one-way ticket for food. Nov. 19.

Pinch-hitting for Santa's toymakers. Dec. 3.

Pressing problems. Dec. 10.

Question box: Christmas tree supply? How salt nuts without frying? How make potato hash? Dec. 7.

Question box: Cook vegetables covered or uncovered? Soya grits in spoon bread? How make "no-point" oxtail stew? Nov. 18.

Question box: How make giblet gravy? Salad for Thanksgiving? What pies besides pumpkin for Thanksgiving? Nov. 23.

Question box: How save fuel? Frozen canned goods safe? How take spots off rug? Dec. 9.

Question box: How to bake fruit cake? Why cake won't keep? How liquefy granulated honey? Nov. 30.

Question box: Wartime Thanksgiving dinner? Roast chicken for holiday? Fruit cake "makings" this year? Nov. 16.

Question box: What supplies of citrus fruit? Christmas goodies -- nuts and candy? Why scalloped potatoes curdle? Dec. 2.

Spices. Nov. 17.

Spinach is fashion. Nov. 24.

Tray and plate meals in school lunch rooms. Dec. 6.

Victory gardening in '44. Nov. 22.

#### AGRICULTURAL ECONOMICS, BUREAU OF

51 **AGRICULTURAL** outlook charts, 1944. 10 p., processed. 1943. 1.9 Ec70Ch

Listed by title and negative number.

52 **DUCOFF, L. J., and HAGOOD, M. J.** Changes in composition of agricultural employment, January to July, 1942 and 1943. 4 p., processed. 1943. 1.941 R2C36

"An analysis based on special tabulations made by the Special Surveys Division of the Bureau of the Census."

53 **HAGOOD, M. J.** Rural level of living indexes for counties of the United States, 1940. 43 p., processed. 1943. 1.941 R5R884

54 **HOPS:** revised estimates of acreage, yield, and production, 1915-41. 3 p., processed. 1943. 1.941 H2H77

55 **PIERSON, J. H. G.** Job opportunity or underemployment? 6 p., processed. 1943. 1.941 R3J57

Address at Agricultural Outlook Conference, Oct. 20, on problems of re-employment in the post-war period.

56 **REEVES, F. W.** A program for demobilization. 12 p., processed. 1943. 1.941 A2P94

Address at annual Agricultural Outlook Conference, Oct. 20. The discussion is based upon report of the Conference on Post-War Readjustment of Civilian and Military Personnel which was released by the President on July 30, 1943.

57 **TILLERY, G. L., and DEWEY, R. L.** Perishable rail freight traffic in relation to refrigerator car supply. 20 p., processed. 1943. 1.941 M2P41

58 **TSOU, P. W.** China's interest in a world food program. 1 p., processed. 1943. 1.941 A2C44

Address at annual Agricultural Outlook Conference, Oct. 19.

#### AGRICULTURAL RESEARCH ADMINISTRATION

##### Agricultural and Industrial Chemistry, Bureau of

59 **CLARKE, I. D.** Conserving hides - skinning. U. S. Bur. Agr. and Indus. Chem. AIC-25, 9 p., processed. 1943. 1.932 A2Ag82

##### Animal Industry, Bureau of

60 **MOHLER, J. R.** Report on infectious equine encephalomyelitis in the United States in 1942. 8 p., processed. 1943. 1.9 An5Rep

61 **PREVENTION of animal diseases: cooperation with States.** 4 p. 1943. 1 An50

B. A. I. Order 376, effective Nov. 1, 1943.

##### Dairy Industry, Bureau of

62 **DAHLBERG, A. C., and HODGSON, R. E.** The dairy industry of Nicaragua. 30 p., processed. 1943. 1.973 A2D146

With the assistance of the U. S. Office of Foreign Agricultural Relations.

63 **DAHLBERG, A. C., and HODGSON, R. E.** The dairy industry of Panama. 34 p., processed. 1943. 1.973 A2D145

With the assistance of the U. S. Office of Foreign Agricultural Relations.

64 **HODGSON, R. E., and DAHLBERG, A. C.** The dairy industry of Costa Rica. 44 p., processed. 1943. 1.973 A2D144

With the assistance of the U. S. Office of Foreign Agricultural Relations.

##### Entomology and Plant Quarantine, Bureau of

65 **INDEX** to service and regulatory announcements, 1942. 2 p. 1943. 1 F31S

##### Experiment Stations, Office of

66 **REPORT** on the agricultural experiment stations, 1942. 122 p. 1943. 1 Ex6

##### Human Nutrition and Home Economics, Bureau of

67 **JETER, H. R.** How farm income is being used for family living. 3 p., processed. 1943. 1.982 E2J51

Address at 21st annual Agricultural Outlook Conference, October 18, 1943.

##### Plant Industry, Soils, and Agricultural Engineering, Bureau of

68 **KEARNEY, T. H.** Egyptian-type cottons: their origin and characteristics. 25 p., processed. 1943. 1.965 C3Eg9

69 **MORSE, W. J.** Mung bean (*Phaseolus aureus*). 5 p., processed. 1942? 1.965 F2M92

70 **THE USE** of ammonium nitrate in mixed fertilizers. 13 p., processed. Beltsville, Md., 1943. 1.965 S4Us2

#### FARM CREDIT ADMINISTRATION

71 **DIRECTORY, Farm Credit Administration.** 62 p., processed. Kansas City, Mo., 1942. 166.3 D62

Revisions Nos. 8 and 9, dated June 15 and Sept. 15, respectively.

72 **MATHER, J. W.** Cooperative farm machinery repair services in Indiana. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. W. C. 10, 26 p., processed. 1943. 1.955 C2W19

##### Federal Surplus Commodities Corporation

73 **REPORT of Federal Surplus Commodities Corporation for the fiscal year 1942.** 6 p., processed. 1943. 1 Ag84; also 173.2 Su7

##### FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

74 **FLOOD, F. A.** Conservation and the world's food needs. 11 p., processed. 1943. 1.943 F65

Address before Friends of the Land, at Philadelphia on Nov. 17.



## FOREST SERVICE

- 75 BETTS, H. S. American woods. 7 Nos., processed. 1943. 1.9 F76Am  
Contents:  
Cottonwood [*Populus* spp.], 13 p.  
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- 77 DUNNING, DUNCAN. A site classification for the mixed-conifer selection forests of the Sierra Nevada. U. S. Forest Serv. Forest Res. Note 28, 21 p., processed. Berkeley, Calif., Forest and Range Expt. Sta., 1942. Ref., p.20-21. 1.9 F7626R
- 78 EXPENDITURES for protection of State and private lands against forest fires during calendar year 1942 (exclusive of special Federal funds expended for war emergency protection). 1 p., processed. 1943. (T-69) 1.9 F7681T  
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- 82 WATTS, L. F. The need for the conservation of our forests. 10 p., processed. 1943. 1.962 A2W34  
Address at meeting of Friends of the Land, Nov. 12.
- INFORMATION, OFFICE OF
- 83 ABRIDGED chronology of [the Department] of Agriculture's part in the war. 16 p., processed. Oct. 15, 1943. 1.914 A5C46A
- 84 AGRICULTURE in wartime. 1 No., processed. 1943. 1.914 A5L56  
Information to farm editors, from DeWitt C. Wing. No. 93, Nov. 13.
- 85 FOOD information calendar. 3 Nos., processed. 1943. 1.914 A5F732  
Issues received, Nos.: 31, Nov. 6; 32, Nov. 13 (has headings: Food Information); 33, Nov. 20.
- 86 FOOD information series. 1 No., processed. 1943. 1.914 A5F733  
No. 72. Fertilizer supplies and distribution for 1943-44. 5 p. Nov. 13;
- 87 FORM for reporting showings of Department of Agriculture motion pictures by cooperating depositories. 1 p., processed. n.d. 1.913 M3P94
- 88 PRESS releases. 136 Nos., processed. 1943. 1.9 In31Inf  
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 89 STRUCTURE, functions, and origins of the Department of Agriculture and its constituent agencies. 17 p., processed. Nov. 8, 1943. 1.914 A20r4

## LIBRARY

90 BIBLIOGRAPHY of agriculture; index to... authors. 2 Nos., processed. 1943. 1.916 B471  
 Contents: Index to volume 1, July-December 1942. 81 p.; Index to volume 2, January-May 1943. 91 p.  
 91 REPORT of the Librarian, 1943. 7 p. 1943. 1 Ag84

## RURAL ELECTRIFICATION ADMINISTRATION

92 ADMINISTRATIVE order... Allocation of funds for loans. 4 Nos., processed. 1943. 1.933 Ad6  
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- 83 ABRIDGED chronology of [the Department] of Agriculture's part in the war. 16 p., processed. Oct. 15, 1943. 1.914 A5C46A

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## SECRETARY, OFFICE OF

95 HILL, G. B. Address... at Personnel Officers' meeting, Statler Hotel, St. Louis, Mo., November 30, 1943. 6 p., processed. 1943. 1.91 A2H55

Teamwork in the war effort and the importance of harmony and cooperation within the departments of the Government.

96 WICKARD, C. R. Holding the line on farm land values. 11 p., processed. 1943. 1.91 A2W63; also 1.9 In31Inf

Address, Nov. 18, 1943.

97 WICKARD, C. R. The personnel worker's role in war and post-war agriculture. 12 p., processed. 1943. 1.91 A2W63; also 1.9 In31Inf

Address before a meeting of the Department's personnel officers at St. Louis, Mo., Dec. 2, 1943.

98 WICKARD, C. R. Post-war agricultural policy. 4 p., processed. 1943. 1.91 A2W63

Address at Agricultural Outlook Conference, Oct. 20.

99 WICKARD, C. R. Some current issues facing American farmers. 10 p., processed. 1943. 1.91 A2W63; also 1.9 In31Inf

Remarks before the Annual Meeting of the National Grange, Grand Rapids, Mich., Nov. 17, 1943.

100 WICKARD, C. R. Statement... for presentation to the Senate Special Committee on Post-War Economic Policy and Planning... November 23, 1943. 5 p., processed. 1943. 1.91 A2W63; also 1.9 In31Inf

Personnel, Office of

101 ORGANIZATION chart, U. S. Department of Agriculture. 1 p., processed. Nov. 18, 1943. 1.917 A2Un3

## WAR FOOD ADMINISTRATION

102 CARPENTER, R. S. Federal aid to school lunches. 6 p., processed. 1943. 1.9422 C12F31

Appeared in the Nation's Schools, Sept. 1943.

103 JONES, MARVIN. Address... before the National Grange, Grand Rapids, Michigan... November 12, 1943. 9 p., processed. 1943. 1.9424 A2J72

Production accomplishments of the American farmer; farm problems ahead.

104 JONES, MARVIN. Remarks... before Illinois Agricultural Association, Chicago, Illinois... November 19, 1943. 6 p., processed. 1943. 1.9424 A2J72; also 1.9 In31Inf

Food production in 1943; goals for 1944; how farmers shared critical materials.

105 JONES, MARVIN. Teamwork in the war food program. 3 p., processed. 1943. 1.9424 A2J72

A message to the annual meeting, in New York City, of the Grocery Manufacturers of America, presented by Mark Upson.

106 TOOL kit for the Food Fights for Freedom Program. 1 v., 9 Nos., processed. 1943. 1.9424 A2F73

Contents: Tools for the job; materials for use of citizens' food information committee in the Food Fights for Freedom Program; Food fights for freedom (Also 173.4 W19Ff); Script for slide film (film strip); Training guide; for use in training leaders for home visits in the Food Fights for Freedom campaign; Calendar of community food projects; Your newspapers and "Food Fights for Freedom"; Food Fights for Freedom campaign speech notes; Discussion guides; Radio materials for Food Fights for Freedom; Things to do.

107 YOUR employees are no better than the food they eat! A nutrition program for industry. 12 p., processed. 1943. (WFA-USDA-NFC-7) 1 F733N

Agricultural Adjustment Agency

108 ALABAMA handbook; 1943 agricultural conservation program... effective from December 1, 1942 through August 31, 1943. 17 p. 1943. (SRB-701-Ala.) 1.42 So8B

109 FACTS about the dairy feed payment. 1 p., processed. 1943. 1.42 N76Fd

110 INSTRUCTIONS for holding referendum on Burley tobacco marketing quotas. 7 p. 1943. (Tobacco 807) 1.42 T55To

111 INSTRUCTIONS relating to assignments and use of Form ACP-69 (Pursuant to section 8 (g) of the Soil Conservation and Domestic Allotment Act). 12 p. Sept. 13, 1943. (ACP-70) (rev. June 30, 1943) 1.42 Ad4AcB

Purpose and scope of assignments [payments to finance the making of a crop]; execution of assignment.

112 1942 ANNUAL report; agricultural conservation and related programs. 2 Nos., processed. 1943. 1.42 W52An

Titles vary slightly. Reports received for Montana, (75 p.) and Nevada, (49 p.).

Contain statistical data on the following programs: Agricultural conservation, parity, War Board, commodity loan, crop insurance, sugar beet, marketing quota.

Commodity Credit Corporation

113 CCC LOANS on 1942-crop cotton. 7 Nos., 1 p. each, processed. 1943. 1.957 L782

Issues received: Sept. 3; 9, 17, 23, 29, Oct. 14, 21.

114 DAIRY feed form. 3 Nos., processed. 1943. 1.957 D14

Contents: 1. Amend. 1. Amendment No. 1 to offer of Commodity Credit Corporation to make dairy feed payments (issued Oct. 16, 1943). 1 p.; 2. Application for payment, dairy feed payment program. 2 p.; 3. Sight draft for dairy feed payment. 1 p.

115 OUTLINE of general procedure under 1943 hempseed purchase program of Commodity Credit Corporation. 7 p., processed. 1943. 1.957 Ou8

Extension Service

116 EXCERPT from Magazine War Guide for December 1943-January 1999 (for editors and writers). 5 p., processed. 1943. 1.913 H3Ex22

Conserving our resources - fuels, water, communications and transportation - by Dorothy Ducas, U. S. Office of War Information.

117 EXCERPTS from State home management specialists' letters, June through September, 1943. 3 p., processed. 1943. 1.913 H3Ex2

118 A NATIONAL inventory of neighborhood leaders; tentative and preliminary report. 2 p., processed. 1943. 1.913 St2N21

119 REPORT of cooperative extension work in agriculture and home economics, 1943. 19 p. 1943. 1 Ag84

120 ROKAHR, MARY. Comments on new home-management literature. 2 p., processed. 1943. 1.913 H3C732

121 STATE extension publications received in the library, May 1943. 9 p., processed. 1943. 1.913 A2St24

122 STATEMENT by State extension representatives attending the annual Outlook Conference at Washington, D. C., October 18-23, 1943. 2 p., processed. 1943. 1.913 C3Ou8S

123 STATEMENT of suggested procedure on the Food Fights for Freedom campaign. 2 p., processed. 1943. 1.913 F4F732

Recommendations of the New England Regional Conference as agreed upon by representatives of participating agencies at Boston, Mass., Oct. 22, 1943.

124 SUMMARY of discussions at regional directors' meetings, Memphis, Chicago, New York, Berkeley, July-August, 1943. 7 p., processed. 1943. 1.913 C3Su6

Considered current trends and situations affecting extension work and changes in policies, organization, and relationships which might be needed to make extension work more effective.



125 V. F. V. ON the farm front; Victory Farm Volunteers of the U. S. Crop Corps. 15 p., processed. 1943. 1.913 E2V66

126 WILSON, M. L. The Latin-American fellowship program of the Extension Service. 3 p., processed. 1943. 1.913 A2W69

Talk at meeting of the Land Grant College Association, Chicago, Ill., Oct. 27, 1943.

Food Distribution Administration  
127 ACTIVITIES of the Dairy and Poultry Branch for year ended June 30, 1943. 25 p., processed. 1943. 1.9422 D8Ac8

128 ANNOUNCEMENT FSC of contemplated purchase or sale of commodities, through the Federal Surplus Commodities Corporation. 29 Nos., processed. 1943. 1.9422 A8An7

FSC-1621, sup. 2. Purchase of second head milled rice, screenings milled rice and brewers milled rice. 1 p.

FSC-1639, sup. 1. Salted and pickled fish (Pickled). 1 p.

FSC-1714. Carotene (Pro-Vitamin A). 1 p. [Form SCP-1714 is attached. 4 p.]

FSC-1715. Corn syrup unmixed (glucose). 1 p. [Form SCP-1715 is attached. 1 p.]

FSC-1717. Sale of dry edible beans U. S. No. 3 and substandard grades. 2 p.

FSC-1718. Vegetable seed. 1 p. [Form GPBP-47-Supplement-1 (6 p.) is attached.]

FSC-1720. Miscellaneous commodities. 2 p. [List of items is attached. Includes dried and canned fruits and vegetables, canned juices, sauces, pickles & relishes, syrups and sugar, spices, jams & marmalade, and grocery sundries. 3 p.]

FSC-1721. Edible cornstarch. 1 p. [Enclosure of Form SCP-1721. 3 p.]

FSC-1721. Edible cornstarch. Correction. 1 p.

FSC-1723. Hard wheat baker's flour (enriched). 3 p.

FSC-1724. Hops. 2 p.

FSC-1725. Sale of evaporated milk. 1 p. [2 p. attachment.]

FSC-1726. Sale of evaporated milk. 1 p. [2 p. attachment.]

FSC-1727. Sale of evaporated milk. 1 p. [4 p. attachment.]

FSC-1734. Chocolate bars. 4 p.

FSC-1735. Granulated cane or beet sugar. 3 p.

FSC-1736. Vanilla custard powder. 2 p. [3 p. attachment.]

FSC-1739. Blue streaked or blue mottled laundry soap. 3 p.

FSC-1740. Hard wheat baker's flour (enriched). 3 p.

FSC-1741. Colored oleomargarine (tropical and temperate). 4 p.

FSC-1743. Shortening. 2 p.

FSC-1744. Hard wheat baker's flour (enriched) compressed. 3 p.

FSC-1746. Laying mash. 3 p.

FSC-1747. Vegetable seeds (growing contracts for 1944). [Attachments: Form GPBP-1747, 9 p.; Form GPBP-1747 A, 10 p.]

FSC-1749. Non-activated ergosterol crystals. 1 p.

FSC-1750. Concentrated cereal food (Type I). 3 p.

FSC-1753. Chewing gum. 3 p.

FSC-1754. Granulated cane or beet sugar. 3 p.

FSC-1755. Sale of damaged and/or out of condition commodities. 1 p.

129 CARLOT shipments of fruits and vegetables ...during 1942. 21 Nos., processed. 1943.

1.9 Ec741Car

Reports have been received for the following States: Alabama, 4 p.; Arizona, 6 p.; Colorado, 10 p.; Idaho, 8 p.; Illinois, 8 p.; Iowa, 4 p.; Maine, 4 p.; Massachusetts, 3 p.; Minnesota, 8 p.; Montana, 3 p.; Nevada, 2 p.; New Hampshire, 2 p.; New Mexico, 3 p.; North Carolina, 9 p.; Ohio, 6 p.; Rhode Island, 1 p.; South Carolina, 12 p.; Utah, 6 p.; Vermont, 2 p.; West Virginia, 3 p.; Wisconsin, 8 p.

130 CARLOT unloads of fresh fruits and vegetables at Baltimore, Maryland for 1942...Annual report. 15 p., processed. Baltimore, Md., 1943. 1.9 Ec741Ca

Maryland State Department of Markets cooperating. Information is based on data obtained from railroads, express, and boat companies in Baltimore.

131 CONSUMER time. 1 No., processed. 1943. 1.946 C762

R-168. Food fights for freedom. 11 p.

132 CONSUMER tips. Card. 2 Nos., processed. 1943. 1.946 C76

Contents: Heat saving; how to make your house winterproof; Housework must be less work!

133 DEMOCRACY means all of us. How communities can organize to study and meet community needs with special suggestions for developing nutrition programs in wartime. U. S. Food Distrib. Admin. NTC-6, slightly rev., 30 p. 1943. 1 F733N

134 FOOD distribution order. 71 Nos. 1943. 1 F733F

FDO 4-5. Allocations of 1943 crop Burley tobacco. 2 p.

FDO 6-1, amend. 2. Citrus fruit. [Releasing Calif. and Ariz. orange handlers from set-aside provisions.] 1 p.

FDO 7-1, amend. 2. Raw sugar allotments. 1 p.

FDO 8-2. Frozen dairy foods and mix. 1 p.

FDO 10, amend. 3. Rice; sale and distribution. 1 p.

FDO 12 Termination. Butter. 1 p.

FDO 15-4. Cheddar cheese [to be set-aside]. 1 p.

FDO 18-3, amend. 4. Tea quotas, packing restrictions, reports, and records for packers and wholesalers. 2 p.

FDO 29, amend. 4. Use and distribution of cottonseed, peanut, soybean, and corn oil. 2 p.

FDO 45, amend. 2. Restrictions on deliveries of beans [dried]. 2 p.

FDO 46 Revocation. Coconut, babassu, and palm kernel oils. 1 p.

FDO 47, amend. 1. Honey. 2 p.; 47-2. Delegation of authority with respect to honey. 1 p.

FDO 60, amend. 1. Fish oil; delivery, use, consumption, and processing restricted. 2 p.

FDO 63, amend. 1. Restrictions on delivery of linseed oil. 2 p.

FDO 67, amend. 1. Inedible tallow or grease. 3 p.

FDO 75, amend. 2. Slaughter of livestock and delivery of meat. 1 p.; also amend. 3; 75-1 Partial suspension (2 orders, one dated Oct. 26, the other Nov. 23); 75-2, amend. 4 and 5. 1 p. each.

FDO 79-82 through 79-102. Cover the conservation and distribution of fluid milk and cream in sales areas throughout the country, each order indicating a specific area. Changes in areas are noted in amendment 1 to the following orders: FDO 79-1 to 7, 9-11, 22, 43, 44, 46, 48, 49, 52, 53, 71, 78, 80, 81.

FDO 83, amend. 1. Apples. 1 p.; 83-2, amend. 1. Release and inspection of apples. 1 p.; 83-3. Inspection of apples. 1 p.



- FDO 84-1. Delegation of authority with respect to fruits and vegetables. 1 p.
- FDO 85-1. Termination. Grapefruit grown in Cameron, Hidalgo, or Willacy Counties, Tex. 1 p.
- FDO 88. Apples [restrictions relative to apples]. 2 p.
- 135 FOOD distribution regulation. No. 3. Licensing ship suppliers. 6 p., processed. 1943. 1 F735
- 136 HENDRICKSON, R. F. Military and allied food requirements. 14 p., processed. 1943. 1.9 In31Inf; also 1.944 A2H38  
Address at Food Forum, sponsored by the Dairymen's League Cooperative Association, Nov. 18, 1943.
- 137 HOGS: monthly average price per 100 pounds, ...Based on the mean of daily range of quotations. 3 Nos., processed. n.d.  
Baltimore, 1942. 1 p. 1.9422 L8H67Ba  
Buffalo, 1942. 1 p. 1.9422 L8H67Bu  
Cincinnati, 1942. 1 p. 1.9422 L8H67C1
- 138 HOGS: weekly average price per 100 pounds, ...Based on the mean of daily range of quotations. 3 Nos., processed. n.d.  
Baltimore, 1943 prices (Jan. through July 3). 1 p. 1.9422 L8H67Baw  
Buffalo, 1942. 2 p. 1.9422 L8H67Buw  
Denver, 1942. 2 p. 1.9422 L8H67Dnw
- 139 HOW TO make kitchenette sauerkraut. 1 p., processed. Chicago, 1943. 1.9422 V2H83  
Excerpts from Wisconsin Agricultural College, Extension Service Circular 334, revised March 1943.
- 140 JOHNSON, H. D. Precooling and refrigeration tests on frozen fruits and vegetables from Hillsboro, Oreg. and Kent, Wash. to Jersey City, N. J., July 11 to July 26, 1943 inclusive. 6 p., processed. 1943. 1.9422 Tr2P91
- 141 MILES, J. F. Summary and analysis of the operation of civilian food distribution programs in the Southern region during fiscal year 1942-43. 48 p., processed. Atlanta, Ga., 1943. 1.9422 Pa2Su6  
Includes 27 statistical tables which give the number of persons participating and estimated retail value of food by programs - food stamp, school lunch, school milk - and by family and special groups.
- 142 MENU-PLANNING guide for school lunches based on FDA requirements for type A and type B lunches. 29 p., processed. 1943. (NFC-10) 1 F733N
- 143 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, and other special programs. 46 Nos., processed. 1943. 1.9422 A8In3  
Lists commodities, grade, prices, and vendors.  
Issues received: Dairy and poultry products, 8 Nos., sup. to IPR-308, IPR 350, 351, 355, 359, 362-364; Fish and fish products, 11 Nos., IPR-309, 351, 356-368, 361-366; Fruit, vegetables and products, 8 Nos., IPR-306, 351, 358, 360-364; Grains, cereals, feeds and seeds, 3 Nos., IPR-308, 351, 359; Meat and meat products, 9 Nos., IPR-307-309, 351, 358, 360-362, 364; Miscellaneous foodstuffs, 3 Nos., IPR-308, 358, 362; Rice, 4 Nos., IPR-355, 359, 361, 364.
- 144 RESULTS of food conservation test campaigns. 3 p., processed. 1943. 1.9422 N2R31  
Cities of various sizes representing every section of the country except the Rocky Mountain area, participated in the test.
- 145 SCHEDULE of commodities and sales price quotations; agricultural commodities and products and other articles procured for sale or transfer... for the period December 1 to December 31, 1943. 125 p., processed. 1943. (Bul. 5) 1.9422 A8Sch2
- 146 SOYBEAN inspections from 1942 crop show increase over previous year. 1 p., processed. 1943. 1.9422 V338o9
- 147 STITTS, T. G. Cheddar cheese set-aside program. 11 p., processed. 1943. 1.955 C2St5  
Address, November 10, 1943.
- 148 [SUGAR determination]. 2 Nos. 1943. 1.94 Su3Sd  
S. D. 171. Determination of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of sugarcane in the Virgin Islands during the calendar year 1943. 1 p.; 172. Determination of fair and reasonable wage rates for persons employed in the harvesting of sugarcane in Louisiana during the period September 1, 1943, to June 30, 1944. 2 p.
- 149 TENTATIVE U. S. standards for classes and grades for live poultry. 4 p., processed. 1943. 1.9422 Po32P86
- 150 THACKER, A. B. Summary and analysis of Clean Plate Club Campaign, Charlotte, North Carolina, during July 15-August 15, 1943. 51 p., processed. Atlanta, Ga., 1943. 1.9422 Pa2Su62  
For administrative use. Procedure followed in the campaign to reduce food waste.
- 151 TOBACCO market review, 1942-43 season; class 2 - fire-cured, types 21, 22, 23, and 24. 27 p., processed. 1943. 1.9 Ec714T Class 2  
Includes statistics of sales, value, and price.
- 152 UNITED STATES standards for grades of canned apples (effective November 1, 1943). 4 p., processed. 1943. 1.9422 Fr5Ap5
- 153 UNLOADS of fruits and vegetables, calendar year 1942; annual report. 19 Nos., processed. 1943. 1.9 Ec741Cu  
Titles vary. Reports from Dallas, Fort Worth, and Oklahoma City include data for 1940, 1941, and 1942. Issues received: Atlanta, 25 p.; Boston, 51 p.; Chicago, 57 p.; Cincinnati, 16 p.; Dallas, 8 p.; Denver, 17 p.; Fort Worth, 9 p.; Kansas City, Mo., 12 p.; Los Angeles, 20 p.; Minneapolis, 14 p.; New Orleans, 40 p.; New York, 61 p.; Oakland, Calif., 13 p.; Oklahoma City, 8 p.; Portland, Oreg., 11 p.; St. Louis, 30 p.; St. Paul, 11 p.; San Francisco, 18 p.; Seattle, 8 p.
- Food Production Administration
- 154 FITZGERALD, D. A. The Government's future livestock and feed program. 13 p., processed. 1943. 1.9423 A2F73  
Address, Oct. 27, 1943.
- Soil Conservation Service
- 155 AGRONOMY memorandum. 1 No., processed. Fort Worth, Tex., 1943. 1.9604 Ag82  
No. 55. Fertilizer grades established, 1943-44. 2 p.
- 156 ASSISTANCE and accomplishments in Soil Conservation Districts [Western Gulf Region] six months ending June 30, 1943. 12 p., processed. Sept. 15, 1943. 1.9604 As72
- 157 LAND conditions in Venezuela and their relations to agriculture and human welfare, by Soil Conservation Mission to Venezuela, H. H. Bennett, D. S. Hubbell, W. X. Hull, and J. E. Caudle. 154 p., processed. 1942. 1.96 Ad6L22  
"The various major land types, the principal soils, and the climate are discussed, and their relation to agricultural operations is briefly explained. Special emphasis is devoted to such problems as soil depletion by erosion, the effects of overgrazing and continuous cropping, practical soil and water conservation, irrigation, resettlement, conditions of vegetation, and human circumstances."
- 158 NURSERY memorandum. 1 No., processed. 1943. 1.9604 H93  
No. 3. Seed production -- design for a home-made cleaner.
- 159 OLSON, LOIS, and EDDY, H. L. Ibn-al-Awam, a soil scientist of Moorish Spain. 8 p., processed. 1943. 1.96 Ad61b  
Reprinted from Geog. Rev. Vol. 33, No. 1, Jan. 1943.



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arkansas Agricultural Experiment Station, Fayetteville

160 JACKSON, HILLIARD, and HEDGES, T. R. Marketing Arkansas fresh fruits and vegetables at the Kansas City wholesale market. Ark. Agr. Expt. Sta. Bul. 440, 89 p. 1943. 100 Ar42

California Agricultural Experiment Station, Berkeley

161 CRUESS, W. V., and MACKINNEY, G. The dehydration of vegetables. Calif. Agr. Expt. Sta. Bul. 680, 76 p. 1943. Ref., p. 74-76. 100 C12S

162 AMERINE, M. A., and WINKLER, A. J. Grape varieties for wine production. Calif. Agr. Expt. Sta. Cir. 356, 15 p. 1943. 100 C12S

Delaware Agricultural Experiment Station, Newark

163 BAUSMAN, R. O. An economic survey of the broiler industry in Delaware. Del. Agr. Expt. Sta. Bul. 242, 64 p. 1943. 100 D37S

Georgia Agricultural Experiment Station, Experiment

164 PICKETT, T. A. Some effects of heat treatments of peanuts. Ga. Agr. Expt. Sta. Cir. 142, 8 p. 1943. 100 G29S

Georgia Coastal Plain Experiment Station, Tifton

165 TWENTY-THIRD annual report 1942-1943. Ga. Coastal Plain Agr. Expt. Sta. Bul. 36, 114 p. 1943. 100 G292

Research reported on agronomy, animal husbandry, horticulture, and nematology.

Hawaii Agricultural Experiment Station, Honolulu

166 HENKE, L. A. Roughages for dairy cattle in Hawaii. Hawaii Agr. Expt. Sta. Bul. 92, 29 p. 1943. 100 H313

Illinois Agricultural Experiment Station, Urbana

167 LINDSTROM, D. E. The need for and possibility of rural school reorganization in McDonough County, Illinois. Ill. Agr. Expt. Sta. RSM-11, 16 p. processed. 1943. 100 I16R

Indiana Agricultural Experiment Station, Lafayette

168 BUTZ, E. I. Hog prices in Indiana. Ind. Agr. Expt. Sta. Bul. 487, 23 p. 1943. 100 In2P

169 OBERHOLTZER, J. W. An economic study of semi-commercial egg farms in north central Indiana. Ind. Agr. Expt. Sta. Bul. 486, 40 p. 1943. 100 In2P

170 QUACKENBUSH, G. G., and LLOYD, O. G. Farm tenure in Indiana by type-of-farming areas. Ind. Agr. Expt. Sta. Bul. 488, 30 p. 1943. 100 In2P

171 SHREWSBURY, C. L., and VESTAL, C. M. The mineral deficiencies of soybeans for hogs and rats. Ind. Agr. Expt. Sta. Bul. 489, 19 p. 1943. 100 In2P

172 CUTLER, G. H., and PROBST, A. H. Earlyana, an early soybean for northern Indiana. Ind. Agr. Expt. Sta. Cir. 286, 8 p. 1943. 100 In2P

173 DenUYL, DANIEL. Windbreaks for protecting muck soils and crops. Ind. Agr. Expt. Sta. Cir. 287, 12 p. 1943. 100 In2P

174 KRAYBILL, H. R., and others. Inspection of commercial feeding stuffs. Ind. Agr. Expt. Sta. Cir. 289, 29 p. 1943. 100 In2P

D. M. Doty, P. B. Curtis, A. S. Carter, C. C. Tund, L. J. Swift, A. E. Rihn, R. L. Henry, E. D. Schall, D. R. Bowman, C. M. Cohee, J. W. Jackman, and L. C. Schenberger, joint authors.

175 KRAYBILL, H. R., and others. Inspection of commercial fertilizers. Ind. Agr. Expt. Sta. Cir. 288, 79 p. 1943. 100 In2P

D. M. Doty, O. W. Ford, A. S. Carter, H. L. Mitchell, B. W. Hatcher, C. M. Cohee, J. W. Jackman, L. C. Schenberger, and J. B. Edmondson, joint authors.

176 QUACKENBUSH, F. W., and CURTIS, P. B. The feeding stuffs control law and how to comply with it. Ind. Agr. Expt. Sta. Cir. 75, rev., 8 p. 1943. 100 In2P

177 WILBUR, J. W., and others. Alfalfa-brome grass silage for dairy cows. Ind. Agr. Expt. Sta. Cir. 285, 8 p. 1943. 100 In2P

R. K. Waugh, S. M. Hange, and J. H. Hilton, joint authors.

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

178 BRAY, C. I. Rice and rice byproducts for fattening swine. La. Agr. Expt. Sta. Bul. 368, 50 p. 1943. Ref., p. 49-50. 100 L93

Massachusetts Agricultural Experiment Station, Amherst

179 FRANKLIN, H. J., BERGMAN, H. F., and STEVENS, N. E. Weather in cranberry culture. Mass. Agr. Expt. Sta. Bul. 402, 91 p. 1943. 100 M38H

180 GUNNESS, C. I. Meteorological observations for October 1943. Mass. Agr. Expt. Sta. Met. Bul. 658, 4 p. 1943. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

181 THE QUARTERLY bulletin, v. 26, No. 2, 158 p. Nov. 1943. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

182 COX, R. W., WAITE, W. C., and GARVER, W. B. Income and expenditures of Minnesota agriculture. Minn. Agr. Expt. Sta. Bul. 366, 44 p. 1943. 100 M66

183 HUGHES, J. H. The alfalfa plant bug *Adelphocoris lineolatus* (Goeze) and other Miridae (Hemiptera) in relation to alfalfa-seed production in Minnesota. Minn. Agr. Expt. Sta. Tech. Bul. 161, 80 p. 1943. Ref., p. 79-80. 100 M66

Mississippi Agricultural Experiment Station, State College

184 MOORE, J. S., and COWSERT, W. C. The relation of feed of the dairy cow to production. Miss. Agr. Expt. Sta. Bul. 383, 26 p. 1943. 100 M69

185 WELCH, F. J. The plantation land tenure system in Mississippi. Miss. Agr. Expt. Sta. Bul. 385, 54 p. 1943. 100 M69

186 WEST, H. O. Beef cattle production. Miss. Agr. Expt. Sta. Bul. 377, 126 p. 1943. 100 M66

187 HAMNER, A. L., and LYLE, CLAY. How to line and fumigate corn cribs for weevil control. Miss. Agr. Expt. Sta. Cir. 110, 6 p. 1943. 100 M60



- 188 HIGHLIGHTS of the work of the Mississippi Experiment Station, fifty-fifth annual report for the fiscal year ending June 30, 1942. 47 p. 1943. 100 M69
- Research reported on crops, soils, agricultural economics, agricultural engineering, animal industry, chemistry, dairying, home economics, horticulture, plant pathology, poultry, zoology, and entomology, and the branch experiment stations.
- 189 MISSISSIPPI farm research, v. 6, No. 11. Nov. 1943. 100 M69M1
- Missouri Agricultural Experiment Station, Columbia
- 190 HOGAN, A. G. The feeding of livestock. Mo. Agr. Expt. Sta. Bul. 330, rev., 43 p. 1943. 100 M693
- Nebraska Agricultural Experiment Station, Lincoln
- 191 THALMAN, R. R. The grain sorghums for fattening cattle. Nebr. Agr. Expt. Sta. Bul. 347, 18 p. 1943. 100 N27
- 192 YUNG, F. D. A lamp heated electric brooder. Nebr. Agr. Expt. Sta. Agr. Eng. Prog. Rpt. 9, 11 p., processed. 1942. 100 N27A
- Nevada Agricultural Experiment Station, Reno
- 193 BRENNEN, C. A., and HARRIS, F. B. Fourteen years cattle production and ranch earning power in northeastern Nevada, 1928 to 1941. Nev. Agr. Expt. Sta. Bul. 165, 31 p. 1943. 100 N41S
- 194 HEADLEY, F. B. Relative cost of producing large and small turkeys. Nev. Agr. Expt. Sta. Bul. 167, 15 p. 1943. 100 N41S
- 195 HEADLEY, F. B. Wheat and barley compared as feeds for swine. Nev. Agr. Expt. Sta. Bul. 166, 8 p. 1943. 100 N41S
- 196 HEADLEY, F. B. Mathematical relationship between production of dairy cows and nutrients consumed. 11 p., processed. Nev. Agr. Expt. Sta., 1943. 43 H343
- New Hampshire Agricultural Experiment Station, Durham
- 197 RITZMAN, E. G., and COLOVOS, N. F. Physiological requirements and utilization of protein and energy by growing dairy cattle. N. H. Agr. Expt. Sta. Tech. Bul. 80, 59 p. 1943. 100 N48
- New Jersey Agricultural Experiment Station, New Brunswick
- 198 CATHCART, C. S. Analyses of commercial fertilizers, manures and agricultural lime, 1942. N. J. Agr. Expt. Sta. Insp. Ser. 10, 32 p. 1942. 100 N46S
- New York (Cornell) Agricultural Experiment Station, Ithaca
- 199 DARRAH, L. B. Costs of incubation and rearing on commercial poultry farms, 1940-41. N. Y. (Cornell) Agr. Expt. Sta. Bul. 797, 31 p. 1943. 100 N48C
- 200 SMOCK, R. M. The influence of stored apples on the ripening of other apples stored with them. N. Y. (Cornell) Agr. Expt. Sta. Bul. 799, 36 p. 1943. 100 N48C
- 201 SWEET, R. D. Cultivation studies of certain vegetables grown on peat soils. N. Y. (Cornell) Agr. Expt. Sta. Bul. 795, 44 p. 1943. 100 N48C
- 202 WOOD, M. A. Potatoes in institution food service: cooking qualities, waste in preparation, buyers' preferences and practices. N. Y. (Cornell) Agr. Expt. Sta. Bul. 798, 46 p. 1943. 100 N48C
- New York (State) Agricultural Experiment Station, Geneva
- 203 HENING, J. C., and DAHLBERG, A. C. Effect of pasteurization times and temperatures on certain properties and constituents of cream. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 269, 23 p. 1943. 100 N48
- Ohio Agricultural Experiment Station, Wooster
- 204 PETZEL, F. E. A comparative study of cotton and rayon glass curtain fabrics. Ohio Agr. Expt. Sta. Bul. 645, 30 p. 1943. 100 Oh3S
- 205 BIMONTHLY Bulletin, v. 28, No. 225. Nov./Dec. 1943. 100 Oh3S
- Oklahoma Agricultural Experiment Station, Stillwater
- 206 HARPER, H. J. Consumption of fertilizer materials and grades in Oklahoma. Okla. Agr. Expt. Sta. Bul. B-273, 25 p. 1943. 100 Ok4
- 207 WALL, R. F., and CROSS, F. B. Greenhouse studies of the toxicities of Oklahoma salt contaminated waters. Okla. Agr. Expt. Sta. Tech. Bul. T-20, 39 p. 1943. Ref., p. 37-38. 100 Ok4
- 208 TAYLOR, B. R., and HOBBS, C. S. Supplements for fattening 2-year-old steers on bluestem grass. Okla. Agr. Expt. Sta. Mimeog. Cir. M-102, 5 p. 1943. 100 Ok4
- Oregon Agricultural Experiment Station, Corvallis
- 209 WALDO, G. F., WIEGAND, E. H., and HARTMAN, HENRY. New berries from Oregon's plant breeding research. Oreg. Agr. Expt. Sta. Bul. 416, 12 p. 1943. 100 Or3
- Pennsylvania Agricultural Experiment Station, State College
- 210 CROMER, C. O. Moisture problems in combining grain. Pa. Agr. Expt. Sta. Bul. 445, 14 p. 1943. 100 P381
- 211 GROVES, A. B., MILLER, H. J., and TAYLOR, C. F. Tri-state cherry-spray investigations. Pa. Agr. Expt. Sta. Bul. 447, 26 p. 1943. Ref., p. 25-26. 100 D37S
- Also issued as Va. Agr. Expt. Sta. Bul. 354; and W. Va. Agr. Expt. Sta. Bul. 310.
- 212 SCIENCE for the farmer; fifty-sixth annual report of the Pennsylvania Agricultural Experiment Station for the fiscal year ended June 30, 1943. Pa. Agr. Expt. Sta. Bul. 446, 44 p. 1943. 100 P381
- Research work reported in agricultural engineering, dairy production, dairy manufacturing, farm crops, forestry, livestock feeding, orcharding, pasture and fine turf, poultry husbandry, rural income and welfare, soil fertility, and vegetable growing.
- 213 BARR, W. L. A report of the cost of producing milk in Lackawanna County, Pennsylvania, 1941-42. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1184, 17 p., processed. 1943. 100 P381J
- 214 BARR, W. L. A report of the cost of producing milk in the Philadelphia milk shed, 1941-42. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1188, 34 p., processed. 1943. 100 P381J
- 215 BARR, W. L. A report of the cost of producing milk in the Pittsburgh milk shed, 1941-42. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1186, 36 p., processed. 1943. 100 P381J
- 216 BARR, W. L. A report of the cost of producing milk in Wayne County, Pennsylvania, 1941-42. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1197, 17 p., processed. 1943. 100 P381J
- 217 PIERCE, C. W. Our national price policy versus economics. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1206, 15 p., processed. 1943. 100 P381J



218 PIERCE, C. W. Preliminary report of country milk hauling in Washington County, Pa. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1181, 9 p., processed. 1943. 100 P381J

219 PIERCE, C. W. Some wartime milk price problems. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1198, 19 p., processed. 1943. 100 P381J

220 WHITACRE, W. R. The marketing of fruits and vegetables in the Wilkes-Barre area. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1160, 24 p., processed. 1943. 100 P381J

Rhode Island Agricultural Experiment Station, Kingston

221 TENNANT, J. L., and WHEELER, R. G. Maximum wartime production capacity of Rhode Island agriculture. R. I. Agr. Expt. Sta. Misc. Pub. 17, 24 p., processed. 1943. 100 R34M

222 DESZYCK, E. J., and HAVERN, J. J. Inspection of feeds, made for the State Department of Agriculture and Conservation. 61 p. R. I. Agr. Expt. Sta., 1943. 100 R34S

South Carolina Agricultural Experiment Station, Clemson

223 EDWARDS, A. D., and STEVENSON, J. H. Farmers' response to production goals in four selected areas of South Carolina. S. C. Agr. Expt. Sta. Bul. 347, 22 p. 1943. 100 So8

South Dakota Agricultural Experiment Station, Brookings

224 HUME, A. N. Crop yields as related to depth of plowing. S. Dak. Agr. Expt. Sta. Bul. 369, 16 p. 1943. 100 So82

225 SMYTHE, L. T., and HOGLUND, C. R. Feed-grain price relationships in South Dakota. S. Dak. Agr. Expt. Sta. Bul. 367, 20 p. 1943. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

226 DRAIN, B. D. Red raspberry culture. Tenn. Agr. Expt. Sta. Cir. Inform. 64, 2 p., processed. 1943. 100 T25C

227 MOOERS, C. A. Ammonium nitrate as a fertilizer. Tenn. Agr. Expt. Sta. Cir. Inform. 66, 2 p., processed. 1943. 100 T25C

228 OVERCASH, J. P. Growing garden sage in Tennessee. Tenn. Agr. Expt. Sta. Cir. Inform. 65, 2 p., processed. 1943. 100 T25C

Texas Agricultural Experiment Station, College Station

229 COVER, SYLVIA, TURK, R. D., and KERNS, A. H. Development of methods for safe processing of home canned meats. Tex. Agr. Expt. Sta. Bul. 635, 21 p. 1943. 100 T31S

230 FRAPS, G. S., OGIER, T. L., and ASBURY, S. E. Commercial fertilizers in 1942-43. Tex. Agr. Expt. Sta. Bul. 639, 29 p. 1943. 100 T31S

231 FRAPS, G. S. Productive energy of certain feeds as measured by production of fat and flesh by growing rats. Tex. Agr. Expt. Sta. Bul. 632, 26 p. 1943. 100 T31S

232 MILLER, J. C., JONES, J. M., and BURT, C. R. Feedlot and carcass studies of Angora wethers. Tex. Agr. Expt. Sta. Bul. 631, 14 p. 1943. 100 T31S

233 REINHARD, H. J. Hibernation of the boll weevil, *Anthonomus grandis*. Tex. Agr. Expt. Sta. Bul. 638, 23 p. 1943. 100 T31S

234 SHERWOOD, R. M., and others. Effect of sulphur on chick nutrition. Tex. Agr. Expt. Sta. Bul. 633, 14 p. 1943. 100 T31S  
J. R. Couch, Lee James, and C. W. Carter, joint authors.

Utah Agricultural Experiment Station, Logan

235 FARM & home science, v. 4, No. 4. Dec. 1943. 100 Utlf

Virginia Agricultural Experiment Station, Blacksburg

236 DOMINICK, C. B. Life history of the tobacco flea beetle, *Epitrix hirtipennis* (Melsh.). Va. Agr. Expt. Sta. Bul. 355, 39 p. 1943. 100 V81S

237 GROVES, A. B., MILLER, H. J., and TAYLOR, C. F. Tri-state cherry-spray investigations. Va. Agr. Expt. Sta. Bul. 354, 26 p. 1943. Ref., p. 25-26. 100 V81S

Also issued as Pa. Agr. Expt. Sta. Bul. 447; and W. Va. Agr. Expt. Sta. Bul. 310.

238 OBENSHAIN, S. S., and GISH, P. T. Relation of fertilizer practices to certain important soil types of the Limestone Valley and uplands of Virginia. Va. Agr. Expt. Sta. Bul. 351, 19 p. 1943. 100 V81S

239 UNDERHILL, G. W. Some insect pests of ornamental plants. Va. Agr. Expt. Sta. Bul. 349, 38 p. 1943. 100 V81S

240 WINGARD, S. A. New rust resistant pole beans of superior quality. Va. Agr. Expt. Sta. Bul. 350, 31 p. 1943. Ref., p. 30-31. 100 V81S

241 CAGLE, L. R. Life history of the spider mite *Tetranychus schoenei* McG. Va. Agr. Expt. Sta. Tech. Bul. 87, 16 p. 1943. 100 V81S

242 GLASS, E. H. Host plants of the tobacco flea beetle, *Epitrix parvula* F. Va. Agr. Expt. Sta. Tech. Bul. 85, 22 p. 1943. 100 V81S

243 UNDERWOOD, F. L. An economic study of dairy farming in the Roanoke area in 1939-1940. Va. Agr. Expt. Sta. Tech. Bul. 88, 39 p. 1943. 100 V81S

West Virginia Agricultural Experiment Station, Morgantown

244 GALPIN, S. L. Making mine water safe for livestock on the farm and home front. W. Va. Agr. Expt. Sta. M.W.S. 17, 5 p. folder, processed. 1943. 100 W52Mw

Wisconsin Agricultural Experiment Station, Madison

245 FARGO, J. M., BOHSTEDT, G., and LACEY, J. J. Feeding & management of market hogs. Wis. Agr. Expt. Sta. Bul. 454, rev., 23 p. 1943. 100 W75

Wyoming Agricultural Experiment Station, Laramie

246 NORTH, M. O. The influence of protein concentrates upon the quality of meat in turkeys. Wyo. Agr. Expt. Sta. Bul. 264, 24 p. 1943. Ref., p. 23-24. 100 W99

247 WILLARD, H. S. Feeding dairy stock in war time. Part I. Hay and pastures produce milk. Wyo. Agr. Expt. Sta. Bul. 263, 19 p. 1943. 100 W99



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

248 NEWLON, W. E., and ASMUNDSON, V. S. Brooding and rearing chickens. Calif. Agr. Col. Ext. Cir. 127, 56 p. 1943. 275.29 C12C

249 FLUHARTY, L. W., and BROWN, T. S. Beef cattle management study for Lassen County, 1942. A study of income, costs and earnings on 9 beef cattle enterprises in Lassen County for the record year ending February 28, 1943. 10 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

250 DAKIN, M. E. Soybeans. 7 p., processed. Conn. Agr. Col. Ext., 1943. 275.2 C76So

Recipes for cooking soybeans and soybean products.

251 SCHULER, F. B. Field mouse control in orchards. 7 p., processed. Conn. Agr. Col. Ext., 1943. 275.2 C76Pie

Georgia University, College of Agriculture, Agricultural Extension Service, Athens

252 JAMES, EDWIN, and ALEXANDER, E. D. Georgia weeds and how to control them. Ga. Agr. Col. Ext. Bul. 502, 91 p. 1943. 275.29 G29B

253 MATHEWS, SUSAN. Sweet potatoes every day. Recipes. Ga. Agr. Col. Ext. Cir. 315, 4 p. 1943. 275.29 G29C

Hawaii University, Agricultural Extension Service, Honolulu

254 BICE, C. M. How to use disinfectants on the poultry farm. Hawaii Univ. Agr. Ext. Cir. 164, 4 p., processed. 1943. 275.29 H312Ac

Idaho University, College of Agriculture, Extension Service, Moscow

255 LABOR, feed, production. Idaho Agr. Col. Rural Electr. Ext. Leaflet 40, 2 p. 1943. 275.29 Id131r

Labor-saving methods and equipment for use in the livestock industry.

256 MAKE electrical appliances last. Idaho Agr. Col. Rural Electr. Ext. Leaflet 39, 2 p. 1943. 275.29 Id131r

257 WATER for winter production. Idaho Agr. Col. Rural Electr. Ext. Leaflet 47, 2 p. 1943. 275.29 Id131r

How to use electricity for heating stock water tanks.

Illinois University, College of Agriculture, Extension Service, Urbana

258 BOVINE brucellosis or Bang's disease in your herd. Ill. Agr. Col. Ext. APH136, 4 p., processed. 1943. 275.29 I162Paph

259 WAR EMERGENCY conference on diseases of swine, twenty-fourth annual Illinois Veterinary Conference, Gregory Hall, University of Illinois, October 6, 1943. Ill. Agr. Col. Ext. APH134, 6 p., processed. 1943. 275.29 I162Paph

260 LIVESTOCK and feed outlook for 1944. Ill. Agr. Col. Ext. FF-8, 6 p. 1943. 275.29 I162Pfa

261 MY JOB as a wartime school district leader. Ill. Agr. Col. Ext. FF-7, 6 p. 1943. 275.29 I162Pfa

262 STORING vegetables for winter use. Ill. Agr. Col. Ext. FF-6, 2 p. 1943. 275.29 I162Pfa

263 COMPTON, C. C., and GRAHAM, ROBERT. To all Illinois farm advisors, veterinarians, and Smith-Hughes teachers, Re: Danger of infestation of farm animals with screwworms. Ill. Agr. Col. Ext. NH187, 1 p., processed. 1943. 275.29 I162Pn

Maine University, College of Agriculture, Agricultural Extension Service, Orono

264 REPORT of the Extension Service of the University of Maine, College of Agriculture, for the fiscal year ending June 30, 1943. 44 p., processed. Maine Agr. Col. Ext., 1943. 275.29 M281Rt

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

265 TWENTY-EIGHTH annual report of the University of Maryland, Extension Service, for the year 1942. 36 p. Md. Agr. Col. Ext., 1943. 275.29 M36

266 WALKER, E. A. Apple scab spore development in Maryland. 3 p., processed. Md. Agr. Col. Ext., 1943. 275.2 M36A

Massachusetts State College, Extension Service, Amherst

267 KLEIN, G. T. Rabbit production. Mass. State Col. Ext. Leaflet 225, 8 p. 1943. 275.29 M381L

268 PAGE, E. C. Take care of your clothes. Mass. State Col. Ext. Leaflet 224, 12 p. 1943. 275.29 M381L

269 PAGE, E. C. Use your pattern and reuse it. Mass. State Col. Ext. Leaflet 223, 8 p. 1943. 275.29 M381L

270 PAGE, E. C. Your first dress. Mass. State Col. Ext. Leaflet 222, 8 p. 1943. 275.29 M381L  
Instructions for giving a ready-made look to dresses made at home.

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

271 MINUTES wisely used help to bring victory. Mich. State Col. Agr. Ext. Folder 64, 11 p. 1943. 275.29 M58Ex

Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

272 BURSON, P. M., and CRIM, E. F. Pasture renovation. Minn. Univ. Agr. Ext. Folder 115, rev., 4 p. 1943. 275.29 M66Ex

273 MOORE, M. B. The Minnesota seed grain treater. Minn. Univ. Agr. Ext. Folder 118, 6 p. 1943. 275.29 M66Ex

274 ROST, C. O., and BURSON, P. M. Commercial fertilizers for Minnesota in 1943-44; maximum rates established by the Minnesota Agricultural Experiment Station as required by FPA Order No. 5, revised. Minn. Univ. Agr. Ext. Pam. 118, rev., 8 p. 1943. 275.29 M66Ex



Montana State College, Extension Service, Bozeman

275 MERCER, R. D. Alfalfa seed production. Mont. State Col. Ext. Bul. 218, 15 p. 1943. 275.29 M76C

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

276 DOREMUS, MABEL. Canning fruits and vegetables. Nebr. Agr. Col. Ext. CC 55, rev., 5 p. 1943. 275.29 N272Cc

277 DOREMUS, MABEL. Drying and brining fruits and vegetables. Nebr. Agr. Col. Ext. CC49, rev., 6 p. 1943. 275.29 N272Cc

278 DOREMUS, MABEL. Food preservation by freezing. Nebr. Agr. Col. Ext. CC 60, rev., 7 p. 1943. 275.29 N272Cc

279 HOME storage of vegetables. Nebr. Agr. Col. Ext. CC 57, rev., 6 p. 1943. 275.29 N272Cc

280 SOME suggestions for meeting the protein situation. Nebr. Agr. Col. Ext. CC-64, rev., 8 p., processed. 1943. 275.29 N272Cc  
Methods of supplying the protein requirements for livestock.

281 THE A B C's of egg grading. Nebr. Agr. Col. Ext. Cir. 1484, 5 p., processed. 1943. 275.29 N272Ex

282 CONTROL of crab grass in lawns. Nebr. Agr. Col. Ext. Cir. 159, 2 p., processed. 1943. 275.29 N272Ex

283 CONTROL of dandelion in lawns. Nebr. Agr. Col. Ext. Cir. 158, 2 p., processed. 1943. 275.29 N272Ex

284 DAVIS, H. P., and LAWRIE, M. N. Feeding milk cows. Nebr. Agr. Col. Ext. Cir. 627, 32 p. 1943. 275.29 N272Ex

285 DOREMUS, MABEL. Variety meats. Nebr. Agr. Col. Ext. Cir. 9957, 4 p., processed. 1943. 275.29 N272Ex

286 ERADICATION of bindweed in gardens and lawns. Nebr. Agr. Col. Ext. Cir. 157, 3 p., processed. 1943. 275.29 N272Ex

287 FOOD on the home front. Nebr. Agr. Col. Ext. Cir. 9959, 4 p., processed. 1943. 275.29 N272Ex

Suggestions and menus for food requiring few ration coupons.

288 GAINES, W. W., and COPEHAYER, R. D. Program suggestions for a rural youth meeting, also comments on rural youth survey. Nebr. Agr. Col. Ext. Cir. 544, 8 p., processed. 1943. 275.29 N272Ex

289 GRASS and legume silages. Nebr. Agr. Col. Ext. Cir. 160, 3 p., processed. 1943. 275.29 N272Ex

290 HYBRID poultry. Nebr. Agr. Col. Ext. Cir. 1432, rev., 3 p., processed. 1943. 275.29 N272Ex  
Method of cross-breeding poultry.

291 KEIM, F. D., and WELDON, M. D. Suggestions for lawn improvement. Nebr. Agr. Col. Ext. Cir. 126, 4 p., processed. 1943. 275.29 N272Ex

292 MAKING sirup from sugar beets. Nebr. Agr. Col. Ext. Cir. 9960, 4 p., processed. 1943. 275.29 N272Ex

Information taken from U. S. Dept. of Agriculture, Farmers' Bul. 1241.

293 MAKING the most of our meat supply. Nebr. Agr. Col. Ext. Cir. 9958, 3 p., processed. 1943. 275.29 N272Ex

294 PLAN for 24' x 30' building adapted for use of poultry, as calf shed, lambing pen or farrowing house. Nebr. Agr. Col. Ext. Cir. 1485, 2 p., processed. 1942. 275.29 N272Ex

295 REDDITT, J. R. Nebraska poultry manual. Nebr. Agr. Col. Ext. Cir. 1400, rev., 60 p. 1943. 275.29 N272Ex

296 ROCKE, HELEN. Clothing the family in wartime. Nebr. Agr. Col. Ext. Cir. 467, 12 p., processed. 1943. 275.29 N272Ex

297 ROCKE, HELEN. Reclaim the family wardrobe. Nebr. Agr. Col. Ext. Cir. 469, 8 p., processed. 1943. 275.29 N272Ex

298 RUNNALLS, M. E., and LOPER, R. M. Longer life for home equipment. Nebr. Agr. Col. Ext. Cir. 11-216, 39 p. 1942. 275.29 N272Ex

299 WEBSTER, G. T., and CLAASSEN, C. E. Flaxseed production in Nebraska. Nebr. Agr. Col. Ext. Cir. 155, 5 p., processed. 1943. 275.29 N272Ex

300 YUNG, F. D., and LOPER, R. M. Outdoor electric chick brooder for small flocks. Nebr. Agr. Col. Ext. Cir. 729, 14 p., processed. 1943. 275.29 N272Ex

301 SONG-A-MONTH. Nebr. Agr. Col. Ext. Music Cir. 65, 6 p., processed. 1943. 275.29 N272Mu

Nevada University, College of Agriculture, Agricultural Extension Service, Reno

302 CLINE, L. E. Raising rabbits in Nevada. Nev. Agr. Col. Ext. Bul. 92, 48 p. 1943. 275.29 N41

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

303 HURD, L. M. Rearing chickens. N. Y. Agr. Col. Cornell Ext. Bul. 153, reprinted, 1. e. rev., 48 p. 1943. 275.29 N48E

North Dakota Agricultural College, Extension Service, State College Station, Fargo

304 BREKKE, J. E. Patterns, selection and use. N. Dak. Agr. Col. Ext. Cir. 179, 12 p. 1943. 275.29 N812

305 RUSSEL, J. C. Labor saving devices for the farm. N. Dak. Agr. Col. Ext. Cir. 180, 44 p. 1943. 275.29 N812

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

306 BOYD, J. H. Vegetable gardening for beginners. Ohio Agr. Col. Ext. 4-H Cir. 130, 20 p. 1943. 275.29 Oh322

Pennsylvania State College, Agricultural Extension Service, State College

307 DICKEY, J. B. R. Good stands of clover and alfalfa from less seed. 4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38G

308 DICKEY, J. B. R., and McCALL, R. J. Harvesting clover seed. 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Ha

309 DICKEY, J. B. R. Making silage from grasses and legumes. 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38M

310 DICKEY, J. B. R. Proper care and efficient use of farm manure. 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Pr

311 DICKEY, J. B. R. What is the pasture situation on your farm? 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Wh

312 HUFFINGTON, J. M. Grow your own vegetables. 4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Gr

A planting plan and schedule for five persons.

313 MADISON, L. C. More pork needed. 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Mo  
Methods of increasing swine production.

314 WOLL, C. F., and DICKEY, J. B. R. Wartime fertilization of farm crops in Pennsylvania. 5 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38W

315 PRODUCE one more dozen eggs per hen. 6 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38P  
Care of poultry for increased egg production.



- 316 SERVICE for victory [for 4-H clubs].  
4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P388e  
Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras
- 317 CORREA, ALBERTO. El cultivo de yerbas forrajeras en Puerto Rico. P. R. Agr. Col. Bol. de Ext. 19, 24 p. 1943. 275.29 P96  
Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras
- 318 ARRILLAGA, C. G., and TIRADO, JOAQUIN. Asociación para el mejoramiento de hatos lecheros de Rio Piedras. Resumen anual de los años 1936 a 1941. P. R. Agr. Col. Ext. Cir. de Inform. 40, 12 p., processed. 1943. 275.29 P96C
- 319 DOMINGUEZ, A. B. La crianza de conejos en Puerto Rico. P. R. Agr. Col. Ext. Cir. de Inform. 39, 5 p., processed. 1943. 275.29 P76C
- 320 HERNANDEZ, ELIAS. Utilización de desperdicios de comida en la ceba de cerdos. P. R. Agr. Col. Ext. Cir. de Inform. 41, 6 p., processed. 1943. 275.29 P96C
- 321 PRODUZCA alimentos para la victoria. P. R. Agr. Col. Ext. F-14, rev., 4 p. 1943. 275.29 P96F
- 322 MANUAL para los representantes líderes de barrios y sus ayudantes a cargo de vecindarios. P. R. Agr. Col. Ext. Pub. Misc. 2, 8 p. 1943. 275.29 P96Fu  
Rhode Island State College, Extension Service, Kingston
- 323 BILLINGS, B. E. Spending and saving in wartime. 16 p. R. I. State Col. Ext., 1943. 275.29 R348p  
Utah State Agricultural College, Extension Service, Logan
- 324 BRACKEN, A. F., and EVANS, R. J. Pastures. Utah State Agr. Col. Ext. Cir. N. S. 120, 48 p. 1943. 275.29 Ut1
- 325 COOK, S. S. Facts on fitting [dresses]. Utah State Agr. Col. Ext. Cir. N. S. 122, 7 p. 1943. 275.29 Ut1
- 326 COOK, S. S. Is your pattern right? Utah State Agr. Col. Ext. Cir. N. S. 123, 8 p. 1943. 275.29 Ut1  
Washington State College, Extension Service, Pullman
- 327 CURING home-dressed pork. Wash. State Col. Ext. Mimeog. 207 (H.M.), 4 p., processed. 1943. 275.29 W27Hm
- 328 MILLER, R. N. Bale wire straighteners. Wash. State Col. Ext. Mimeog. 208 (H.M.), 4 p., processed. 1943. 275.29 W27Hm
- 329 MILLER, R. N. Homemade clod masher & packer. Wash. State Col. Ext. Mimeog. 209 (H.M.), 2 p., processed. 1943. 275.29 W27Hm
- 330 POND, ESTHER. Every motion counts when there's work to be done. Part I. Wash. State Col. Ext. Mimeog. 210 (H.M.), 3 p., processed. 1943. 275.29 W27Hm
- 331 POND, ESTHER. Helps for studying motion and time in household tasks. Part II. Wash. State Col. Ext. Mimeog. 211 (H.M.), 5 p., processed. 275.29 W27Hm
- 332 GAGLE, A. J., and MILLER, R. N. Pea vine hay cost and equipment study. Wash. State Col. Ext. Mimeog. Cir. 213, 4 p. 1943. 275.29 W27M1  
How to construct a pea-vine spreader, p. 3-4.  
West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown
- 333 HENDERSON, H. O., and HYATT, GEORGE, JR. Raising dairy calves and heifers. W. Va. Agr. Col. Ext. Cir. 336, 23 p. 1943. 275.29 W522C  
Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison
- 334 BATES, E. B. Care of children at meetings. 8 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 335 LILLY, J. H., NEAL, N. P., and CHAMBERS, E. L. Fight the European corn borer now; a four point program for Wisconsin farmers. 6 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 336 McCORDIC, M. P. Electricity in the home, use it safely, efficiently, economically. 8 p. Wis. Agr. Col. Ext. Spec. Cir., [rev.] 1943. 275.29 W75S
- 337 McCORDIC, M. P. Ironing made easier. 6 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 338 McCORDIC, M. P. Keeping the house clean. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 339 McCORDIC, M. P. Washing made easier. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 340 MELOCHE, GLADYS, and PEARSON, HELEN. Save materials by repair. 6 p. Wis. Agr. Col. Ext. Spec. Cir., rev., 1943. 275.29 W75S
- 341 THE RADIO home study program, program for the year 1943-44. 9 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S  
On the problems of homemakers and their families.
- 342 WERNER, GEORGE, and BOHSTEDT, GUS. What to feed to get the most milk. 5 p., processed. Wis. Agr. Col. Ext. Spec. Cir., rev., 1943. 275.29 W75S



BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

**343 BASCH, ANTONIN.** The Danube Basin and the German economic sphere. With introduction by J. B. Condliffe. 275 p. N. Y., Columbia univ. press, 1943. Ref., p. 261-265. 280.17 B29

Among the topics discussed are: The Problem of Price Adjustment; Export Subsidies; Monetary Adjustments in the Agricultural Countries; Regional Economic Agreements; Germany's Trade Penetration in South-eastern Europe; and The Increase of Trade with Germany.

**344 BERNARD, L. L., and BERNARD, JESSIE.** Origins of American sociology; the social science movement in the United States. 866 p. N. Y., Crowell, 1943. 280 B4530

Contains accounts of cooperative colonies and a brief reference to agrarian problems.

**345 BISHOP, REG.** Soviet millionaires. 14 p. London, Russia today soc., 1943. 284 B542

Shows how the collective farmer became well-to-do.

**346 BOYS' CLUBS OF AMERICA.** Farm labor corps. 13 p., processed. N. Y., 1943. Ref., p. 12-13. 283 B71

**347 CALIFORNIA. BUREAU OF MARKETS.** Report... to the Director of Agriculture concerning current economic conditions affecting the dairy industry of California. 77 p., processed. Sacramento, 1942. 281.3 44C122

**348 CANADA. DEPT. OF AGRICULTURE. AGRICULTURAL SUPPLIES BOARD.** Objectives for Canadian agriculture in 1943. 44 p. Ottawa, 1943. 281.13 C1650

The agricultural production program.

**349 CUBA, LAWS, STATUTES, ETC.** Decreto 2273. Sobre arrendamiento obligatorio de tierra. 13 p. Habana, Min. de agr., 1943. 284.14 C89

Text of law of July 24, 1943, published in the Gaceta Oficial of August 6, 1943, providing for the compulsory use of uncultivated land.

**350 DANIELS, B. K.** The outer edge. 326 p. Caldwell, Idaho, Caxton, 1943. 281.2 D22

Contains descriptions of rural and farm life in the State of Washington.

**351 GILES, BASCOM.** History and disposition of Texas public domain. 14 p. Austin, Tex. gen. land off., 1942. 282.083 T31

**352 HERDMAN, H. E.** Agricultural price policies in wartime; a discussion of Dr. Holbrook Working's paper at an annual meeting of the Western Farm Economics Association at Palo Alto, California. 4 p., processed. n. p., 1943? 284.3 Er2

**353 GUTKIND, E. A.** Creative demobilisation. 2 v. London, K. Paul, Trench, Trubner, 1943. (Internat. Libr. Sociol. and Social Reconstr. Editor: Dr. Karl Mannheim) 280 G98

V. 1, Principles of National Planning, has a section Agriculture Integrated. V. 2 is edited by E. A. Gutkind and contains contributed articles. Among them are the following: The English Countryside and Human Reactions to Scenic Change, by A. W. Ashby, p. 1-20; Wales: Reconstruction, by E. G. Bowen, p. 21-31; Rural Scotland after the War, by A. G. Ogilvie and Arthur Geddes, p. 32-46; A Memorandum Suggesting how a Rural County Could Contribute to the National Plan for Reconstruction, by Geoffrey Clark, p. 47-51; The Development of a National Coastal Park in North Cornwall, by G. C. Page, p. 52-65; Mapping for In-

vestigation of Settlement Possibilities, by G. B. Fawcett and A. E. Smailes, p. 66-70; Economic Utilisation of Land in Planning Processes, by A. W. Ashby, p. 71-84; The Planning of British Agricultural Policy for Post-War Conditions, with Special Reference to Land Administration, by J. R. Ourrie, p. 85-112; Memorandum on Procedure of Research Work in Gloucestershire for Planning and Reconstruction, by G. E. Payne, p. 189-203; The Reconstruction of Towns, by D. E. E. Gibson, p. 208-211; and The Redistribution of Population, by A. E. Smailes, p. 212-215.

**354 HISS, P. H.** Netherlands America, The Dutch territories in the West. 225 p. N. Y., Duell, 1943. Ref., p. 209-215. 125 H62

Historical and economic survey of the Netherlands West Indies. Chapter 11 is Bauxite and Agriculture in Surinam.

**355 HOWALD, OSKAR.** Internationale aufgaben der buchführungsauswertung. 11 p. n.p., 194-? 30.6 H83

Discussion of farm accounting from an international point of view and future needs in collecting such statistics.

**356 HOWARD, D. S.** The WPA and Federal relief policy. 879 p. N. Y., Russell Sage found., 1943. 283 H833

Discusses the eligibility of farmers for relief and the work of the Farm Security Administration.

**357 INTERNATIONAL ECONOMIC COUNCIL.** Export decentralization; a brief description of a system designed to meet wartime problems in export. 43 p. Washington, D. C., 1943. 286 In87

Discusses the Decentralization Agreements negotiated by the United States with the countries of Latin America.

**358 KELEHER, W. A.** Maxwell land grant, a New Mexico item. 168 p. Santa Fe, N. Mex., Rydal press, 1942. Ref., p. 155-156. 138 K27

**359 KIZER, B. H.** The U. S. - Canadian Northwest; a demonstration area for international postwar planning and development. 71 p. Princeton, Princeton univ. press, 1943. 280 K65

Among the major problems are listed transportation, settlement, agriculture, and trade. An appendix deals with the geography, resources, and economy of the North Pacific area.

**360 KUZYNSKI, JÜRGEN.** A short history of labour conditions under industrial capitalism. v. 2. The United States of America 1789 to the present day. 228 p. London, Muller, 1943. 283 K95S

Includes agricultural labor and wages.

**361 LEAGUE OF VIRGINIA MUNICIPALITIES.** The trend of real estate values in Virginia cities and counties. 15 p. Richmond, 1943. 284.5 L474T

Contains a table showing population and trend of real estate assessments by counties.

**362 LEE, G. A.** The place of the dairy industry in our national farm program. 65 p., processed. Chicago? Natl. dairy com., Amer. farm bur. fed., 1942. 281.344 L51

**363 LOUISIANA. LAWS, STATUTES, ETC.** A compilation of general labor laws of Louisiana, with citations, 1943. 493 p. Baton Rouge, La., Dept. of labor, 1943. 283 L932

Includes farm labor.

**364 LYON, HASTINGS.** Dictatorship of the proletariat in the United States, a tract for the times. 135 p. N. Y., Felsberg, 1943. 283 L99

Chapter VIII, Structure of our Economic Society, contains a brief discussion of employment and income of entrepreneurs and employees in agriculture.

**365 MASSINGHAM, H. J.** The English countryside; a study of the English tradition. 148 p. London, Batsford, 1943. 281.2 M386E

A historical and economic study of the basic rural types of English character.



- 366 MASSINGHAM, H. J. Home. 31 p. London, Dent, 1942. (Design for Britain, 2d Ser. [Booklet, 18. E. C. Fairchild, ed.] 296.2 M38  
Stresses importance of agriculture in the national economy and the relation between treatment of the land and the housing provided.
- 367 MEXICO. DEPARTAMENTO AGRARIO. Dos años de acción agraria del Presidente Avila Camacho. 126 p. México, D. F., 1943. 281.14 M573  
Contains a chart of the organization of the Departamento Agrario in 1943.
- 368 OSBORN, F. J., ed. Planning and the countryside. 40 p. London, Faber, 1942. (Rebuilding Britain Ser. 8) 98.5 Os1P
- 369 PANAMA. MINISTERIO DE AGRICULTURA Y COMERCIO. SECCIÓN DE ECONOMÍA AGRÍCOLA. Censo agropecuario, 1942, por provincias y distritos. 57 p. Panamá, Cia. editora nacional, 1943. 254 P195
- 370 ROCHA, GERALDO. O Rio São Francisco; factor precipuo da existencia do Brasil. 256 p. São Paulo, Companhia editora nacional, 1940. (Bibliotheca Pedagogica Brasileira. 5. ser. Brasileira, v. 184) 134 R58
- 371 SOUTHERN RURAL LIFE CONFERENCE. The school and the changing pattern of country life; report. 100 p. n. p., 1943. 281.002 So8  
Main topics are agriculture and industry; health education and service; the rural church; and rural education.
- 372 STRANG, RUTH, and HATCHER, LATHAM. Child development and guidance in rural schools. 218 p. N. Y., Harper, 1943. 275 St83  
Suggested reading, p. 188-197.
- 373 THOMPSON, JOAN. The Soviet countryside; its farms and its people. 18 p. London, Russia today soc., 194-? 281.17 9T37
- 374 THOMSON, P. Y. English country life. 22 p. London, Collins, 1942. 281.2 T38
- 375 TRINIDAD AND TOBAGO. AGRICULTURAL POLICY COMMITTEE. Report. Pt. 1. 142 p. Trinidad and Tobago, Rhodes, 1943. 281.14 T73
- 376 ULSTER FARMERS' UNION. Proposals for a post war agricultural policy. 8 p. Belfast, 1943. 281.171 U17
- 377 UNITED NATIONS INFORMATION OFFICE. Research and postwar planning. Activities of agencies. Rpt. Nos. 1-3, June-Aug., 1943, processed. N. Y., 1943. 225 Un35A
- 378 U. S. BUREAU OF THE CENSUS. Financial statistics of States, 1941. V. 3: Statistical compendium. 82 p., processed. Washington, U. S. Govt. print. off., 1943. 157.41 Sp3Fs  
Includes Federal grants and expenditure for agriculture.
- 379 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Agriculture. Crop-sharing contracts. Prepared by J. H. Graves... (App. section of Special Study - Plantations). 45 p. Washington, U. S. Govt. print. off., 1943. 157.4 C163Cs
- 380 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Census of business, v. 1. Retail trade; 1939. Pt. 1. United States summary and types of operation, credit sales and receivables, monthly employment and other subjects. 882 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C168  
Includes food stores, farm and garden supply stores, and restaurants and other eating places.
- 381 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Census of business: 1939. Alaska, Hawaii and Puerto Rico. 42 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C169  
Including retail and wholesale food establishments and hotels and restaurants of all types.
- 382 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Housing. v. 1. Data for small areas. Selected housing statistics for States, counties, and minor civil divisions; for urban and rural areas; for incorporated places; and for metropolitan districts. Pt. 1: United States summary and Alabama - Nebraska, comprising the first series of housing bulletins for the States. 936 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C169H  
Includes rural-farm dwelling units.
- 383 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Housing. v. 3. Characteristics by monthly rent or value. Pt. 1: United States summary. 165 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C169H  
Includes rural-farm dwelling units occupied by owner or tenant, or vacant.
- Pt. 3: New Jersey - Wyoming. 860 p., processed.
- 384 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. v. 2. Characteristics of the population... Pt. 1: United States summary and Alabama - District of Columbia. Comprising the second series of population bulletins for the States. 977 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162  
Includes farmers and farm laborers.
- Pt. 4: Minnesota - New Mexico. 1020 p., processed.
- Pt. 7: Utah - Wyoming. 752 p., processed.
- 385 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. v. 4. Characteristics by age, marital status, relationship, education, and citizenship. Pt. 3: Maine - North Dakota. Comprising the fourth series of population bulletins for the States. 903 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162  
Includes rural-farm areas.
- 386 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Characteristics of the nonwhite population by race. 112 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Ch  
Includes rural-farm population.
- 387 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Characteristics of the population (with limited data on housing). Alaska. 20 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C169  
Includes farmers and farm managers and farm laborers.
- 388 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Differential fertility 1940 and 1910. Fertility for States and large cities. 281 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162D  
Includes rural-farm areas.
- 389 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Families. Types of families. Regions and cities of 1,000,000 or more. 221 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162  
Includes rural-farm families.
- 390 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. The labor force (sample statistics). Employment and family characteristics of women. 212 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Le  
Includes rural-farm women.
- 391 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. The labor force (sample statistics). Employment and personal characteristics. 177 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Lam  
Includes rural-farm population.



392 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. The labor force (sample statistics). Usual occupation. 63 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Lu

Includes farmers and farm managers and farm laborers.

393 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Nativity and parentage of the white population. Mother tongue by nativity, parentage, country of origin, and age, for States and large cities. 58 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Nm

Includes rural-farm population.

394 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population and housing. Families. General characteristics. States, cities of 100,000 or more, and metropolitan districts of 200,000 or more. 332 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162Fg

Includes rural-farm families.

395 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. Bibliographies of the world at war: No. I-VIII. Processed. Washington, 1942-1943. 241.3 Un312

No. II, Agriculture in a War Economy (Apr. 1941 - Mar. 1942); No. III, Raw Materials (Apr. 1941 - Dec. 1942); No. IV, Industry in Wartime (Apr. 1941 - Dec. 1942); No. V, Labor in Wartime (Apr. 1941 - May 1943). Includes agricultural labor; No. VI, Economics of War (Apr. 1941 - Dec. 1942). Contains references to prices, wages, cost of living, rationing, price control, and lend-lease; No. VIII, Social and Cultural Problems in Wartime (Apr. 1941 - Dec. 1942). Contains references to rural life and planning, and food and community feeding.

396 U. S. NATIONAL RESOURCES PLANNING BOARD. Regional planning. Pt. XII. Arkansas Valley. 109 p. Washington, U. S. Govt. print. off., 1943. 173.2 N214Rp

397 U. S. OFFICE OF PRICE ADMINISTRATION. Supplement to directory of commodities and services. An index to price regulations and jurisdiction of operating units. October 15, 1943. 107 p., processed. Washington, 1943. 173.403 D62 Sup.

398 UTAH. DEPARTMENT OF PUBLICITY AND INDUSTRIAL DEVELOPMENT. After victory plans for Utah and the Wasatch front; report of the cooperative planning program. Various paging. Salt Lake City, 1943. 280.085 Ut12

Pt. II. Agriculture, 79 p.; Pt. III. Water and Power, 15 p. (Includes rural electrification and irrigation); Pt. IV. Transportation and Freight Rates, 34 p.; Pt. V. Recreation and Rehabilitation Areas, 13 p.

399 VITON, ALBERT. American empire in Asia? 308 p. N. Y., Day, 1943. 280.12 V83

Among the problems discussed are that of land in the Near East, the reconstruction of China, and farm tenancy and agriculture in Japan.

400 WALLACE, H. A. The century of the common man; selected from recent public papers and edited by Russell Lord. 96 p. N. Y., Reynal, 1943. 280 W156C

These addresses include discussion of the inter-American banking program and the production programs for Latin America, the rubber question, and trade agreements.

401 WALLACE, H. A. Transportation; address... before a meeting sponsored by the various civic and labor groups, Dallas, Texas... Oct. 20, 1943. Press release. 9 p., processed. Washington, Off. of the Vice Pres., 1943. 149.2 Ad2

Monopoly control and the farmer.

## AGRICULTURAL ENGINEERING

402 CANADA. BUR. OF STATISTICS. CENSUS OF INDUSTRY. FORESTRY BRANCH. The beekeepers' and poultrymen's supply industry, 1942. 1 p., processed. Ottawa, 1943. 253 C332I Beekeepers

Text in English and French. Gives statistics of establishments manufacturing incubators, hives, and other supplies.

403 KOLLER, E. F. Plans for reducing petroleum truck mileage. 5 p., processed. n. p., 1943? 289.4 K83

Discusses possible plans for reducing wasteful transportation methods in farm petroleum delivery.

404 MOSCOW. VSESOIUZNYĖ NAUCHNO-ISSLEDOVATEL'SKIĖ INSTITUT SEL'SKOKHOZIAISTVENNOGO MASHINOSTROENIĖA. Fiziko-mekhanicheskie svoĭstva s.-khrastaniĖ kak osnovaniĖ dlia proektirovaniĖ s.-kh. mashin. 213p. Moskva, 1939. 58 M853F

Physical and mechanical properties of farm plants as a basis of planning for farm machinery.

405 RITE-WAY PRODUCTS COMPANY, INC. America's milk production in wartime. 21 p. Chicago, 1943. 44 R51

R sterilization of milking machines and other dairy utensils.

## AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

406 AMERICAN SOCIETY FOR TESTING MATERIALS. A. S. T. M. standards on textile materials (with related information)... specifications, tolerances, methods of testing, definitions and terms. 457 p. Phila., 1943. 304 Am32Am

407 BAUMGARTNER, J. G. Canned foods; an introduction to their microbiology. 157 p. London, Churchill, 1943. 448.2 B324

408 BEVERIDGE, ELIZABETH. The pocket book of home canning. 138 p. N. Y., Books, inc., 1943. 389.3 B464

409 BLACK, J. D. Food enough. 269 p. Lancaster, Pa., Cattell, 1943. 389 B56

Correlates military, Lend-Lease, relief, and civilian food needs, and discusses the manpower, machines, and materials that are responsible for food production, the foods actually needed and that can be produced, shifts in consumption and production and their relation to distribution, prices, and rationing.

410 BROOKS, SIDNEY. American aid to Germany, 1918-1925; together with the long mile beyond Berlin, by Shelby M. Harrison. 27 p. N. Y., Russell Sage found., 1943. 280.175 B79

Includes the food program and the food-draft system of the American Relief Administration.

411 BOURNE, G. H. Starvation in Europe. 144 p. London, Allen, 1943. 389 B66

A detailed account of the food situation in the occupied countries of Europe, with rationing and black market data.

412 CARTER, DYSON. So that man may prosper; startling facts about the world of tomorrow. 96 p. Winnipeg, Contemp. pubs., 1942. 305 C24

Deals with chemurgy as a solution to the farm problem.

413 CHWALA, AUGUST. Textilhilfsmittel; ihre chemie, kolloidchemie und anwendung. 475 p. Wien, Springer, 1939. Ref., p. 432-455. 304 C47

414 COMBINED RAW MATERIALS BOARD (U. S. AND GREAT BRITAIN). Report on the work of the Combined Raw Materials Board to January 26th, 1943. 12 p. London, H. M. Stationery off., 1943. 280 C736

Issued by the Ministry of Production of Great Britain.



## ANIMAL INDUSTRY

- 415 DAVISON, H. P. The American Red Cross in the Great War, 1917-1919. 28 p. N. Y., Russell Sage found., 1943. 280.17 D29  
Describes food distribution.
- 416 GITHENS, T. S., and WOOD, C. E., JR. The food resources of Africa. 105 p. Phila., Univ. Pa. press, Univ. mus., 1943. (African Handbs. 3) 389 G44
- 417 GOODRICH, THE B. F.; COMPANY, AKRON, OHIO. A wonder book of rubber. 50 p. Akron, 1943. 305 G62
- 418 HENDRICKSON, R. F. Food "crisis." 274 p. N. Y., Doubleday, 1943. 389 H38  
Discusses the food supply for the Army, civilians, and Lend-Lease, the problem of the occupied areas, rationing, prices, price stabilization, and subsidies, production policies and programs of Great Britain and the United States, the food problem in World War I, and possibilities in the post-war period.
- 419 LEE, G. A. The cost of distribution of fluid milk and cream. 50 p., processed. Chicago? Natl. dairy com., Amer. farm bur. fed., 1942. Ref., p. 49-50. 280.344 L51  
Preliminary study.
- 420 LOUISIANA MILK COMMISSION. MILK TESTING DIV. Official tests, February 1943. 17 p., processed. Amite, La., 1943. 44 L93
- 421 PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS. HOME ECONOMICS DEPARTMENT. Home dehydration with a gas oven. 17 p. Chicago, 1943. 389.3 P96
- 422 ROSICKY, ROSE Canning and preserving vegetables, fruit, mushrooms, meat, soup and milk; dehydrating (drying) vegetables. 53,75p. Omaha, Natl. print.co., 1942. 389.3 R732  
English and Bohemian text.
- 423 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. First supplemental National Defense Appropriation Bill for 1944. Hearings... 78th Cong., 1st sess. 1638 p. Washington, U. S. Govt. print. off., 1943. 148.9 Ap65  
Includes appropriations for emergency rubber project, Farm Security Administration, increasing yield of turpentine, etc., from gum trees, agricultural engineering investigations, use of jeeps for agricultural works, forage crops and diseases, and production and utilization of soybeans.
- 424 U. S. CONGRESS. SENATE. SPECIAL COMMITTEE INVESTIGATING THE NATIONAL DEFENSE PROGRAM. Hearings... 78th Cong., 1st sess., pursuant to S. Res. 6 (78th Cong.) (Extending S. Res. 71-77th Cong.) Pt. 20, p. 7993-8514, Apr. 24; May 20, 21; June 8, 9, 10; August 19, 20, 1943. Washington, U. S. Govt. print. off., 1943. 148.7 D77  
Topics include Sunflower Ordnance Plant and industrial sugar rationing.
- 425 U. S. PRESIDENT (F. D. ROOSEVELT). Address before the United States Congress on the food program. Press release. 24 p., processed. Washington, Oct. 31, 1943. 149.1 R67  
Various parts of the address deal with the objectives of the food program, food production 1943 and 1944, demands on the food supply, support prices and equalization payments, farm income, food prices, rationing and distribution, and administration of the food program.
- 426 MOLTERS, C. F., JR., ELLEDGE, H. G., and KERWIN, R. D. Lye peeling. 34 p. Pittsburgh, Diamond alkali co., 1943. 389.3 D54  
Refers mainly to lye peeling of potatoes.
- 427 BRADLEY, O. C. Topographical anatomy of the dog. Rev. by Tom Grahame. Ed. 4, 316 p. Edinburgh, Oliver, 1943. 48 B72
- 428 CRAIG, C. F., and FAUST, E. C. Clinical parasitology. Ed. 5, rev., 767 p. Phila., Lea, 1943. Ref., p. 694-724. 436 C84C
- 429 DANKS, A. G., and FROST, J. N. Williams' [veterinary] surgical operations. 140 p. Ithaca, N. Y., The author, 1943. 41 D233  
Revision of book, Surgical and Obstetrical Operations, by W. L. Williams.
- 430 EWING, W. R. Handbook of poultry nutrition... A text and reference book for students and all persons interested in poultry feeds and feeding. Rev. ed., 1245 p. South Pasadena, Calif., W. R. Ewing, 1943. 47 Ew5  
Ref. at end of most chapters.  
Wartime construction of poultry feed formulas, p. 1163-1210.
- 431 GROVE, A. J., and NEWELL, G. E. Animal biology. 678 p. London, Univ. tutorial press, 1942. 442 G912
- 432 HOERR, N. L., ed. Frontiers in cytochemistry; the physical and chemical organization of the cytoplasm. 334 p. Lancaster, Pa., Cattell, 1943. (Biol. Symposia, v. X) 442 B523  
Contributions to a symposium in honor of Dr. R. R. Bensley on his 75th birthday, Nov. 13, 1942.
- 433 HOUELOT, CAMILO. Razas equinas. 180 p. San Salvador, Impr. Nac., 1942. 42 H812
- 434 HUNTER, J. M., and SCHOLLES, J. C. Profitable duck management. Ed. 7, 63 p. Cayuga, N. Y., Reacon milling co., 1943. 47.1 H91P
- 435 LINCOLNSHIRE RED SHORTHORN ASSOC. Lincolnshire Red Shorthorns. A brief history and description, etc. of the Lincolnshire Red Shorthorn cattle. 24 p. Lincoln, England, 1943. 43 L63
- 436 MILKS, H. J. Practical veterinary pharmacology, materia medica and therapeutics. Ed. 5, 673 p. Chicago, Eger, 1943. 41 M593  
Biological therapeutics, by Adolph Eichhorn, p. 578-633.
- 437 MOFFIT, E. B. The Cocker Spaniel; companion, shooting dog and show dog. Rev. and enl. ed., 274 p. N. Y., Orange Judd, 1943. 48 M72C
- 438 PRATT FOOD CO. Mineral hunger in poultry and livestock. 14 p. Phila., 194-? 389.7 P88
- 439 UDALL, D. H. The practice of veterinary medicine. Ed. 4, rev., 723 p. Ithaca, N. Y., The author, 1943. 41 Ud1P
- 440 WALL, J. F. A horseman's handbook on practical breeding. Ed. 2, rev., 327 p. Washington, Amer. remount assoc., 1942. 42 W152H  
Contains a variety of miscellaneous information, including feeding, anatomy and physiology, diseases and parasites of horses.
- 441 WALTON, ARTHUR. Notes on artificial insemination of sheep, cattle and horses. Ed. 5, 24 p. London, Holborn surg. instrument co., 1942. 40 W17

## ENTOMOLOGY

- 442 ESCUELA NORMAL PARA VARONES. Nociones de higiene. 140 p. Guatemala, Tipografia nacional, 1941. 449 Esl  
Partial contents: Insectos nocivos, p. 35-47; Tifoides, p. 110-112; Tifus exantemático, p. 113-116.
- 443 ROSS, E. S., and ROBERTS, H. R. Mosquito atlas. Part II. Eighteen old world anophelines important to malaria. 44 p. Phila., Amer. ent. soc., 1943. 428 R732  
Consists mainly of plates, with explanatory text.



444 RUSSELL, P. F., ROZEBOOM, L. E., and STONE, ALAN. Keys to the anopheline mosquitoes of the world with notes on their identification, distribution, biology, and relation to malaria. 152 p. Phila., Amer. ent. soc., 1943. 428 R91K

445 SPANGENBERG, J. S. El gusano del duraznero [Grapholitha molesta]. 13 p. Rosario, Pomponio, 1942. 430 Sp2

446 TEXAS GULF SULPHUR AGRICULTURAL DEPT. Sulphur in war-time poultry production. 24 p. Houston, Tex., 1943? 47 T31  
Used as insecticide.

#### FOOD AND HUMAN NUTRITION

447 AMERICAN TELEPHONE AND TELEGRAPH COMPANY. Food makes a difference. 94p. New York, 1943. 389.1 Am37

448 FITCH, N. K., and DAVIS, M. A. Meat saving recipes. 35 p. N. Y., Columbia univ., Teachers col., 1943. 389.25 F55

449 HOFFMANN, ELEANOR. Feeding our armed forces. 86 p. N. Y., Nelson, 1943. 389 H67

450 INDUSTRIAL WELFARE SOCIETY, INC. Practical canteen catering. 64p. London, 1943. 389.253 In2

451 KELLER, RUDOLPH. New aspects of cheap food. 52p. London, Res. books ltd., 1943. 389.1 K282

A survey of scientific and economic aspects of nutrition as they confront England. A table of foods shows the comparative value in nutritive units of potato.

452 LEYEL, C. F., and HARTLEY, OLGA. The gentle art of cookery, with 750 recipes. 461 p. London, Chatto, 1942. 389.25 L59

453 MERCK & CO., INC. Nicotinic acid; annotated bibliography. Supplement. 56 p. Rahway, N.J., Merck, 1942. 241.64 M53N

Includes sections on veterinary use and place in human nutrition.

454 NEW YORK (CITY) NUTRITION COMMITTEE. Course of lessons in food selection and cooking. Rev., 26 p., processed. N. Y., 1943. 389.1 N487

455 NEW YORK HERALD TRIBUNE. HOME INSTITUTE. America's cook book. Ed. 3, (including a wartime supplement), 1032 p. N. Y., Scribner, 1943. Ref., p. 951-952. 389.25 N484

456 PATTERSON, M. P. (S.) Coupon cookery; a guide to good meals under wartime conditions of rationing and food shortages, by Prudence Penny [pseud.], 128 p. Hollywood, Murray, 1943. 389.25 P273

457 PULAY, ERWIN. Nutrition and victory; food problems in war and peace. 118 p. London, Res. books ltd., 1941. 389.1 P96

Shows the part played by nutrition, and particularly vitamin therapy, in improving morale and stimulating constructive thought.

458 RAE, BARBARA. Cooking without meat; a supplementary kitchen guide for war-time cookery. 126 p. N. Y., Mill, 1943. 389.25 R122

459 SHERMAN, H. C., and LANFORD, C. S. An introduction to foods and nutrition. 292 p. N. Y., Macmillan, 1943. 389.1 Sh5I

460 TAYLOR, D. M. Square meals on short rations; how to adapt your family's meals to wartime conditions, based on Government's Official Food Rules. 64 p. N. Y., Home Guide Pubs., 1943. 389.25 T21S

461 THOMPSON, GOODRIN, and OHLSON, M. A. Laboratory handbook for dietetics. 73 p., processed. Minneapolis, Burgess, 1942. 389.1 T374

462 VISITING NURSE ASSOCIATION OF BOSTON. Low cost food for health. 79p. Boston, 1943. 389.25 C733

#### FORESTRY

463 COOK, L. F. The giant sequoias of California. 28 p. Washington, U. S. Natl. park serv., 1942. 99.35 Un34

464 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY A handbook of Empire timbers (War emergency supplement). Ed. by H. A. Cox. 42 p. London, H. M. stationery off., 1943. 99.79 C83A

Includes table showing mechanical and physical properties of 114 woods.

465 HORN, S. F. This fascinating lumber business. 328 p. Indianapolis, Bobbs-Merrill, 1943. 99.76 H78

466 MARYLAND. DEPT. OF STATE FORESTS AND PARKS. Manual for forest fire wardens. 104 p. Baltimore, 1943. 99.51 M362

467 UNION OF SOUTH AFRICA. LAWS, STATUTES, ETC. The Forest and Veld Conservation Act (Act No. 13 of 1941) together with regulations, proclamations and government notices issued thereunder. 55, 42 p. Pretoria, Govt. printer, 1943. 99.59 So8F

468 SOUTHERN PINE WAR COMMITTEE. Southern pine and its production. 14 p. Washington, 1942. 99.76 So86

Statement by H.C. Berckes, Secretary, before Special Senate Committee to Investigate the National-Defense Program.

469 WOOD, A. D., and LINN, T. G. Plywoods, their development, manufacture and application. 373 p. Brooklyn, Chem. pub., 1943. 99.77 W85

#### PLANT SCIENCE

470 AGETE Y PINERO, FERNANDO. La composición del café cubano. 27 p. Habana. Inst. cubano de estabilización del café, 1943. 68.2 H29

471 AGRONOMISTS OF MANITOBA. Manitoba field crops; their culture and hazards. 48 p. Winnipeg, 1942. 64 Ag8

Partial contents: Production of cereal crops, by K. W. Neatby and W. J. Breakay; Forage crops, by D. M. McLean; Three special crops (sugar beets, millets, soybeans); by P. J. Olson; Cultural practices and cropping systems, by R. Whiteman and D. A. Brown; Field crop insects and their control, by A. V. Mitchener; Diseases of field crops in Manitoba, by F. J. Greaney; Plant robbers of the fields (weeds), by H. E. Wood and George Batho; The soils of Manitoba, by George Batho; Satisfying soil hunger (Summary of the recommendations of the Manitoba Fertilizer Board), by T. B. Pickersgill.

472 BAXTER, D. V. Pathology in forest practice. 618 p. N. Y., Wiley, 1943. 464.07 B33P  
Ref. at end of each chapter.

473 BROWN, C. A. C., and GOLDING, E. W. Simplified electrically heated hotbeds. 24 p. London, Brit. elect. and allied indus. res. assoc., 1942. 90.13 B81

474 BUSH, RAYMOND. Soft fruit growing for the amateur; what to plant, how to prune and manure, with a chapter on nuts and another on composting. 173 p. Harmondsworth Middlesex, Eng., Penguin bks., 1942. 93.24 B96

475 CUTHBERT, M. J. How to know the spring flowers; pictured-keys for determining the more common spring-flowering herbaceous plants, with suggestions and aids for their study. 168 p., processed. Mt. Pleasant, Iowa, Jaques, 1943. 455 C97

"This book is an attempt to bring together many of the more familiar spring-flowering herbaceous plants of the United States and southern Canada."

476 DYER, P. Spring wartime gardening guide. What to grow and how to grow it. 50 p. London, Burke, 1943. 91.15 D98



- 477 EMORY, K. P. South sea lore. 75 p. Honolulu, Bernice P. Bishop mus., 1943. 128 Em6  
Booklet designed to acquaint fighting men with ready means of sustaining themselves; includes sections on plant food and cultivated vegetables.
- 478 FOLEY, D. J. Garden flowers in color. 319 p. N. Y., Macmillan, 1943. 96.023 F69
- 479 GERARD, JOHN. Leaves from Gerard's Herball, arranged for garden lovers by Marcus Woodward. 305 p. London, Lane, 1943. 452.2 G31
- 480 GERBING, G. G. Camellias. 264 p. Fernandia, Fla., Gerbing, 1943. 97.31 G31  
Colored plates.
- 481 GORSHENIN, N. M. Agrolesomeliorsia. 392 p. Moskva, Sel'khozgiz, 1941. 56.7 G68  
Improvement of the land by planting of shrubs and trees.
- 482 GRAVES, GEORGE. What do you know about poison ivy? Ed. 3, 20 p. Boston, Mass. hort. soc., 1943. 452.83 G78
- 483 GREEN, D. E. Diseases of vegetables. 208 p. London, Macmillan, 1943. 464.04 G82
- 484 HARRIS, DAVID. Vegetable seeds for the ordinary man; how to grow them in garden and allotment. 52 p. London, Faber, 1943. 91 H24
- 485 IUR'EV, V. I. A. Obshchaya selektsiia i semenovodstvo polevykh kul'tur [General plant breeding and the cultivation of field plants for seed]. 488 p. Moskva, Sel'khozgiz, 1940. 64 Iu6
- 486 MIDDLETON, C. H. In your garden. 79 p. Glasgow, Arnold, 1943? 90.3 M581  
Planning and maintaining a garden.
- 487 MORAL E., CAMILO del. Silvicultura. 217 p. México, D. F., 1941. 99.45 M79
- 488 NAUMOV, N. A. Rzhavchyna khlebynykh zla-kov v SSSR [The rusts of cereals in the USSR. A monographical study]. 401 p. Moskva, Sel'khozgiz, 1939. Ref., p. 343-398. 464.02 N233R  
Assisted by E. E. Geschele and A. A. Shitikova-Roussakova.
- 489 NEW SOUTH WALES. IRRIGATION RESEARCH EXTENSION COMMITTEE. Report on citrus decline on the Murrumbidgee irrigation areas. 13 p. Leeton, 1943. 93.33 N47  
A physiological disease due to various causes, the outstanding one, excessive soil moisture.
- 490 OHIO. STATE UNIVERSITY. STUDENT HORTICULTURAL SOCIETY. Training in horticulture. 48 p. Columbus, 1943? 276 Oh385
- 491 PANFILOV, V. N., IVANOV, I. I., and SOKOLOV, A. B. Analiz sel'skokhoziaistvennykh rastenii [Analysis of agricultural plants]. 274 p. Moskva, Ogiz, Sel'khozgiz, 1941. 395 P19
- 492 PRÉE, HENRY. Your victory garden. 32 p. N. Y., Bedford, 1943. 91.15 P91
- 493 ROBBINS, A. R. 25 vegetables anyone can grow. Rev., 245 p. N. Y., Crowell, 1943. 91.15 R53
- 494 ROQUE, J. M. Flora medicoguatemalteca; apuntes para la materia médica de la República de Guatemala. v. 1, 187 p. Guatemala, Tipografía nacional, 1941. 456.2 R68  
Colored illustrations are by Marceline Vásquez and Prudencio Dávila.  
List of the most important woods, including common and scientific names, p. 90-95.
- 495 SMIRNOV, A. I. Spravochnye tablitsy po biokhimi tabaka [Reference tables on the biochemistry of tobacco]. 202 p. Moskva, Akademika nauk, 1940. 69 Sm43
- 496 SPIVACK, M. J. Encyclopedia of applied plant sociology. Article 1, Charts 1-2. Bayonne, N. J., The Author, 1943. 463.8 Sp4  
Article 1, blueprint; Charts 1-2, photostats.
- 497 STEPHENSON, C. C. S. A manual of tropical citrus culture. 2d Eng. ed., 99 p. Colombo, Harrisons & Crosfield, 1942. Ref., p. 89-90. 99.33 St4
- 498 TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KRAKHMALO-PATOCHNOI PROMYSHLENNOSTI. Sbornik rabot po kul'ture kartofelia i kukuruzy v zonakh krakhmalo-patochnoi promyshlennosti [A collection of works on the culture of potatoes and maize with respect to the starch-molasses industry]. 158 p. Moskva, 1941. 64 T78
- 499 WILSON, H. V. P. A garden in the house, the culture of bulbs, house plants and terrariums. Rev., 127 p. N. Y., Sentinel books, 1943. 96.06 W69
- 500 WOLLEY-DOD, A. H., ed. Flora of Sussex. 571 p. Hastings, Saville, 1937. 458 W83
- 501 WYMAN, DONALD. Crab apples for America. 81 p. n. p., Amer. assoc. bot. gard. and arboretums, 1943. 97.31 W98

## SOILS AND FERTILIZERS

- 502 DÜRR, KARL. Bodenertragstheorie. 96 p. Ostermundigen-Bern, Dürig, 1943. 56.3 D93
- 503 LAWRENCE, W. J. C., and NEWELL, J. Seed and potting composts with special reference to soil sterilization. Ed. 2, rev., 136 p. London, Allen, 1943. 57.4 L43
- 504 LITVINENKO, P. M. Oroshenie semennoi lufeserny. 44 p. Tashkent, Sofuzniki, 1941. 60.3 L73  
Irrigation of seeded lucerne.
- 505 THRESH, J. C. The examination of waters and water supplies. Ed. 5, 849 p. London, Churchill, 1943. 292 T41E

## MISCELLANEOUS

- 506 BUENOS AIRES, ARGENTINA. DIRECCIÓN DE AGRICULTURA, GANADERÍA E INDUSTRIAS. Chacra experimental "Coronel Benito Machado." Antecedentes de su adquisición. 115 p. La Plata, Taller de impresiones oficiales, 1943. 102.5 B863
- 507 CHAMBER OF COMMERCE OF THE UNITED STATES. WAR SERVICE DIVISION. Directory of war agencies. 91 p. Washington, 1943. 225 O354
- 508 JEFFERSON, THOMAS. The complete Jefferson, containing his major writings, published and unpublished, except his letters. Assembled and arranged by S. K. Padover. 1322 p. N. Y., Duell, 1943. 120 J55P  
Contains a number of references to agriculture and agricultural products.
- 509 QUEENSLAND. DEPT. OF AGRICULTURE AND STOCK. The Queensland agricultural and pastoral handbook; farm crops and pastures. v. 1, 448 p. Brisbane, 1941. 36 Q3  
Includes chapters on soils, fertilizers and manures, common farm and pasture weeds, plant-breeding and the production of better seed, and farm bookkeeping.
- 510 SHAPLEY, HARLOW, RAPPORT, SAMUEL, and WRIGHT, HELEN, eds. A treasury of science. 716 p. N. Y., Harper, 1943. 330 Sh2  
Collection of papers, ancient and modern, to give the layman an integrated picture of scientific work and its results.
- 511 STANDARD OIL COMPANY (INDIANA). Dawn to dusk; a handbook for the farmers of the central West. 64 p. n. p., 1943? 30.3 St22
- 512 TANNEHILL, I. R. Weather around the world. 200 p. Princeton, Princeton univ. press, 1943. 340 T15



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

513 ARMBRUSTER, M. E. Common plant names. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 47-48, 80-81. Mar./Apr., July/Aug. 1943. 81 Am342

514 BATES, W. D., and MUNCIE, J. H. A new method for computing sugar beet leaf area. Phytopathology 33: 1071-1075. Nov. 1943. 464.8 P56

515 BOIVIN, BERNARD. Quelques noms vernaculaires de plantes du Québec. II. Nat. Canad. 70: 145-162. July/Aug. 1943. 410 N216

List of scientific names with vernacular equivalents.

BOND, T. E. T. Henry Trimen, F. R. S. (1843-96). Nature [London] 152: 470. Oct. 23, 1943. 472 N21

517 CAREY, C. L., BOLD, H. C., and BARNHART, J. H. Tracy Elliot Hazen [1874-1943]. Torrey Bot. Club Bul. 70: 559-562. Nov. 1943. 451 T63B

List of publications.

518 CONN, H. J. Progress in the standardization of stains. Stain Technol. 18: 153-158. Oct. 1943. 442.8 St1

519 CONN, J. E. Chlorazol Black E as a stain for root-tip chromosomes. Stain Technol. 18: 189-192. Oct. 1943. 442.8 St1

520 COOPER, K. W. A useful accessory to the Zeiss mechanical stage for oil immersion microscopy. Stain Technol. 18: 177-178. Oct. 1943. 442.8 St1

521 CUTAK, LADISLAUS. The life-saving Barrel Cactus - myth or fact? Mo. Bot. Gard. Bul. 31: 153-158. Oct. 1943. 451 M69B

Evidence shows that there is some truth in the life-saving qualities of the large species of Echinocactus and Ferocactus.

522 FINA, A. L. de. Las sierras de Mar del Plata, región apropiada para instalar el Arboretum Nacional Argentino. Vinos, Viñas y Frutas 39(455): 13-15. July 1943. 9 Ag89

523 FISCHER, G. J. Planes experimentales de cultivos realizados en Brasil. Uruguay. Univ. Facult. de Agron. Rev., No. 30, p. 51-96. Nov. 1942. 102.5 M76R

Speech delivered Oct. 30, to the Facultad de Agronomía, on experimental plantings of crops in Brazil and statistical methods used in recording them.

524 FOSTER, M. B. Dr. F. C. Hoehne, orchidist of Brazil. Amer. Orchid Soc. Bul. 12: 210-212. Nov. 3, 1943. 80 Am329

525 GANJU, P. N. On a new species of *Psygmo-phyllum* (P. sahnii sp. nov.) from the lower Gondwana beds of Kashmir. Indian Bot. Soc. Jour. 22: 201-207. July 1943. 450 J821

526 GATES, B. N. Carunculate seed dissemination by ants. Rhodora 45: 438-445. Nov. 1943. 450 R34

527 GUPTA, K. M. A new species of *Williamsonia* (W. sahnii, sp. nov.) from the Rajmahal Hills. Indian Bot. Soc. Jour. 22: 191-200. July 1943. 450 J821

This fossil was collected at the village of Khairtani, south of Mirzachowki.

528 HAMBELIN, S. F. Late native wildflowers. Lexington Leaflets 13: 41-44. Sept. 11, 1943. 80 L59

529 HANLEY, J. H. Douglas fir [*Pseudotsuga taxifolia*]. Arboretum Bul. 6(4): 20-21. June 1943. 451 Ar1

530 \*\*HONECKER, L. Aufgaben der pflanzenzüchtung in der kriegs-, und nachkriegszeit. [Tasks of plant breeding in the war and post-war period.] Prakt. Bl. f. Pflanzenbau u. Pflanzenschutz 19: 142-164. 1941/42.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 299. Oct. 1, 1943. 241 Im73

531 HULL, H. S. Berried shrubs of field and fencerow. Home Gard. (N. Y.) 2(5): 63-65. Nov. 1943. 80 H756

532 \*\*JAKOVLEV, P. N. I. V. Michurin. Sovet Bot. 1941, No. 1-2, p. 5-13.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 312. Oct. 1, 1943. 241 Im73

533 KAUSIK, S. B. The distribution of the Proteaceae: past and present. Indian Bot. Soc. Jour. 22: 105-123. July 1943. Ref., p. 122-123. 450 J821

Distribution of modern members of this family of fossil plants also discussed.

534 McCORMAC, G. A. You should know — trees. Gard. Gossip 18(11): 7-8. Nov. 1943. 80 G1625

Forest and economic trees.

535 MARTON, CLAIRE, and SASS, SAMUEL. A bibliography of electron microscopy. Jour. Appl. Phys. 14: 522-531. Oct. 1943. 334.8 P563

536 MEYER, TEODORO. Notas de un viaje botánico al Departamento de Santa Victoria, (Salta). Rev. Geog. Amer. 20: 121, 132. Sept. 1943. 475 R322

Different classes of vegetation described.

537 NORTON, L. B. Rotenone in the yam bean (*Pachyrrhizus erosus*). Amer. Chem. Soc. Jour. 65: 2259-2260. Nov. 1943. 381 Am33J

"Rotenone does not account fully for either the toxicity of the red color test of the yam bean."

538 PENASCO, F. S. Las semillas seleccionadas. Surco [Madrid] 2(18): 5-6. Aug. 1943. 15 Su7

539 \*PEZOLD, E. von. Eine berichtigung zur kalorimetrie. Planta 33: 465-468. 1943.

Refers to chapter 18, Calorimetrie, by Paul Hirsch in Handbuch der Pflanzenanalyse edited by G. Klein, v.1, p.505-515. 1931. 463.2 K672

540 \*\*PIRES, D. R. V. Em busca de novas raças de plantas [In search of new races of plants]. Rev. Agron. [Lisboa] 30: 153-175. 1942.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 299-300. Oct. 1, 1943. 241 Im73

541 PURI, G. S. The occurrence of *Woodfordia fruticosa* (Linn.) S. Kurz in the Karewa deposits of Kashmir, with remarks on changes of altitude and climate during the Pleistocene. Indian Bot. Soc. Jour. 22: 125-131. July 1943. 450 J821

"The fossil occurrence of this typically tropical species in the Karewa flora [6000 ft. alt.] therefore suggests that the Kashmir valley was probably once occupied by tropical forests."

542 RAETZ, F. W. Some principles of garden photography. Home Gard. (N. Y.) 2(5): 45-46. Nov. 1943. 80 H756

543 RANKIN, H. A. Vines of my "Natural Arboretum." Gray Mem. Bot. Assoc. Bul. 11(1): 12-13. Nov. 1943. 451 G793

List of vines growing on 625 acres in Ohio.

544 RAO, M. R. S. Algal structures from the Cuddupah limestones (Pre-Cambrian), South India. Current Sci. [India] 12: 207-208. July 1943. 475 Sc123

545 RATTRAY, GORDON. Some recent advances in plant microscopy. Glasgow Nat. 14: 53-72. Sept. 1943. 472 G41



- 546 ROCHA LIMA, H. da. Dr. Arthur Meiva. *Biológico* 9: 137-139. June 1943. 442.8 B529
- 547 ROJAS, TEODORO. Jardín botánico del Paraguay. Paraguay. Min. de Agr., Com. e Indus. Rev. 2(8): 59-65; (9): 46-55. Jan., Mar. 1943. 9.7 Ag8R
- 548 SAHNI, BIRBAL. A new species of petrified palm stems, *Palmoxylon sclerodermum* sp. nov., from the Deccan Interrappean series. *Indian Bot. Soc. Jour.* 22: 209-224. July 1943. 450 J821
- 549 SAHNI, BIRBAL. Palaeobotany in India. Progress report for 1942. *Indian Bot. Soc. Jour.* 22: 171-182. July 1943. 450 J821
- 550 SAYLES, R. W., and KNOX, A. S. Fossiliferous tills and intertill beds of Cape Cod, Massachusetts. *Geol. Soc. Amer. Bul.* 54: 1569-1612. Oct. 1943. 403 G29

Fossil pollen found and referred to modern species.

- 551 SITHOLEY, R. V. On *Psygmyphyllum haydeni* Seward. *Indian Bot. Soc. Jour.* 22: 183-190. July 1943. 450 J821
- A number of fossils from Dandlutar, Pir Panjal Range, Kashmir, were found to be specifically identical with *P. haydeni*, of which a detailed description is given.
- 552 STAFFORD, JANE. More penicillin coming. *Sci. News Letter* 44: 362-363. Dec. 4, 1943. 470 Sci24

Distillers, mushroom and molasses firms all join in the increasing production of the germ-killing mold.

- 553 SWINGLE, W. T. Trees and plants we owe to Asia. *Asia and the Americas* 43: 634-637. Nov. 1943. 286.8 Am31

- 554 SYMINGTON, C. F. The future of colonial forest botany. *Empire Forestry Jour.* 22: 11-23. 1943. 99.8 Em72

- 555 THWING, W. E. Ready for spring; underground growth of the early wildflowers is already well advanced. *Home Gard. (N. Y.)* 2(5): 89-91. Nov. 1943. 80 H756

- 556 WATTS, M. T. Fragrance and flavor in leaf, bark, twig, and fruit. *Morton Arboretum Bul. Pop. Inform.* 18: 57-60. Oct. 1943. 99.9 M84

- 557 WILSON, L. R. Elater-bearing spores from the Pennsylvanian strata of Iowa. *Amer. Midland Nat.* 30: 518-523. Sept. 1943. 410 M58
- Elaterites* gen. nov.

- 558 WING, A. S. Johnny Appleseed award aptly presented to Henry Hicks, Missionary. *Nature Mag.* 36: 539-540, 552. Dec. 1943. 409.6 N214

- 559 WINKENWERDER, HUGO. Getting acquainted with Northwest trees. *Arboretum Bul.* 6(4): 1-3, 25. June 1943. 451 Arl

- 560 YARHAM, E. R. Perils of plant hunting are revealed in exploits of Himalayan heroes. *Frontiers* 8: 43-45, 60. Dec. 1943. 410 F92

#### SYSTEMATIC AND GEOGRAPHIC BOTANY

##### General

- 561 ALBERTO, H. T. Apuntes sobre la flora Antioqueña. Colombia. Univ. Nac. Bogotá. Facult. Nac. de Agron. Rev. 5: 42-46. 1943. 9.4 C717

Comments on 40 species collected by the author.

- 562 BARTRAM, JOHN. Travels in Georgia and Florida, 1773-1774. A report to Dr. John Fothergill. *Amer. Phil. Soc. Trans.* 33: 121-242. Nov. 1943. 500 P533T

Annotated by Francis Harper.  
26 plates.

- 563 FERNALD, M. L. Virginian botanizing under restrictions. (To be cont.) *Rhodora* 45: 445-480. Nov. 1943. 450 R34

*Gnaphalium peregrinum*, *Physostegia aboriginorum*, *P. angustifolia* n. spp., and several new varieties.

- 564 LAUGHLIN, E. E. Flora of Barnesville, Belmont County, Ohio, and vicinity. *Gray Mem. Bot. Assoc. Bul.* 11(1): 8-12. Nov. 1943. 451 G793

- 565 MIRANDA, FAUSTINO. Plantas notables del S. O. del estado de Puebla. *Mex. Inst. de Biol. An.* 14: 29-36. 1943. 442.9 M57

- 566 NORONHA, HILDEGARDO de. Recordando Francisco Freire Allemão, eminente botânico patricio. *Rev. da Flora Med.* 10: 297-308. July 1943. 71.8 R32
- Notes of the Franciscan Brother Allemão on *Geissospermum vellosii*, a medicinal plant, and *Dryopetes sessiliflora*.

- 567 PORTER, C. L. An annotated list of the type specimens in the Rocky Mountain herbarium. (To be cont.) *Wyo. Univ. Pubs.* 10: 9-25. July 1943. 500 W99

- 568 RAMIREZ CANTU, DEBORA. Flora acuatica de Izucar de Matamores y lugares circunvecinos. *Mex. Inst. de Biol. An.* 14: 1-13. 1943. 442.9 M57

- 569 STANWELL-FLETCHER, J. F., and STANWELL-FLETCHER, T. C. Some accounts of the flora and fauna of the Driftwood Valley region of north central British Columbia. *Brit. Columbia. Prov. Mus. Occas. Paper*, No. 4, 97 p. Victoria, 1943. 517 B770
- Plants collected, p. 10-36.

- 570 ZOHARY, M. Taxonomical studies in the flora of Palestine and neighboring countries. *Palestine Jour. Bot., Jerusalem Ser.* 2: 151-184. Nov. 1941. 450 P17

##### Spermatophytes

- 571 BEETLE, A. A. The North American variations of *Distichlis spicata*. *Torrey Bot. Club Bul.* 70: 638-650. Nov. 1943. 451 T63B

Four new varieties described.

- 572 BEETLE, A. A. Notes on the distribution of California grasses. *Leaflets West. Bot.* 3: 258-260. Nov. 1943. 450 L47

- 573 BENSON, LYMAN. Revisions of status of southwestern desert trees and shrubs. II. *Amer. Jour. Bot.* 30: 630-632. Oct. 1943. 450 Am36
- New combinations in 8 genera.

- 574 BONDAR, GREGORIO. A piassaveira e outras palmeiras Attaleaceas na Bahia. Bahia, Brazil (City). *Inst. Cent. de Fomento Econ. Bol.* 13, 73 p. 1943. Ref., p. 71-73. 9.2 B143
- Attalea borgesiana* n. sp.

- 575 BOOTHMAN, STUART. *Dionysia bryoides*. *Alpine Gard. Soc. Quart. Bul.* 11: 135. Sept. 1943. 84 Al6

- 576 BROWN, J. R. Notes on *Haworthias* [*Haworthia greeni*]. *Cactus and Succulent Jour.* 15: 143-144. Oct. 1943. 451 C11

- 577 BURNS, G. W. The type of *Saxifraga pensylvanica* [sic] L., ssp. interior, ssp. nov. *Amer. Midland Nat.* 30: 524. Sept. 1943. 410 M58
- Designation of type given, inadvertently omitted in author's article, The taxonomy and cytology of *Saxifraga pensylvanica* [sic] L. and related forms, *Amer. Midland Nat.* 28: 127-160. 1942. 410 M58

- 578 CROIZAT, LEON. Preliminari per uno studio del genere *Manihot* nell' America meridionale. *Rev. Argentina de Agron.* 10: 213-226. Sept. 1943. 9 R327

- 579 CRONQUIST, ARTHUR. The separation of *Erigeron* from *Conyza*. *Torrey Bot. Club Bul.* 70: 629-632. Nov. 1943. 451 T63B

The genera are redefined and several species of *Erigeron* are transferred to *Conyza*.

- 580 CUATRECASAS, JOSE. Algunos chites nuevos Colombianos. *Ciencia* 4: 63-65. Aug. 1943. 475 C48

Five new species of *Hypericum*.

- 581 DAYTON, W. A. Kelsey locust, *Robinia kelseyi* Hort. ex Hutchins. *Amer. Midland Nat.* 504-509. Sept. 1943. Ref., p. 509. 410 M58



- 582 DONCASTER, E. D. *Campanula zoysii* and some variants. *Alpine Gard. Soc. Quart. Bul.* 11: 129-134. Sept. 1943. 84 A16
- 583 EASTWOOD, ALICE. A new California rose [*Rosa lesterae*]. *Leaflets West. Bot.* 3: 262. Nov. 1943. 450 L47
- 584 EASTWOOD, ALICE. Two new species from Baja California. *Leaflets West. Bot.* 3: 257. Nov. 1943. 450 L47
- Hypericum peninsulare* and *Ipomoea odorata*, n. spp.
- 585 EIG, A. Revision of the *Onopordon* species of Palestine, Syria and adjacent countries. *Palestine Jour. Bot., Jerusalem Ser.* 2: 185-199. Nov. 1942. 450 P17
- 586 FEINBRUN, NAOMI. The genus *Ornithogallum* in Palestine and neighboring countries. *Palestine Jour. Bot., Jerusalem Ser.* 2: 132-150. Nov. 1942. 450 P17
- 587 FEINBRUN, NAOMI. On the occurrence of *Drosera rotundifolia* L. in Lebanon. *Palestine Jour. Bot., Jerusalem Ser.* 2: 251-252. Nov. 1942. 450 P17
- 588 FERNALD, M. L. *Vicia tetrasperma*, var. *tenuissima* in America. *Rhodora* 45: 480. Nov. 1943. 450 B34
- Specimens reported from Maine, Vermont, Massachusetts, New York, and Oregon.
- 589 FOSTER, M. B. The bromeliads of Brazil. *Smithson. Inst. Ann. Rpt.* 1941/42: 351-365. 1943. 500 Sm6R
- 590 HANGER, FRANCIS. *Magnolia rostrata*. *Gard. Chron.* 114: 122. Oct. 2, 1943. 80 G162
- 591 HAWKES, A. D. The Orchidaceae of Florida-III. [*Cyrtopodium punctatum*]. *Amer. Orchid Soc. Bul.* 12: 206-207. Nov. 3, 1943. 80 Am329
- 592 HOWELL, J. T. Notes on *Calyptridium*. *Leaflets West. Bot.* 3: 262-266. Nov. 1943. 450 L47
- 593 HOWELL, J. T. *Peplis portula* in California. *Leaflets West. Bot.* 3: 266. Nov. 1943. 450 L47
- 594 HOWELL, J. T. Some weedy Californian bedstraws [*Galium* spp.]. *Leaflets West. Bot.* 3: 260-261. Nov. 1943. 450 L47
- 595 JONES, G. N. The botanical name of the giant Sequoia. *Science* 98: 406-407. Nov. 5, 1943. 470 Sc12
- Sequoiadendron* accepted as genus by some distinguished American botanists.
- 596 KRUKOFF, B. A. Supplementary notes on the American species of *Erythrina*. *Torrey Bot. Club Bul.* 70: 633-637. Nov. 1943. 451 T63B
- Notes on specimens of 50 species of *Erythrina*, mainly from Central and South American herbaria.
- 597 LI, HUI-LIN. The genus *Stachyurus*. *Torrey Bot. Club Bul.* 70: 615-628. Nov. 1943. 451 T63B
- Twelve species are discussed and two new varieties described.
- 598 LITARDIERE, R. de. Sur quelques graminées de Tunisie. *Soc. d'Hist. Nat. de l'Afrique du Nord. Bul.* 33: 227-229. Dec. 1942. 410.9 Sol25
- 599 LUCES, ZORAIDA. Géneros de las Gramíneas Venezolanas. *Venezuela. Min. de Agr. y Cría Bol. Téc.* 4, 149 p. Caracas, 1942. 9.95 Ag82
- 600 MACBRIDE, J. F. Flora of Peru. *Field Mus. Nat. Hist., Chicago, Bot. Ser., v. 13, pt. 3, No. 1*, 507 p. Oct. 1943. 500 C432B
- 601 PARODI, L. R. Gramíneas austroamericanas nuevas o críticas. *La Plata, Argentina. Univ. Nac. Notas. Bot.* 8: 75-100. June 1943. 451 L31
- Erianthecium* n. g., two new species and several new combinations.
- 602 PILAR RODRIGO, AMERICA del. "Hibiscus esculentus" cultivado en la Argentina. *Rev. Argentina de Agron.* 10: 235-238. Sept. 1943. 9 R327
- 603 POLUNIN, NICHOLAS. Contributions to the flora and phytogeography of south-western Greenland: an enumeration of the vascular plants, with critical notes. *Linn. Soc. London, Jour., Bot.* 52: 349-406. Oct. 11, 1943. 451 L64J
- 604 POLUNIN, NICHOLAS. Geographical distribution of *Arenaria humifusa* Wahlenb., new to the flora of Spitsbergen. *Nature [London]* 152: 451-452. Oct. 16, 1943. 472 N21
- 605 PURDY, CARL. The *Lewisia*s. *Amer. Rock Gard. Soc. Bul., incl. Saxiflora* 1: 38-42. Mar./Apr. 1943. 81 Am342
- 606 RATEPA, E. L. "*Solanum chacoense*" Bitter. *Esponaneo en los alrededores de Buenos Aires. Agronomía [Buenos Aires]* 31: 56-60. Oct. 1943. 9 B864
- 607 REGAN, MRS. W. J. *Phlox* of the northern Rocky Mountains. *Alpine Gard. Soc. Quart. Bul.* 11: 136-140. Sept. 1943. 84 A16
- 608 RODRIGUEZ, M. A. B. de. Nota acerca de las gramíneas de la región de Izucar de Matamoros. *Mex. Inst. de Biol. An.* 14: 15-27. 1943. 442.9 M57
- 609 SCHWEINFURTH, CHARLES. Nomenclatorial note on a South American orchid [*Batemannia colleyi*]. *Harvard Univ. Bot. Mus. Leaflets* 11: 171-172. Nov. 10, 1943. 451 H262
- 610 SCHWEINFURTH, CHARLES. *Orchidaceae peruvianae*. V. *Harvard Univ., Bot. Mus. Leaflet* 11: 81-118. Oct. 8, 1943. 451 H262
- Discusses eighteen new species and six new varieties of *Epidendrum*.
- 611 SHERFF, E. E. Some additions to our knowledge of the genus *Schiedea* Cham. & Schlecht. *Amer. Jour. Bot.* 30: 606-608. Oct. 1943. 450 Am36
- Schiedea helleri* n. sp. and several new varieties.
- 612 SOLHEIM, W. G. *Mycoflora saximontanensis exsiccata*. Cent. IV. *Wyo. Univ. Pubs.* 10: 33-46. July 1943. 500 W99
- Ovularia delphinii*, *Ramularia saximontanensis*, *Sep-togloeum hedysari*, n. spp.
- 613 STEVENS, O. A. Asters and daisies in North Dakota. *N. Dak. Agr. Expt. Sta. Bimo. Bul.* 6: 4-7. Sept. 1943. 100 N813B
- 614 STEWART, R. R. Alpine flowers of Kashmir. *Amer. Rock Gard. Soc. Bul., incl. Saxiflora* 1: 20-24. Jan./Feb. 1943. 81 Am342
- 615 SUMMERHAYES, V. S. African orchids. XIII. *Harvard Univ. Bot. Mus. Leaflets* 11: 137-170. Nov. 10, 1943. 451 H262
- 616 TORTORELLI, L. A. Nueva variedad de "*Schinopsis Balansae* (*Schinopsis Balansae*, var. *pendula*). *Rev. Argentina de Agron.* 10: 275-276. Sept. 1943. 9 R327
- 617 WHEELER, L. C. The genera of the living *Euphorbiaceae*. *Amer. Midland Nat.* 30: 456-503. Sept. 1943. Ref. p. 494-501. 410 M58
- 618 WHERRY, E. T. *Saxiflora*: *Coreopsis auriculata*. *Amer. Rock Gard. Soc. Bul., incl. Saxiflora* 1: 43-46. Mar./Apr. 1943. 81 Am342
- 619 WHERRY, E. T. *Saxiflora*: *Dodecatheon amethystinum* (*Primulaceae*). *Amer. Rock Gard. Soc. Bul., incl. Saxiflora* 1: 91-94. Sept./Oct. 1943. 81 Am342
- 620 WOOD, F. C. Some notes on *Gentiana acaulis*. *Alpine Gard. Soc. Quart. Bul.* 11: 174-176. Sept. 1943. 84 A16
- 621 WYMAN, DONALD. Woody plants with yellow or white fruits growing in the Arnold Arboretum. *Arnoldia* 3: 45-48. Oct. 29, 1943. 451 Ar6Ba



Pteridophytes

- 622 ACCORSI, W. R. Observações sobre a defesa do *Doryopteris concolor* (Langsd. e Fisch.) Kunth., em relação ao factor água. Rev. de Agr. [Piracicaba] 18: 172-190. Mar./June 1943. 9.2 R324
- 623 DESHPANDE, J. V. A study of the sporophyte of *Salvinia cucullata* Roxb. Indian Bot. Soc. Jour. 22: 59-84. July 1943. 450 J821
- 624 PARKER, DOROTHY. Comparison of aquatic and terrestrial plants of *Isoetes engelmanni* in the Mountain Lake, Virginia area. Amer. Midland Nat. 30: 452-455. Sept. 1943. 410 M58
- 625 \*TAUBÖCK, KARL. The Al requirement of pteridophytes. Bot. Arch. 43: 291-304. 1942. Abs. in Chem. Abs. 37: 6004. Det. 20, 1943. 361 Am33C

Bryophytes

- 626 HODGSON, E. A. A review of the New Zealand species of the genus *Chiloscyphus*. Being the second of a series of papers on New Zealand Hepaticae. Roy. Soc. New Zeal. Trans. and Proc. 73(1): 27-52. June 1943. 514 W46
- 627 PANDE, S. K. Studies in Indian Hepaticae II. On the epiphyllous liverworts of India and Ceylon. (1). Indian Bot. Soc. Jour. 22: 159-169. July 1943. 450 J821
- Cololejeunea indica* and *Leptolejeunea himalayensis* n. spp.

Algae

- 628 COOMBS, L. D. An interesting diatom [*Sanedra undulata*]. Microscope 5: 154-155. 1943. 440.8 M584
- 629 FELDMANN, JEAN, and FELDMANN, GENEVIÈVE. Additions à la flore des algues marines de l'Algérie Fasc. 3. Soc. d'Hist. Nat. de l'Afrique du Nord, Bul. 33: 230-245. Dec. 1942. 410.9 Sol25
- 630 HOLLENBERG, G. J. New marine algae from Southern California. II. Amer. Jour. Bot. 30: 571-579. Oct. 1943. 450 Am36
- Petroglossum*, *Rhodosiphonia* and *Sorella*, n. g., *Herposiphonia parva* and *Petrocelia haematis*, n. spp.
- 631 MIRANDA, FAUSTINO. Enumeración de las algas marinas del N. y NO. de España. (Cont.) Ciencia 4: 111-116. Oct. 20, 1943. 475 C48
- 632 RAYSS, TSCHARNA. Sur les caulerpes de la côte Palestinienne. Palestine Jour. Bot., Jerusalem Ser. 2: 103-124. Nov. 1942. 450 P17
- Six species of *Caulerpa* are discussed.
- 633 STRAIN, H. H. A unique polyene pigment of the marine diatom *Navicula torquatum*. Amer. Chem. Soc. Jour. 65: 2258. Nov. 1943. 381 Am33J
- 634 TRANSEAU, E. N. Two new *Ulotrichales*. Ohio Jour. Sci. 43: 212-213. Sept. 1943. 410 Oh3
- Chaetonema ornatum*, *Coleochaete sampsonii*, n. spp.
- 635 \*TSCHERMAK, ELISABETH. Das festsetzen der schwärmer und die entwicklungsgeschichte von *Pulvinococcus praecipitans*, einer neuen protococcale. Planta 33: 458-464. 1943.
- 636 WADDINGTON, W. Some species of the Diatomaceae and their distribution. Microscope 5: 147-148. 1943. 440.8 M584

Fungi (Including Lichens)

- 637 EDGERTON, C. W., and CARVAJAL, F. Recent investigations on the red rot of sugarcane. Sugar Bul. 22: 26-29. Nov. 15, 1943. 65.9 Am32
- Red rot fungus was known only in the imperfect stage until 1942. At that time the junior author discovered the perfect stage, which in the present classification of fungi, is a member of the genus *Physalospora*.

638 HENRY, LeR. K. Pore fungi of western Pennsylvania. II. The more common larger members of the genus *Polyporus* and some common members of other genera. Pittsburgh, Carnegie Mus. Bot. Pam. 3, 15 p. Oct. 28, 1942. 451 P68

639 HESLER, L. R. Notes on southern Appalachian fungi. V. Tenn. Acad. Sci. Jour. 18: 290-297. Oct. 1943. 500 T25A

640 JOHANSON, A. E. *Septochytrium plurilobulum* sp. nov. Amer. Jour. Bot. 30: 619. Oct. 1943. 450 Am36

On *Acer pennsylvanicum*.

641 KARLING, J. S. The life history of *Anisopidium ectocarpii* gen. nov. et sp. nov., and a synopsis and classification of other fungi with anteriorly uniflagellate zoospores. Amer. Jour. Bot. 30: 637-648. Oct. 1943. 450 Am36

References, p. 647-648.

Parasitic on *Ectocarpus mitchellae* and *E. siliculosus*; revision in classification involves creation of 2 new families, *Anisopidiaceae* and *Rhizidiomycetaceae*.

642 MEYER, S. L. Ascomycetes from Mountain Lake, Virginia. I. Tenn. Acad. Sci. Jour. 18: 325-333. Oct. 1943. Ref. p. 332-333. 500 T25A

643 MURRILL, W. M. More new fungi from Florida. Lloydia 60: 207-228. Sept. 1943. 442.8 L77

55 new species of *Agaricaceae* described.

644 RAYSS, TSCHARNA. On some lower fungi of Palestine. Palestine Jour. Bot., Jerusalem Ser. 2: 247-249. Nov. 1942. 450 P17

*Urophlyctis astomae* and *U. eryngii*, n. spp.

645 THIRUMALACHAR, M. J. *Masseella narsimhanii*, a new species of rust on *Flueggea leucopyrus* Willd. Indian Acad. Sci. Proc. Sect. B 18: 36-40. Aug. 1943. 513 In25B

646 WAKSMAN, S. A. The nomenclature and classification of the Actinomycetes. Jour. Bact. 46: 337-341. Oct. 1943. 448.3 J82

PLANT PATHOLOGYGeneral

- 647 BABB, M. F., and BOHN, G. W. Control of soil-borne organisms that cause rots of garden peas. Phytopathology 33: 1098-1100. Nov. 1943. 464.8 P56
- 648 BARNETT, H. L. Various diseases observed in California. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 361-362, processed. Sept. 15, 1943. 1.9 P69P
- 649 BARRUS, M. F., and MULLER, A. S. An Andean disease of potato tubers. Phytopathology 33: 1086-1089. Nov. 1943. 464.8 P56
- Causal organism not identified.
- 650 BLODGETT, E. C. Plant disease surveys in Idaho. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 365-367, processed. Sept. 15, 1943. 1.9 P69P
- 651 BODINE, E. W. Plant diseases in Wyoming and Colorado. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 371-373, processed. Sept. 15, 1943. 1.9 P69P
- 652 BOTTOMLEY, A. M. Obtaining advice on plant diseases. Union So. Africa, Dept. Agr. and Forestry, Publicity Ser. 150, 2 p. Pretoria, 1943. 24 So82P
- 653 BOYLE, L. W. Some observations on plant diseases in Oregon and Washington. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 362-365, processed. Sept. 15, 1943. 1.9 P69P
- 654 BRETZ, T. W. Surveys of plant diseases, in Iowa and Missouri. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 377-380, processed. Sept. 15, 1943. 1.9 P69P



- 655 CHATTERJI, N. K. Anatomical studies in a necrotic papaya (*Carica papaya* L.) plant. Indian Bot. Soc. Jour. 22: 41-50. Jan. 1943. 450 J821
- 656 CRANDALL, B. S. Freezing injury to Asiatic chestnut trees in the South in November. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 392-394, processed. Oct. 1, 1943. 1.9 P69P
- 657 CREAGER, D. B. Prevention of disease losses in callas. Canad. Florist 38: 316, 319. Oct. 20, 1943. 80 C163
- 658 DIMOND, A. E., HEUBERGER, J. W., and HORSFALL, J. G. A water soluble protectant fungicide with tenacity. Phytopathology 33: 1095-1097. Nov. 1943. 464.8 P56
- Disodium ethylene bisdithiocarbamate.
- 659 FULLING, E. H. Plant life and the law of man. IV. Barberry, currant and gooseberry, and cedar control. Bot. Rev. 9: 483-592. Oct. 1943. Ref., p. 574-591. 450 B6527
- A history of legislation and litigation in the United States respecting eradication and quarantine of alternate hosts in the control of black stem rust of wheat, white pine blister-rust and apple rust.
- 660 GREANEY, F. J., and WALLACE, H. A. H. New and standard seed treatments in the control of certain seed-borne diseases of wheat, oats and barley. Phytopathology 33: 1064-1070. Nov. 1943. 464.8 P56
- Fungicides used in tests to control Ustilago and Helminthosporium included Ceresan, Leytosan, Spergon, and Thiosan.
- 661 HARRIS, H. A. Summary of plant diseases observed in Montana. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 367-371, processed. Sept. 15, 1943. 1.9 P69P
- 662 HOYMAN, W. G. Summary of plant diseases observed in Arizona and New Mexico. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 353-359, processed. Sept. 15, 1943. 1.9 P69P
- 663 HUBERMAN, M. A. Sunscald of eastern white pine, *Pinus strobus* L. Ecology 24: 456-471. Oct. 1943. 410 Ec7
- 664 KLIGMAN, A. M., and PENNY, J. S. Some miscellaneous diseases of mushrooms. Phytopathology 33: 1090-1094. Nov. 1943. 464.8 P56
- 665 LOCKE, S. B. Diseases of various crops in Nevada and Utah. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 359-361, processed. Sept. 15, 1943. 1.9 P69P
- 666 McCALLAN, S. E. A., and WELLMAN, R. H. Cumulative error terms for comparing fungicides by established laboratory and greenhouse methods. Crop Protect. Digest, No. 68, p. 135-141. July 1943. 464.9 C88
- 667 OGILVIE, L. "Blighty wheat," or the blackening of wheat ears. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 83-88. 84 B77
- Due to low potash status and lack of ventilation.
- 668 PADY, S. M. Plant diseases in Kansas and Nebraska. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 375-377, processed. Sept. 15, 1943. 1.9 P69P
- 669 PETTY, M. A. Soybean disease incidence in Maryland in 1942 and 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 347-349, processed. Sept. 15, 1943. 1.9 P69P
- 670 POMERLEAU, RENÉ. La pathologie forestière. Forêt Québécoise 6: 263. Dec. 1943. 99.8 F79
- First of a series of articles on tree diseases.
- 671 RUNYAN, C. R. Injury to English elms [*Ulmus procera*] as a result of banding. Arborist's News 8: 81-82. Nov. 1943. 99.8 Ar14
- 672 SCHWING, E. A. Soil-borne beet diseases. Spreckels Sugar Beet Bul. 7: 52. Nov. 1943. 66.8 Sp7
- Sugar beet nematode (*Heterodera schachtii*); garden nematode (*Cacconema radiculicola*); southern root rot (*Sclerotium rolfsii*).
- 673 SCOTLAND. DEPARTMENT OF AGRICULTURE. Raspberry diseases in Scotland. Scot. Dept. Agr. Leaflet 77, 4 p. Edinburgh, 1943. 10 Sco82L
- 674 SMITH, C. O., and COCHRAN, L. C. A non-infectious heritable leaf-spot and shot-hole disease of the Beaty plum. Phytopathology 33: 1101-1103. Nov. 1943. 464.8 P56
- Beaty plum is a hybrid, *Prunus angustifolia* varians x *P. munsoniana*. "While the symptom characters of the disease simulate those caused by some viruses, the nontransmissible nature of the trouble precludes its inclusion in the class of known virus diseases."
- 675 SNYDER, W. C., and BAKER, K. F. Diseases of seed cabbage in California. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 394-398, processed. Oct. 1, 1943. 1.9 P69P
- 676 \*\*SOLOV'EVA, M. A. Determination of the frost resistance of fruit trees. Sovet. Bot. 1941, No. 1-2, p. 133-144.
- Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 358. Oct. 1, 1943. 241 Im73
- 677 SWARBRICK, THOMAS. The influence of certain sprays on the pre-harvest drop of apples. Progress Report II. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 29-31. 84 B77
- 678 TERVET, I. W. Plant disease surveys in Minnesota and the Dakotas. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 373-375, processed. Sept. 15, 1943. 1.9 P69P
- 679 THOMPSON, G. E., and MILLER, J. H. Notes on diseases in Georgia Victory Gardens. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 399-402, processed. Oct. 1, 1943. 1.9 P69P
- 680 TOWNSEND, G. R., and HEUBERGER, J. W. Methods of estimating losses caused by diseases in fungicide experiments. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 340-343, processed. Sept. 15, 1943. 1.9 P69P
- 681 WAIN, R. L., and WILKINSON, E. H. Investigations with various copper compounds in relation to damping-off in peas. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 59-64. 84 B77
- 682 WAIN, R. L., and WILKINSON, E. H. A preliminary trial of new copper fungicides on outdoor tomatoes. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 56-58. 84 B77
- 683 WALLACE, THOMAS., and JONES, J. O. The control of manganese deficiency in fruit trees. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 18-23. 84 B77
- Spraying advised for control of chlorosis due to manganese deficiency.
- 684 WATKINS, G. M. Plant disease surveys in Texas. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 349-352, processed. Sept. 15, 1943. 1.9 P69P
- 685 WELLMAN, R. H., and McCALLAN, S. E. A. Correlations within and between laboratory slide-germination, greenhouse tomato foliage disease, and wheat smut methods of testing fungicides. Crop Protect. Digest, No. 68, p. 143-169. July 1943. 464.9 C88
- 686 YOUNG, E. L., III. Studies on *Labyrinthula*, the etiologic agent of the wasting disease of eelgrass [*Zostera marina*]. Amer. Jour. Bot. 30: 586-593. Oct. 1943. 450 Am36



## Diseases Caused by Fungi

- 687 ARRUDA, S. C. Observações sobre algumas doenças do eucalipto no Estado de S. Paulo. *Biológico* 9: 140-144. June 1943. 442.8 B529  
*Cylindrocladium* sp., possible causal organism of disease of Eucalyptus seedlings; other diseases discussed.
- 688 BAKER, R. E. D., and McKEE, R. K. Witches' broom disease investigations. VI. The infection of flower cushions and pods of cacao by *Marasmius perniciosus* Stahel. *Trop. Agr. [Trinidad]* 20: 188-194. Oct. 1943. 26 T754
- 689 BLACKFORD, F. W. Downy mildew and powdery mildew of the cucumber. *Queensland Agr. Jour.* 57: 164-165. Sept. 1943. 23 Q33
- 690 BOYCE, J. S. Host relationships and distribution of conifer rusts in the United States and Canada. *Conn. Acad. Arts and Sci. Trans.* 35: 329-482. Oct. 1943. Ref., p. 408-451. 500 C76T
- 691 BRENTZEL, W. E. Common head disease of wheat. *N. Dak. Agr. Expt. Sta. Bimo. Bul.* 6: 22-24. Sept. 1943. 100 N813B  
 Wheat scab, black chaff, *Helminthosporium*, basal glume rot, *Septoria* blights most common.
- 692 BUCHANAN, T. B., and ENGLETH, G. H. Deterioration of Olympic wind thrown timber. *Timberman* 44(8): 24, 26, 30. June 1943. 99.8 T484  
 Fungi and insects contributing causes to wood decay.
- 693 CLARKE, J. E. Chrysanthemum cultivation. *Fruit Grower, Fruiterer, Florist & Market Gard.* 96: 288, 293. Oct. 14, 1943. 80 F941  
 Includes discussion of fungous diseases and the need for control.
- 694 COSTA NETO, J. P. da. Doenças do tomateiro. *Rev. Agron. [Porto Alegre, Brazil]* 7: 305-306. June 1943. 9.2 R325  
*Septoria lycopersici*, symptoms and control.
- 695 CROKALL, H. E., and OGILVIE, L. Experiments with protectant seed dressings 1940-42. *Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt.* 1942: 65-76. 84 B77  
 Tomato seed germination improved by seed treatment; *Pythium* spp. and *Rhizoctonia solani* caused rotting of pea seeds.
- 696 DAMLE, V. P. A new species of *Cystopus* on *Evolvulus alsenoides* Linn. *Indian Bot. Soc. Jour.* 22: 133-136. July 1943. 450 J821  
*Cystopus evolvuli* n. sp.
- 697 DAVIDSON, R. W., and CAMPBELL, W. A. Decay in merchantable black cherry [*Prunus serotina*, on the Allegheny National Forest. *Phytopathology* 33: 965-985. Nov. 1943. 464.8 P56  
 22 species of decay-producing fungi were isolated; genera occurring most frequently were *Fomes*, *Polyporus*, *Poria*, and *Trametes*.
- 698 DEMAREE, J. B., and WILCOX, M. S. The fungus causing the so-called "Septoria leafspot disease" of raspberry. *Phytopathology* 33: 986-1003. Nov. 1943. 464.8 P56  
*Mycosphaerella rubi*; ascogenous stage is *Sphaerulina rubi*; n.sp. on the raspberry.
- 699 FLOR, H. H. Pasm disease (*Septoria linicola*, of flax. *N. Dak. Agr. Expt. Sta. Bimo. Bul.* 6: 31-33. Sept. 1943. 100 N813B
- 700 FRESA, ROBERTO. "Frosty mildew" [*Cercospora persicae*] del duraznero en el delta del Paraná (Argentina). *Rev. Argentina de Agron.* 10: 231-234. Sept. 1943. 9 R327
- 701 FREZZI, M. J., and MACOLA, TULIO. *Phytophthora palmivora*, causante de la "podredumbre morena" de los frutos cítricos en Córdoba (Argentina). *Rev. Argentina de Agron.* 10: 227-230. Sept. 1943. 9 R327
- 702 GONZALEZ OCHOA, ANTONIO, and OROZCO, CATALINA. Los hongos del aire en la ciudad de México. Sus relaciones con los factores atmosféricos. *Mex. Inst. de Salubridad y Enferm. Tropicales. Rev.* 4: 259-264. Sept. 1943. 449.9 M572  
 English summary.
- 703 HASTINGS, R. C. Late blight [of potatoes] and inspection of carloads. *Iowa State Vegetable Growers' Assoc., Ann. Convention*, 29. In *Iowa State Hort. Soc. Trans.* 77: 303. 1942. 81 I09
- 704 HICKMAN, C. J. Shankling: a new disease of onion and shallot. *Gard. Chron.* 114: 140. Oct. 16, 1943. 80 G162  
*Phytophthora* infection; preliminary work suggests that more than one species is concerned.
- 705 INFANTE R., GABRIEL. Azufradura en las viñas. *Asoc. Rural del Uruguay Rev.* 70(4): 51-52. Apr. 1943. 9.9 As5  
 Directions for use of sulfur against oidium of grape.
- 706 KREITLOW, K. W. *Ustilago striaeformis*. II. Temperature as a factor influencing development of smutted plants of *Poa pratensis* L. and germination of fresh chlamydospores. *Phytopathology* 33: 1055-1063. Nov. 1943. 464.8 P56
- 707 LIVINGSTON, J. E. Charcoal rot - threat to Nebraska corn and sorghums. *Nebr. Crop Impr. Assoc. 33d Ann. Rpt.* 1942. In *Nebr. State Bd. Agr. Ann. Rpt.* 1942: 206-207. 2 N27R
- 708 MACHACEK, J. E. An estimate of loss in Manitoba from common root rot in wheat. *Sci. Agr.* 24: 70-77. Oct. 1943. 7 Sci2  
 Caused chiefly by *Helminthosporium sativum* and *Fusarium culmorum*.
- 709 MARSICO, D. F. Carie del trigo. *Buenos Aires (City) Bolsa de Cereales Rev.* 31(1616): 30, 32. Sept. 18, 1943. 287 B666  
 Treatment for stinking smut of wheat.
- 710 MEDINA, G. Ecos. Da "Calda Bordaleza" ao "Flordo." *Rev. Agron. [Porto Alegre, Brazil]* 7: 334-335. June 1943. 9.2 R325  
 History of Bordeaux mixture and the new fungicide, Flordo.
- 711 NEAL, D. C. *Rhizoctonia* leaf spot of cotton. *U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr.* 27: 435, processed. Oct. 1, 1943. 1.9 P69P  
 "The vegetative stages of this *Rhizoctonia* leaf spot agree closely with Duggar's description of *R. solani*."
- 712 POWELL, DWIGHT. The black rot fungus (on apple). *Ill. State Hort. Soc. Ill. Hort.* 32(4): 5-6. Nov. 1943. 80 I166
- 713 RAYSS, TSCHARNA, and HABELSKA, H. *Rhamnus palestina* Boiss.- A new host of crown rust. *Palestine Jour. Bot., Jerusalem Ser.* 2: 250. Nov. 1942. 450 P17  
 New host for *Puccinia coronata*, but rarely attacked.
- 714 REX, E. G. Dutch elm disease control in New Jersey. *Shade Tree* 16(3): 2-3; (4): 2-3; (5): 2-3; (6): 2-3. Mar.-June 1943. 99.8 Sh1  
*Ceratostomella ulmi*.
- 715 RIEMAN, G. E., and McFARLANE, J. S. Severe potato late-blight infection in Sebago tubers. *Phytopathology* 33: 1104-1106. Nov. 1943. 464.8 P56  
*Phytophthora infestans*.
- 716 RIKER, A. J., and others. White pine selections tested for resistance to blister rust. *Jour. Forestry* 41: 753-760. Oct. 1943. 99.8 F768  
 T. F. Kouba, W. H. Brener, and L. E. Byam, joint authors.



**717 ROSSETTI, VICTORIA.** Podridão preta das orquídeas. *Biológico* 9: 201-205. Aug. 1943. 442.8 B529

Caused by an unidentified Phycomycete.

**718 ROY, T. C.** A root-rot disease of mulberry plants (*Morus alba* L.). *Indian Bot. Soc. Jour.* 22: 27-35. Jan. 1943. 450 J821

Caused by *Diplodia morina*.

**719 SMITH, O. F.** Rhizoctonia root canker of alfalfa (*Medicago sativa*). *Phytopathology* 33: 1081-1085. Nov. 1943. 464.8 P56

Caused by *Rhizoctonia solani*.

**720 STANTON, T. R., and DOWNS, E. E.** Downy mildew [*Sclerospora macrospora*] of oats in Michigan. *U. S. Bur. Indus., Soils and Agr. Engin., Plant Dis. Rptr.* 27: 434, processed. Oct. 1, 1943. 1.9 P69P

**721 TALMAGE, H. R.** Late blight [of potatoes] in storage and transit. *Iowa State Vegetable Growers' Assoc., Ann. Convention*, 29. In *Iowa State Hort. Soc. Trans.* 77: 300-303. 1942. 81 Io9

**722 TEHON, L. R., and BOEWE, G. H.** Cereal smuts and rusts in Illinois. *U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr.* 27: 343-347, processed. Sept. 15, 1943. 1.9 P69P

**723 THOROLD, C. A.** Witches' broom disease investigations. V. Large-scale experiments on direct control [of *Marasmius pernicius* on cacao]. *Trop. Agr. [Trinidad]* 20: 176-181. Sept. 1943. 26 T754

**724 WATERMAN, A. M.** *Diplodia pinea*, the cause of a disease of hard pines. *Phytopathology* 33: 1018-1031. Nov. 1943. 464.8 P56

**725 WELLMAN, FREDERICK.** Comparative toxic effects of extracts from mild and virulent isolates of tomato-wilt *Fusarium*. *Phytopathology* 33: 1004-1017. Nov. 1943. 464.8 P56

*Fusarium bulbigenum* var. *lycopersici*.

**726 WILKINSON, E. H.** Perennial canker [*Gloeosporium perennans*] of apple trees in England. *Gard. Chron.* 114: 159, 161. Oct. 30, 1943. 80 G162

#### Diseases Caused by Bacteria

**727 HALPERIN, LEONARDO.** La quemazón bacteriana del tabaco. "*Phytophthora tabaci*" (Wolf y Foster) Bergey. *Agronomía [Buenos Aires]* 31: 33-38. Oct. 1943. 9 B864

**728 SMITH, T. E.** Distribution of bacterial wilt (*Bacterium solanacearum*) in successive crops of tobacco grown on the same fields. *Phytopathology* 33: 1076-1080. Nov. 1943. 464.8 P56

**729 SNIESZKO, STANISLAW, and BONDE, REINER.** Studies on the morphology, physiology, serology, longevity and pathogenicity of *Corynebacterium sepe-donicum*. *Phytopathology* 33: 1032-1044. Nov. 1943. 464.8 P56

Causes ring rot of potato.

#### Viruses and Virus Diseases

**730 BALD, J. G.** Potato virus X: mixtures of strains and the leaf area and yield of infected potatoes. *Austral. Council Sci. and Indus. Res. Bul.* 165. 32 p. Melbourne, 1943. 514 Au72B

**731 BAZAN PIZARRO, CONSUELO.** La virosis de la papa en el Perú. *Agronomía [Lima, Peru]* 8(30): 41-71; (31): 15-43. May/June, July/Aug. 1943. 9.8 Ag83

**732 BREDT, P.** Plant virus diseases in South Africa. *Union So. Africa, Dept. Agr. and Forestry, Publicity Ser.* 161, 2 p. Pretoria, 1943. 24 So82P

**733 CAMINHA FILHO, ADRIÃO.** A enfermidade do mosaico na Bafia. *Brasil Açucareiro* 21: 583-588. June 1943. 65.8 F73

Mosaic of sugarcane.

**734 JONES, L. K.** Potato growers lose to leaf curl malady [caused by a virus]. *Wash. Farmer* 68(21): 12. Oct. 21, 1943. 6 R151

**735 KASSANIS, BASILIOS.** Neutralization of some plant viruses by rabbit sera. *Brit. Jour. Expt. Path.* 24: 152-159. Aug. 1943. 448.8 B772

Viruses used were tobacco mosaic virus, tomato bushy stunt virus, and two cultures of tobacco necrosis viruses.

**736 LENNETTE, E. H.** Recent advances in viruses. A brief survey of recent work on viruses and virus diseases. *Science* 98: 415-423. Nov. 12, 1943. 470 Sci2

Includes viruses of plant and animal origin.

**737 MCKINNEY, H. H., and CLAYTON, E. E.** Acute and chronic symptoms in tobacco mosaics. *Phytopathology* 33: 1045-1054. Nov. 1943. 464.8 P56

**738 MICHELIN, A. S.** O mosaico da cana e a sua prevenção. *Brasil Açucareiro* 21: 504-505. May 1943. 65.8 B73

**739 NORRIS, D. O., and HUTTON, E. M.** Pea mosaic with special reference to its effect on yield of seed. *Austral. Council Sci. and Indus. Res. Jour.* 16: 149-154. Aug. 1943. 514 Au72J

**740 RIEMAN, G. H., and McFARLANE, J. S.** The resistance of the Sebago variety to yellow dwarf. *Amer. Potato Jour.* 20: 277-283. Oct. 1943. 75.8 P842

**741 TOOMEY, J. A., and CORUM, C. J.** Attempts to acclimate poliomyelitis virus to tomato plants. *Soc. Expt. Biol. and Med. Proc.* 54: 10-11. Oct. 1943. 442.9 Sol

Negative results.

**742 ZAUMEYER, W. J., and HARTER, L. L.** Two new virus diseases of beans. *Jour. Agr. Res.* 67: 305-328. Oct. 15, 1943. 1 Ag84J

Designated as bean mosaic virus 4 and bean mosaic virus 4A.

#### Diseases Caused by Nematodes

**743 ELLIS, D. E.** Root knot resistance in *Lycopersicon peruvianum*. *U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr.* 27: 402-404, processed. Oct. 1, 1943. 1.9 P69P

**744 KINSLEY, C. H.** Peach growers may divert the nematode. *Pacific Rural Press, South. Ed.*, 146: 256. Nov. 13, 1943. 6 P112A

Use of cover crops like *Crotalaria spectabilis*, resistant to nematodes.

**745 PETHERBRIDGE, F. R.** The best eelworm [*Heterodera schachtii*]. *Gt. Brit. Min. Agr. and Fisheries, Advisory Leaflets* 233, 4 p. St. Anne's-on-Sea, Lancashire, 1943. 10 G79La

#### PLANT ECOLOGY

**746 ALDRICH, J. W.** Biological survey of the bogs and swamps in northeastern Ohio. *Amer. Midland Nat.* 30: 346-402. Sept. 1943. Ref., p. 401-402. 410 M58

**747 ALLARD, H. A.** The locust consociates in the developmental forest of Bull Run Mountain, Virginia. *Ecology* 24: 485-492. Oct. 1943. 410 Ec7

The locust, *Robinia pseudoacacia*, occurs in almost pure stands, accompanied by certain weeds not present with other trees.

**748 GROVETTO, R. M., and MÜLLER, L.** Observaciones sobre la aclimatación de "*Eucalyptus globulus*" y "*Eucalyptus camaldulensis*" en varias localidades Argentinas. *Agronomía [Buenos Aires]* 31: 61-62. Oct. 1943. 9 B864

**749 DAUBENMIRE, R. F.** Some observations on epiphyllous lichens in northern Idaho. *Amer. Midland Nat.* 30: 447-451. Sept. 1943. 410 M48

Epiphyllous type of epiphyte at latitudes as high as the northern tier of the United States of America hitherto unreported.



750 FRYE, E. M. A transplanted peat bog. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 24-26. Jan./Feb. 1943. 81 Am342

Describes building of a bog and the plants grown there.

751 GARREN, K. H. Effects of fire on vegetation of the southeastern United States. Bot. Rev. 9: 617-654. Nov. 1943. Ref., p. 648-654. 450 B6527

Plant communities considered under 18 vegetational types.

752 LACKEY, J. B., and others. Some plankton relationships in a small unpolluted stream. Amer. Midland Nat. 30: 403-425. Sept. 1943. Ref., p. 424-425. 410 M58

Elsie Wattie, J. F. Kachmar, and O. R. Placak, joint authors.

Four Mile Creek in northwest Butler and southwest Preble Counties, Ohio.

753 \*LAVRENKO, E. M. Development of the main conceptions of Soviet geobotany (phytocenology) in the last 25 years (1917-1942). Pochvovedenie (Pedology) 1943, No. 3, p. 15-33. Ref., p. 32-33. 57.8 P34

Russian with English summary.

"The main conceptions of Soviet geobotany (phytocenology) are discussed. A concise history of geobotany in Russia and a more detailed exposition of the principles of phytocenosis (plant community) are given ..." - Summary.

754 LENDERKING, R. E. Life zones of the Colorado Rockies. Gray Mem. Bot. Assoc. Bul. 11(1): 4-7. Nov. 1943. 464.8 P56

755 MARIE-VICTORIN, FRÈRE. Observations botaniques sur les effets d'une exceptionnelle baisse de niveau du Saint-Laurent durant l'été de 1931. Nat. Canad. 70: 163-170. July/Aug. 1943. 410 N216

756 MARIE-VICTORIN, FRÈRE. Observations sur la bio-écologie du *Spartina pectinata*. Nat. Canad. 70: 171-178. July/Aug. 1943. 410 N216

757 RIGDEN, J. T., and PARKER, K. W. Guides to condition of Arizona chaparral goat ranges. Ariz. Stockman 9(10): 4, 10-11, 13, 15. Nov. 1943. 40 Ar4

758 WEAVER, J. E. Replacement of true prairie by mixed prairie in eastern Nebraska and Kansas. Ecology 24: 421-434. Oct. 1943. Ref., p. 433-434. 410 Ec7

#### PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

759 ALLEN, G. S. The embryogeny of *Pseudotsuga taxifolia* (Lamb.) Britt. Amer. Jour. Bot. 30: 655-661. Oct. 1943. 450 Am36

760 BERTELLI, J. C. Histología del sistema vascular de las yemas de la hoja soporte de las ramas de primavera y otoño del durazno (*Prunus persica* Sieb. et Zucc.). Assoc. de Ingen. Agron. Rev. 15(2), 11-17. June 1943. 290.9 As73

English summary.

761 BRADLEY, M. V., and GOODSPEED, T. H. Colchicine-induced allo- and autopolyploidy in *Nicotiana*. Natl. Acad. Sci. Proc. 29: 295-301. Oct./Nov. 1943. 500 N21P

762 DALE, W. T., and SCOTT, L. I. Structural characteristics of the testa in *Capsella* and *Sinapis*. Leeds Phil. and Lit. Soc. Sci. Sect. Trans. 4: 112-122. July 1943. 501 L51

763 ESAU, KATHERINE. Vascular differentiation in the vegetative shoot of *Linum*. III. The origin of the bast fibers. Amer. Jour. Bot. 30: 579-586. Oct. 1943. 450 Am36

764 \*\*FERNANDES, A., and NEVES, J. B. Sur l'origine des formes de *Narcissus bulbocodium* L. à 26 chromosomes [On the origin of forms of *Narcissus bulbocodium* L. with 26 chromosomes]. Soc. Broteriana Bol. Ser. 2, 15: 43-132. 1941.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 316-317. Oct. 1, 1943. 241 Im73

765 FLORY, W. S., and TOMES, M. L. Studies of plum [*Prunus* spp.] pollen, its appearance and germination. Jour. Agr. Res. 67: 337-358. Nov. 1, 1943. 1 Ag84J

References p. 357-358.

766 \*\*HÄKANSSON, A. Meiosis in a nullisomic and in an asyndetic *Godetia whitneyi*. Hereditas 29: 179-190. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 316. Oct. 1, 1943. 241 Im73

767 \*\*JERMOLJEV, E. The fragility of rye. Ztschr. f. Pflanzenzücht. 24: 59-70. 1942.

Abs. in Chem. Abs. 37: 6003. Oct. 20, 1943. 381 Am33C

768 \*\*LEVAN, A., and ØSTERGREN, G. The mechanism of c-miotic action: observations on the naphthalene series. Hereditas 29: 381-443. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 314-315. Oct. 1, 1943. 241 Im73

769 \*\*LEVAN, A. The pigment content of polyploid plants. Hereditas 29: 255-268. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 317. Oct. 1, 1943. 241 Im73

770 \*\*LOVE, A., and LOVE, D. The significance of differences in the distribution of diploids and polyploids. Hereditas 29: 145-161. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 318. Oct. 1, 1943. 241 Im73

771 \*\*ØSTERGREN, G. Elastic chromosome repulsions. Hereditas 29: 444-450. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 316. Oct. 1, 1943. 241 Im73

772 OPPENHEIMER, H. R. Root cushions, root stalagmites and similar structures. Palestine Jour. Bot. Rehovot Series 4: 11-19. Dec. 1942. 450 Pl72

773 PANT, D. D. On the morphology and anatomy of the root system in *Asphodelus tenuifolius* Cavan. Indian Bot. Soc. Jour. 22: 1-26. Jan. 1943. 450 J821

774 PRESTON, R. D., and SCOTT, L. I. The significance of the micropyle in relation to water entry in some leguminous seeds. Leeds Phil. and Lit. Soc. Sci. Sect. Trans. 4: 123-134. July 1943. 501 L51

Studies on *Vicia faba* and *Phaseolus multiflorus*.

775 PRIESTLEY, J. H. The cuticle in angiosperms. Bot. Rev. 9: 593-616. Nov. 1943. Ref., p. 614-616. 450 B6527

776 RATERA, E. L. Número de cromosomas de algunas Solanáceas Argentinas. Buenos Aires Univ. Facult. de Agron. y Vet. Rev. 10: 318-325. Mar. 1943. 9 B863

777 REEVE, R. M. Comparative ontogeny of the inflorescence and the axillary vegetative shoot in *Garrya elliptica*. Amer. Jour. Bot. 30: 608-619. Oct. 1943. 450 Am36

778 \*\*RESENDE, F. Cariocinese e cromonemata. Nota preliminar. [Karyokinesis and chromonemata. Preliminary note.] Soc. Broteriana Bol. Ser. 2, 15: 21-27. 1941.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 315. Oct. 1, 1943. 241 Im73

779 \*\*RESENDE, F. Movimento, aglutinação, pontes e distensão dos cromosomas na mitose. [Movement, agglutination, bridges and distension of chromosomes at mitosis.] Soc. Broteriana Bol. Ser. 2, 15: 163-196. 1941.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 316. Oct. 1, 1943. 241 Im73



780 RYAN, F. J. Crossing-over and second division segregation in fungi. *Torrey Bot. Club Bul.* 70: 605-611. 451 T63B

A critical analysis of data on *Neurospora* and *Bombardia* presented by Wülker and Zickler respectively to determine whether they show a disjunction of homologous chromosomes during the second meiotic division.

781 SAKSENA, R. K., BHARGAVA, K. S., and DAYAL, DIN. The structure of the cilia of *Thraustotheca clavata* (de Bary) Humph. *Indian Bot. Soc. Jour.* 22: 37-39. Jan. 1943. 450 J821

782 SAURA, FULGENCIO. *Cariologia de gramineas.* Buenos Aires Univ. Facult. de Agron. y Vet. Rev. 10: 344-353. Mar. 1943. 9 B863

English summary.

783 SCHOPF, J. M. The embryology of *Larix*. *Ill. Biol. Monog.*, v. 19, No. 4, 97 p. Urbana, 1943. Ref., p. 82-84. 442.9 I16B

784 STEINITZ, L. M. The effect of lack of oxygen on mitosis in barley. *Amer. Jour. Bot.* 30: 622-626. Oct. 1943. 450 Am36

785 TRATHACHAR, T. Studies in Gesneriaceae. Development of seed in *Rhynchosyllum obliquum* Bl. *Indian Bot. Soc. Jour.* 22: 51-57. Jan. 1943. 450 J821

786 THIRUMALACHAR, M. J. On *Hemileia canthii* Berk. and Broome. *Indian Bot. Soc. Jour.* 22: 225-228. July 1943. 450 J821

Leaf rust on *Plectronia parviflora*, morphological study.

787 ZOHARY, M., and FAHN, A. Anatomical-carpobiological observations in some hygroschastic plants of the oriental flora. *Palestine Jour. Bot.*, Jerusalem Ser. 2: 125-131. Nov. 1942. 450 P17

#### PLANT GENETICS

788 BASTOS DE MENEZES, OSVALDO. Número de cromossomos em *Brassicá e Lactuca*. *Rev. de Agr. Piracicaba, Brazil*, 18: 277-278. July/Aug. 1943. 9.2 E324

Experiments with *Brassica oleracea* var. *sabauda* and *Lactuca sativa* var. *romana*.

English summary.

789 BECK, W. A., and ANDRUS, BASILIA. The osmotic quantities of the cells in the hypocotyl of *Helianthus annuus* seedlings. *Torrey Bot. Club Bul.* 70: 563-596. Nov. 1943. Ref., p. 596-598. 451 T63B

790 CHANDLER, CLYDE. The number of chromosomes in two species of *Amorphophallus*. *Torrey Bot. Soc. Jour.* 70: 612-614. Nov. 1943. 451 T63B

791 DAMLE, V. P. The cytology of *Cystopus platensis* Speg. and its bearing on the identity and phylogeny of the species. *Indian Bot. Soc. Jour.* 22: 137-158. July 1943. 450 J821

792 FISHER, R. A., and MATHER, KENNETH. The inheritance of style length in *Lythrum salicaria*. *Ann. Eugenics* 12: 1-23. July 1943. 442.8 An73

"Tristylis is a device by means of which crossbreeding is encouraged. The three forms, with long-, mid- and short-styled flowers, are to be found in wild populations, but it is necessary to know the inheritance of style length before any detailed analysis of tristylis as a breeding system in the wild can be attempted."

793 \*\*GRANHALL, I. Genetical and physiological studies in interspecific wheat crosses. *Hereditas* 29: 269-380. 1943.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 327-328. Oct. 1, 1943. 241 Im73

794 HAYES, H. K., and SCHMID, A. R. Selection in self-pollinated lines of *Bromus inermis* L., *Festuca elatior* L., and *Dactylis glomerata* L. *Amer. Soc. Agron. Jour.* 35: 934-943. Nov. 1943. 4 Am34P

Characters studied included vigor, habit of growth, resistance to disease, and winter injury.

795 KRUG, C. A., and BACCHI, OSWALDO. Tri-ploid varieties of *Citrus*. *Jour. Hered.* 34: 277-283. Sept. 1943. 442.8 Am3

796 \*\*KUZ'MIN, A. J. The role of the intermediary in hybridizing currants with gooseberries. *Sovet. Bot.* 1941, No. 1-2, p. 14-23.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 262-263. Oct. 1, 1943. 241 Im73

797 LINDEGREN, C. C., and LINDEGREN, GERTRUDE. A new method for hybridizing yeast. *Natl. Acad. Sci. Proc.* 29: 306-308. Oct./Nov. 1943. 500 N21P

798 \*\*RANGASWAMI AYYANGAR, G. N., and VENKATARAMANA REDDY, T. Seedling-adult colour relationships and inheritance in sorghum. *Indian Jour. Agr. Sci.* 12: 341-363. 1942.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 286. Oct. 1, 1943. 241 Im73

799 RICHMOND, T. R. Inheritance of green and brown lint in Upland cotton. *Amer. Soc. Agron. Jour.* 35: 967-975. Nov. 1943. 4 Am34P

Study of the genes determining green and brown lint in cotton.

800 SHANK, D. B. Top-root ratios of inbred and hybrid maize. *Amer. Soc. Agron. Jour.* 35: 976-987. Nov. 1943. 4 Am34P

#### PLANT PHYSIOLOGY AND BIOCHEMISTRY

##### Plant Physiology

801 AFANASIEV, MICHEL. Germinating *Nandina domestica* seeds. *Amer. Nurseryman* 78(9): 5-6. Nov. 1, 1943. 80 Am371

802 BAILEY, L. F., and McHARGUE, J. S. Copper deficiency in tomatoes. *Amer. Jour. Bot.* 30: 558-563. Oct. 1943. 450 Am36

"Plants or portions of plants showing severe copper starvation contained relatively large amounts of copper, and this copper was evidently in an immobile state."

803 BARR, C. G., and NEWCOMER, E. H. Physiological aspects of tetraploidy in cabbage. *Jour. Agr. Res.* 67: 329-336. Oct. 15, 1943. 1 Ag84J

Comparison of nutritional constituents of diploid and autotetraploid cabbage.

804 CALDERON, R. A. La caída de la flor y la falta de cuajada en las plantas frutales. *Chacra* 13(153): 12-14. Oct. 1943. 9 C34

Also in *Bol. de Agr., Ganad. e Indus. [La Plata, Argentina]* 23: 26-29. July 1943. 9 B866; *Vinos, Viñas y Frutas* 39(455): 77-80. July 1943. 9 Ag89

805 CASTRONOVO, A. M. La biología de "Puccinia rubigo-vera secalis" en la república Argentina. *Rev. Argentina de Agron.* 10: 244-249. Sept. 1943. Ref., p. 248-249. 9 E327

*Lycopsis arvensis* proved a host for pycnidial and aecidial stages of *Puccinia rubigo-vera secalis*. Teleutospores germinate without rest period but are not viable after three months.

806 \*\*CHARPENTIER, C. A. G., and SAARELA, O. The point quadrat method of Levy and its use in the investigation of vegetation on pastures. *Valtion Maatalouskoet. Julkaisu. [Finland]*, No. 108, 31 p. 1941.

Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 167-168. June 1943. 241 Im733

807 CHRISTY, J. M. Future Farmers of America chapter does seed testing. *Agr. Ed. [Des Moines]* 16: 97. Nov. 1943. 275.8 Ag8

808 DENNY, F. E. Suggestions on inducing early germination of potato tubers in greenhouse tests for virus. *Boyce Thompson Inst. Prof. Paper* v. 2, No. 2, p. 7-12. Yonkers, July 1943. 451 B69P

Reprinted from *Amer. Potato Jour.* 20: 171-176. 1943.



- 809 DIAS MARTINS, J. E. Causas determinantes do reverdecimento de laranjas maduras em colheita pendente, e do secamento das macro-células da polpa dos frutos, na regiao peduncular. Rio de Janeiro. Inst. de Expt. Agr. Bol. 3, 29 p. Rio de Janeiro, 1942. 102.5 R474
- 810 DUNCAN, R. E., and SCHUBERT, C. K. Flower behavior upon pollination in *Phalaenopsis lueddemanniana*. Amer. Orchid Soc. Bul. 12: 200-203. Nov. 3, 1943. 80 Am329
- 811 FINA, A. L. de. Aclaración sobre los movimientos florales del girasol. Rev. Argentina de Agron. 10: 276-278. Sept. 1943. 9 R327
- 812 GAYAN S., CARLOS. La chlorosis o amarillez de las plantas. Campesino [Santiago, Chile, 75: 446-447. July 1943. 9.3 Sol2  
Cultural recommendations.
- 813 \*\*GLEDITSCH, E., and GRAF, T. De radioaktive stoffers innflytelse på plantenes utvikling. [The effect of radio-active substances on development of plants,]. Nord. Jordbrugsforek. 24: 225-236. 1942.  
Abs. in Imp. Bur. Hort. and Plantation Crops Hort. Abs. 13: 117-118. Sept. 1943. 241 Im74
- 814 JENKINS, C. F. Kelsey's weeping hemlock. Hemlock Arboretum, "Far Country" Germantown, Pa., Bul. 44:[1-2] Oct. 1, 1943. 97.32 H37  
Death of tree sent from the Kelsey nursery to the Hemlock Arboretum was due to failure of the graft. Author advocates all varieties should be grown from cuttings.
- 815 JONES, J. O., and PLANT, WILLIAM. Note on the composition of leaves from potato manurial experiment. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 44-45. 84 B77
- 816 JUDAY, CHANCEY, ELAIR, J. M., and WILDA, E. F. The photosynthetic activities of the aquatic plants of Little John Lake, Vilas County, Wisconsin. Amer. Midland Nat. 30: 426-446. Sept. 1943. 410 M58
- 817 \*KNABE, JOACHIM. Über die gegenseitigen beziehungen des gas- und fettstoffwechsels etiolierter senfkeimlinge in wasser, kaliumphthalat- und kaliumlaktatlösungen. Planta 33: 388-423. 1943. Ref.
- 818 KNOWLES, R. P. The role of insects, weather conditions, and plant character in seed setting of alfalfa. Sci. Agr. 24: 29-50. Sept. 1943. 7 Sci2
- 819 \*\*LÄRZ, H. Pathology of chloroplasts. Flora [Jena, 35: 319-355. 1942.  
Abs. in Chem. Abs. 37: 5999. Oct. 20, 1943. 381 Am33C  
Effects of chemicals on the chloroplasts of *Elaeagnus canadensis*.
- 820 LEACH, WILLIAM. Studies on the metabolism of cereal grains. II. The effect of age and kernel size on the course of respiration of wheat during early germination stages. Canad. Jour. Res. Sect. C, Bot. Sci. 21: 289-296. Oct. 1943. 470 C16CD
- 821 LONG, E. M. The effect of salt additions to the substrate on intake of water and nutrients by roots of approach-grafted tomato plants. Amer. Jour. Bot. 30: 594-601. Oct. 1943. 450 Am36
- 822 McCOLLAM, M. E. Asking the plant what food it needs [by means of foliar diagnosis]. Better Crops with Plant Food 27(8): 11-12. Oct. 1943. 6 B46
- 823 MacLACHLAN, J. D. Manganese deficiency in soils and crops. II. The use of various compounds to control manganese-deficiency in oats. Sci. Agr. 24: 86-94. Oct. 1943. 7 Sci2
- 824 MARINO, A. E. Relación entre el número de nojas y la precocidad cuando varían las épocas de siembra en el maíz. Rev. Argentina de Agron. 10: 239-243. Sept. 1943. 9 R327  
Reprinted as Santa Fe, Argentina. Inst. Expt. Invest. y Fomento Agr. Canad. Pub. Tec., No. 48. Santa Fe, 1943. 102.5 Sa52
- 825 MAYNARD, L. A., and BEESON, K. C. Some causes of variation in the vitamin content of plants grown for food. Nutr. Abs. and Rev. 13: 155-164. Oct. 1943. 389.8 N95
- 826 \*MOSEBACH, GEORG. Ueber die polarisierung der Equisetum-spore durch das licht. Planta 33: 340-387. 1943.
- 827 OSMOND, D. A. A note on heart-rot in sugar beet in Herefordshire. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 46-48. 84 B77  
Due to boron deficiency and excess of calcium carbonate.
- 828 OSTERHOUT, W. J. V. A model of the potassium effect. Jour. Gen. Physiol. 27: 91-100. Nov. 20, 1943. 447.8 J822  
The protoplasm of certain cells is able to distinguish electrically between K<sup>+</sup> and Na<sup>+</sup>. This has been called the potassium effect. It is illustrated by experiments with *Nitella*.
- 829 OSTERHOUT, W. J. V. Studies of the inner and outer protoplasmic surfaces of large plant cells. I. Plasmolysis due to salts. Jour. Gen. Physiol. 27: 139-142. Nov. 20, 1943. 447.8 J822
- 830 PARKIN, J. Proportion of leaves to flower trusses in the tomato plant. Gard. Chron. 114: 153. Oct. 23, 1943. 80 G162
- 831 PEREZ, F. M. Multiplicación artificial. Injertos. Agr. Mex. 59(8): 33-40. Aug. 1943. 8 Ag8
- 832 PRASAD, SANKATHA. Mineral deficiency effects on *Datura alba*. Indian Jour. Pharm. 5: 65-82. Apr./June 1943. 396.8 In23
- 833 PRATT, RICHARDSON. Studies on *Chlorella vulgaris*. VIII. Influence on photosynthesis of prolonged exposure to sodium bicarbonate and potassium bicarbonate. Amer. Jour. Bot. 20: 626-629. Oct. 1943. 450 Am36
- 834 ROBBINS, W. J., and KAVANAGH, VIRGENE. Growth of excised roots of polyploid tomatoes. Amer. Jour. Bot. 30: 602-605. Oct. 1943. 450 Am36  
Effect of autopolyploidy on growth of excised roots.
- 835 RUTHERFORD, D. M. Citrus decline. Pacific Rural Press [South. Ed.] 146: 250. Nov. 13, 1943. 6 P112A  
Physiological condition due to many factors.
- 836 \*SAGROMSKY, HERTA. Die bedeutung des lichtfaktors für den gaswechsel planktonischer diatomeen und chlorophyceen. Planta 33: 299-339. 1943.
- 837 SAKSENA, R. K. Nitrogen requirements and vitamin deficiencies of *Phytophthora phaseoli* Thaxter. Indian Acad. Sci. Proc. Sect. B 18: 45-50. Aug. 1943. 513 In25B
- 838 SAX, KARL, and BRUMFIELD, R. T. The relation between X-ray dosage and the frequency of chromosomal aberrations. Amer. Jour. Bot. 30: 564-570. Oct. 1943. 450 Am36  
Experiments on *Tradescantia* and *Vicia faba*.
- 839 \*SCHANDLER, H. Untersuchungen über den stickstoffhaushalt von nichtleguminosen und leguminösen. Planta 33: 424-457. 1943.
- 840 SEXSMITH, J. J., and FRYER, J. R. Studies relating to fertility in alfalfa (*Medicago sativa* L.). I. Pollen viability as affected by seasonal age of the plant. Sci. Agr. 24: 95-100. Oct. 1943. 7 Sci2



841 SOUZA, A. J. de. Ensaio de multiplicação de galhos ponteiros, utilizáveis na enxertia do cafeeiro. DNC; Rev. do Depto. Nac. do Café 21: 11-28. July 1943. 286.83 D44

Study of dimorphism of buds used in propagation of coffee.

842 SUBRAMANIAN, M. K. V. Artificial germination of rice pollen. Current Sci. [India] 12: 208-209. July 1943. 475 Sci23

843 SWARBRICK, T. The effect of naphthalene-acetic acid and naphth-ox-y-acetic acid on fruit set and development of tomato and strawberry plants. Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 24-28. 84 B77

844 TATUM, E. L., and BONNER, D. M. Synthesis of tryptophane from indole and serine by Neurospora. Jour. Biol. Chem. 151: 349. Nov. 1943. 381 J824

845 WOODWARD, H. R. Falling leaves. N. and S. Dak. Hort. 16: 130, 132. Nov. 1943. 81 N817  
Trees shed their leaves in late summer in order to conserve water and slow down transpiration.

#### Biochemistry

846 ALBAUM, H. G., and UMBREIT, W. W. Phosphorus transformations during the development of the oat embryo. Amer. Jour. Bot. 30: 553-558. Oct. 1943. 450 Am36

847 BARHAM, H. N., KRAMER, GEORGE, and REED, G. N. Influence of various factors on the starch content of Kansas-grown potatoes and sweetpotatoes. Jour. Agr. Res. 67: 395-406. Nov. 15, 1943. 1 Ag84J

848 BHARGAVA, K. S. Physiological studies of some members of the family Saprolegniaceae. I. Enzyme action. Indian Bot. Soc. Jour. 22: 85-99. July 1943. 450 J821

Brevilegnia gracilis was found to be the most active fungus studied.

849 BUNZELL, H. H. A new constituent in wheat germ oil. Torrey Bot. Club Bul. 70: 599-604. Nov. 1943. 451 T63B

Substance studied speeds up tyrosinase oxidation of p-cresol.

850 BURKHOLDER, P. R. Influence of some environmental factors upon the production of riboflavin by a yeast. Arch. Biochem. 3: 121-129. Oct. 1943. 381 Ar2

Candida guilliermondia.

851 CHELDELIN, V. H., and LANE, R. R. B vitamins in germinating seeds. Soc. Expt. Biol. and Med. Proc. 54: 53-55. Oct. 1943. 442.9 Sol

852 CHOUDHURI, H. C. Chemical nature of chromosomes. Nature [London] 152: 475. Oct. 23, 1943. 472 N21

853 COOK, E. S., and others. Relation of nucleotides and nucleosides to proliferation-promoting factors produced by ultra-violet irradiated yeast cells. Nature [London] 152: 474-475. Oct. 23, 1943. 472 N21

Sr. Ann Gertrude Cronin, C. W. Kreke, and Sr. Thomas Mary Walsh, joint authors.

854 ELLIS, W. J., and LENNOX, F. G. Some observations on Australian-grown papain. Austral. Council Sci. and Indus. Res. Jour. 16: 166-172. Aug. 1943. 514 Am72J

Area planted to Carica papaya could be extended and fruit produced within 15 months.

855 EVANS, A. W. Microchemical studies on the genus Cladonia, Subgenus Cladina. Rhodora 45: 417-438. Nov. 1943. 450 R34

856 GUSTAFSON, F. G. A comparative study of different methods of determining activities of growth-promoting substances. Amer. Jour. Bot. 30: 649-654. Oct. 1943. 450 Am36

Tests of 17 compounds.

857 HOOKER, W. J., WALKER, J. C., and SMITH, F. G. Toxicity of beta-phenethyl isothiocyanate to certain fungi. Amer. Jour. Bot. 30: 632-637. Oct. 1943. 450 Am36

Comparison of toxicity of allyl-isothiocyanate and beta-phenethyl isothiocyanate in solution to Aspergillus alliaceus, Colletotrichum circinans, A. niger and Gibberella saubinetii, and toxicity of the latter in vapor to the same organisms.

858 JAFFE, W. G. Sobre un nuevo fermento proteolítico vegetal de la clase de las papainasas. Rev. Brasil. de Biol. 3: 148-157. June 1943. 442.8 R326

Tabernaemontanain produced by Tabernaemontana grandiflora.

English summary.

859 \*\*KARRER, P., and JUCKER, E. Carotenoids from the blossoms of the chrysanthemum. Chrysanthemum-xanthin. Helvetica Chim. Acta 26: 626-630. 1943. Abs. in Brit. Chem. and Physiol. Abs., A., III. - Physiol. & Biochem., Aug. 1943, p. 615. 382 B773

860 LUGG, J. W. H., and WELLER, R. A. Vitamin C in walnuts. Nature [London] 152: 448. Oct. 16, 1943. 472 N21

861 MCCALLA, A. G., and CORNS, W. G. Effects of variety and environment on the starch content of wheat and barley. Canad. Jour. Res. Sect. C, Bot. Sci. 21: 307-321. Oct. 1943. 470 C16CD

862 MANNING, W. M., and STRAIN, H. H. Chlorophyll D, a green pigment of red algae. Jour. Biol. Chem. 151: 1-19. Nov. 1943. 381 J824

863 MELVILLE, RONALD, WOKES, FRANK, and ORGAN, J. G. Apparent vitamin C in walnuts. Nature [London] 152: 447-448. Oct. 16, 1943. 472 N21

864 NORRIS, F. N. Some plant products and enzymes. London Chem. Soc., Prog. Chem. Ann. Rpt. (1942) 39: 229-239. 1943. 382 L84A

865 NORTON, E. T. The dissociation of cellular proteins during seed germination. Wyo. Univ. Pubs. 10: 49-55. July 1943. Ref., p. 54-55. 500 W99

866 RAO, S. S., and DE, S. P. Production of Penicillin [by Penicillium notatum]. Current Sci. [India] 12: 209. July 1943. 475 Sci23

867 RICHARDSON, M. F., and WARREN, F. L. The Senecio alkaloids. I. Rosmarinine. London Chem. Soc. Jour. 1943: 452-454. Oct. 1943. 382 L84J

868 SCRIPTURE, P. N., and McHARGUE, J. S. Effect of boron deficiency on the soluble nitrogen and carbohydrate content of alfalfa. Amer. Soc. Agron. Jour. 35: 988-992. Nov. 1943. 4 Am34P

#### SILVICULTURE

869 AGUIAR, J. F. A. Essências florestais, germinação de sementes. Chacaras e Quintais 68: 169-171. Aug. 15, 1943. 9.2 C34

Includes table showing Brazilian common name and germination period of 72 species.

870 \*\*COLLETT, O. Kulturskogbruk nordenfjella. Tidsskr. Skogbr. 50: 291-297. 1942.

Silviculture in the northern districts of Norway. Abs. in Forestry Abs. 5: 27. 1943. 241.01 Im7

871 DEVOTO, F. E. Importante aclimatación de dos especies forestales, la "teca" (Tectona grandis L.), la caoba (Swietenia mahagoni Jacq.). Campo [Buenos Aires] 27(322): 22, 60. Aug. 1943. 9 C15

872 FAIRBAIRN, W. A. Espacement of plantation species: Plateau Province [Nigeria]. Farm and Forest 4: 139-141. Sept. 1943. 24 F227

873 GEORGE, E. J. Effects of cultivation and number of rows on survival and growth of trees in farm windbreaks on the northern Great Plains. Jour. Forestry 41: 820-828. Nov. 1943. 99.8 F768

874 LÓPEZ, E. D., and CUSSAC, C. M. Cartilla forestal. I. Viveros. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Forestal. Cartillas, No. 65, 34 p. Montevideo, 1943. 9.9 Ur84



875 MACDONALD, K. R. Notes on ridge sowing. *Farm and Forest* 4: 141-142. Sept. 1943. 24 F227  
Describes method used in forest nursery in Nigeria.

876 MINCKLER, L. S. Effect of rainfall and site factors on the growth and survival of young forest plantations. *Jour. Forestry* 41: 829-833. Nov. 1943. 99.8 F768

877 MULLOY, G. A. Stand density units. Canada. Forest Serv. Silv. Leaflet 16, 2 p., processed. Ottawa, Nov. 1943. 99.9 C16S

878 RUBBO, ROMULO. Resúmenes forestales. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Forestal. Cartillas, No. 66, 55 p. Montevideo, 1943. 9.9 Ur84

879 SCRUB oak [*Quercus ilicifolia*], conversion to white pine [*Pinus strobus*]. Pa. Dept. Forests and Waters, Serv. Letter 14: 77-79. Sept./Oct. 1943. 99.9 P38S

Experiments in Michaux State Forest, 1912-42.

880 STEAVENSON, HUGH. Seed or seedling? An interesting question - and experiment - in the planting of heavy-seeded hardwoods. *Amer. Forests* 49: 536-537, 556. Nov. 1943. 99.8 F762

881 YARHAM, E. R. Nursing Britain's new forests. (To be cont.) *Trees* 7: 53-54. Oct./Dec. 1943. 99.8 T714

#### FIELD CROPS

Includes articles on general agronomy, and on crop varieties, breeding, cultural practices, and yield.

##### General

882 \*\*ÅKERMAN, Å. Åkerbruksväxternas hårdighet under tre hårda vintrar [The hardness of agricultural plants during three severe winters]. *Lantm. Svenskt Land* 26: 655-659. 1942.

Abs. in *Imp. Bur. Pastures and Forage Crops Herbage* Abs. 13: 126-127. June 1943. 241 Im733

883 LILL, J. G., and RATHER, H. C. Sugar beets after alfalfa. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 129-133. Nov. 1943. 100 M58S

884 \*\*OSVALD, H. Skötsel och vallbestånd [Method of sowing and ley stand]. *Lantm. Svenskt Land* 26: 385-386, 397-399. 1942.

Abs. in *Imp. Bur. Pastures and Forage Crops Herbage* Abs. 13: 128-129. June 1943. 241 Im733

885 SAUNDERS, A. R. Field experiments at Potchefstroom [Experimental Farm]. A summary of investigations conducted during the period 1903-1940. *Union So. Africa. Dept. Agr. and Forestry Sci. Bul.* 14, 138 p. Pretoria, 1942. 24 So84S

1. Introduction. 2. Plant breeding. 3. Agronomic investigations. 4. Soil fertility investigations. 5. Miscellaneous investigations.

##### Cereals

886 BORGESON, CARL. Methods of detasseling and yield of hybrid seed corn. *Amer. Soc. Agron. Jour.* 35: 919-922. Nov. 1943. 4 Am34P

887 BROOKS, J. S. Here are yield reports on hybrid corn in Oklahoma. *Farmer-Stockman* 56: 485. Dec. 1943. 6 Ok45

Results of comparative tests by varieties and hybrids.

888 BROOKS, J. S. How to choose hybrid corn. *Farmer-Stockman* 56(11): 3, 24. Nov. 1943. 6 Ok45

889 BUSSELL, F. P. Best [grain] seed varieties for 1944. *Better Farms* 4(11): 5, 14. Nov. 1, 1943. 6 B462

890 CATES, J. S. The sweep of hybrids. *Country Gent.* 113(11): 15, 42. Nov. 1943. 6 C833  
Story of new corn growing methods which have boosted yields.

891 CHARLIN, J. I. Aplicación de rayos X a semillas de trigo. *Agricultor del Norte* 27: 561-563. June 1943. 9.3 Sol4

Experiments of Gustavo Corso Masías, Univ. of San Augustin (Arequipa) and Augusto César Girardi, Min. Agric. Chile, to determine optimum time of radiation for germination.

892 CLYDESDALE, C. S. Grain sorghums. *Queensland Agr. Jour.* 57: 133-141. Sept. 1943. 23 Q33

893 DU TOIT, J. J. Use better maize seed. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 153, 2 p. Pretoria, 1943. 24 So82P  
Includes discussion of varieties.

894 ELDERS, A. T. Malting barley---a cash crop. *Country Guide* 52(11): 20, 22. Nov. 1943. 7 G76

895 ESCOBAR, ABELARDO. El maíz híbrido dorado. *Agr. Mex.* 59(8): 13-14. Aug. 1943. 8 Ag8

896 GARNER, F. H. Late sowing of wheat. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 359-362. Nov. 1943. 10 G79J

897 LEDIOYT, G. H. Greater profits through higher quality grain. *Nebr. Crop Impr. Assoc.* 33d Ann. Rpt. 1942. In *Nebr. State Bd. Agr. Ann. Rpt.* 1942: 176-183. 2 N27R

898 LONNQUIST, J. H., and JUGENHEIMER, R. W. Factors affecting the success of pollination in corn. *Amer. Soc. Agron. Jour.* 35: 923-933. Nov. 1943. 4 Am34P

899 \*\*NAZARENKO, S. I. Drought resistance of plants as influenced by the conditions under which the seeds were raised. *Sovet. Bot.* 1941, No. 1-2, p. 72-79.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 328. Oct. 1, 1943. 241 Im73

Experiments with wheat.  
900 \*\*RANGASWAMI AYYANGAR, G. N., and others. The description of crop plant characters and their ranges of variation. IV. The variability of Indian sorghum (jowar). *Indian Jour. Agr. Sci.* 12: 528-563. 1942.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 287. Oct. 1, 1943. 241 Im73

901 SALCEDO, CAVIDIA. La variedad de arroz "Siam Garden." *Agronomía [Lima, Peru]* 8(30): 5-10. May/June 1943. 9.8 Ag83

Siam Garden best producer of the late varieties of rice grown in Libertad and Lambayeque, Peru.

902 SASKATCHEWAN. DEPT. OF AGRICULTURE. FIELD CROPS BRANCH. Pure variety seed; its development and advantages. *Saskatchewan. Dept. Agr. Bul.* 94, rev., 5 p. Regina, 1942. 7 Sa7

903 SAUNDERS, A. R. The maize situation. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 166, 2 p. Pretoria, 1943. 24 So82P  
Cultivation changes due to lack of phosphatic fertilizers.

904 SPANGENBERG, SILVIO. Las próximas siembras de maíz. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(760): 17-19. Sept. 15, 1943. 287 R71  
Advises planting hybrid corn.

905 SPRAGUE, G. F. Trends in corn breeding. *Nebr. Crop Impr. Assoc.* 33d Ann. Rpt. 1942. In *Nebr. State Bd. Agr. Ann. Rpt.* 1942: 198-205. 2 N27R

906 TINDALL, CORDELL. Hybrid corn goes south. *Mo. Ruralist* 84(21): 22. Nov. 13, 1943. 6 R8891

907 WALDRON, L. R. A crop of better varieties harvested by experiment stations. *Dakota Farmer* 63(21): 483, 497. Nov. 13, 1943. 6 D14  
Breeding rust-resistant wheat varieties.

908 WALDRON, L. R. Study of two hard red spring wheat varieties grown comparably but differing in kernel weight. *N. Dak. Agr. Expt. Sta. Bimo. Bul.* 6: 25-30. Sept. 1943. 100 N813B  
A large-kerneled wheat hybrid 2812 and the small-kerneled Thatcher.



Fiber Crops

- 909 ACEVEDO, ERNESTO. Cultivo del cañamo (*Cannabis sativa* L.). Paraguay. Min. de Agr., Com. e Indus. Rev. 2(9): 10-15. Mar. 1943. 9.7 Ag8R
- 910 BARNETO, DIONISIO. Cultivo del ramio [*Boehmeria nivea*]. Paraguay. Min. de Agr., Com. e Indus. Rev. 2(9): 10-15. Mar. 1943. 9.7 Ag8R
- 911 BLANCO, M. L. Great variety of textile plants and fibers in Cuba. Rayon Textile Monthly 24: 533-534, 605-608. Oct., 1943. 304.8 R21
- 912 CASTRO, ARISTOBULO de. Sobre algodão. Ceará, Brazil. Sec. da Agr. e Obras Púb. Depto. Estadual de Cooperativismo. Cooperaçao 2(7): 18-21. Jan. 1943. 280.28 C781
- Advisees seed selection for cotton in Ceará.
- 913 CLAREY, NORTHROP, JR. Fibers for tomorrow. (To be cont.) Textile Colorist 65: 437-440. Oct. 1943. 306.8 T31
- 914 HERRE, D. E. A cultura da juta Indiana no Espírito Santo. Chacaras e Quintais 34: 219-220. Aug. 15, 1943. 9.2 C34
- 915 KENTUCKY, UNIVERSITY. DIV. OF VOCATIONAL EDUCATION. Hemp production. Ky. State Bd. Ed. Div. Vocat. Ed. Rural War Prod. Training. Ky. Misc. 2626, 23 p., processed. Frankfort, 1943? 73.2 K41
- A teachers' manual for instructing students regarding hemp and how to produce it.
- 916 \*\*NAYAK, H. R. Studies on the quality of Jaywant cotton grown from seeds obtained from different stages of propagation. Indian Jour. Agr. Sci. 12: 865-872. 1942.
- Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 290. Oct. 1, 1943. 241 Im73
- 917 PEREZ, E.C. El cultivo de la rosella y la preparación de su fibra. (To be cont.) Sisal de Yucatán 4(45): 1-2, 6-7. Sept. 30, 1943. 73.8 S183
- 918 PETERS, R. W. Cotton breeding. Queensland Agr. Jour. 57: 142-146. Sept. 1943. 23 Q33
- 919 ROEMER, ELLEN. "Slow" sign for flax; farmers have varying success raising recommended crop. Nebr. Farmer 85(21): 26. Nov. 6, 1943. 6 N27
- 920 VERDEJO, ANTONIO, and others. Labor realizada por la Estación Experimental Algodonera de Las Breñas, Chaco, en el año 1942. Argentina, Junta Nac. del Algodón Bol. Mens. No. 97/98, p. 267-319. May/June 1943. 72.9 Ar3
- R. E. Lottero, R. R. Medina, and J.A. Ruiz, joint authors.

Forage Crops and Grasses

- 921 AGUILAR G., J. I. Nuevos recursos forrajeros de Guatemala. Rev. Agr. [Guatemala] 20: 28-32. July/Sept. 1943. 8 G934
- Analysis of *Cereus undatum*, *Pennisetum setosum*, *Secchium edule*, *Pachyrhizus palmatilobus*, and *Dioscorea convolvulacea* for forage in the fresh state.
- 922 \*\*ANDERSSON, E. Jämförelse mellan blåmazzernens samt den medelsena och tidiga rödklövers skörd av grönmassa i föreåken vid Sveriges Utsädesförening. Svalöf. Comparison between the yield of green mass of lucerne (*Medicago sativa*), together with that of medium-late and early red clover in trials of the Swedish Seed Association at Svalöf. Sveriges Utsädesförs. Tidskr. 51: 271-289. 1941.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 124-125. June 1943. 241 Im733
- 923 AVILA de ARAUJO, ANACREONTE. Asuntos agroclimáticos. A seca e as gramíneas resistentes. Rev. Agron. [Porto Alegre, Brazil] 7: 320-321. June 1943. 9.2 R325
- Several grasses resistant to drought discussed.
- 924 \*\*AXELSSON, J. Slåttervallarnas skördetid och avkastning. Time of cutting of hay leys and yield. Lantm. Svenskt Land 26: 481-484. 1942.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 130-131. June 1943. 241 Im733
- 925 BAYER, L. D. North Carolina needs alfalfa. Farmers Fed. News 24(3): 4-5. Nov. 1943. 280.28 F225
- Cultivation directions.
- 926 BENTANCUR, M. O. El cultivo del alfalfa en el Uruguay. Asoc. Rural del Uruguay Rev. 70(4): 10-13. Apr. 1943. 9.9 As5
- 927 BLACKMORE, L. W. Production of lucerne seed in Marlborough. New Zeal. Jour. Agr. 67: 191-195. Sept. 15, 1943. 23 N48J
- 928 CASAREUBIA, ANTONIO. La tuna sin espinas [*Opuntia inermis*]. Campo [Buenos Aires] 27(323): 89. Sept. 1943. 9 C15
- Spineless cactus suggested as forage crop.
- 929 COOPER, J. F. U. S. beachhead established by tropical legume, hairy indigo [*Indigofera hirsuta*]. South. Seedsman 6(11): 12, 52. Nov. 1943. 61.8 So8
- 930 COTNEY, W. W. The wise will grow legume seed. This Month in Rural Ala., Sept. 1943, p. 7. 6 T34
- 931 \*\*DWOROK, K. Wesen und möglichkeiten der luzerne-zuchtmethod in Eszterháza [Nature and potentialities of the Eszterhazy lucerne-breeding method]. Pflanzenbau 18: 1-8. 1941.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 106-107. June 1943. 241 Im733
- 932 \*\*FLODKVIST, H., and others. Möjligheter na att motverka torkans nedsättande inverkan på avkastningen från våra betesmarker och vallar [The possibilities of counteracting the depressant effect of drought on the yield from Swedish pastures and leys]. Svenska Vall- och Mosskulturför. Kvartalskr. 3: 332-357. 1941.
- J. Borg, B. Wallin, and G. Rappe, joint authors.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 117-118. June 1943. 241 Im733
- 933 HEASMAN, W. S. Water meadows for hay and pasture. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 362-365. Nov. 1943. 10 G79J
- 934 HEPP DUBIAU, RICARDO. Mejores pastos. Conservación de muestras praderas. Campesino [Santiago, Chile] 504-505. Aug. 1943. 9.3 Sol2
- Pasture management.
- 935 HURVITZ, S. How close should maize be sown for green fodder. Hassadeh [Tel-Aviv] 23: 290. July/Aug. 1943. 26 H27
- Text in Hebrew.
- 936 JENKIN, T. J. Aberystwyth strains of grasses and clovers. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 343-349. Nov. 1943. 10 G79J
- 937 LOBB, W. R. Lucerne and cocksfoot as a mixture. New Zeal. Jour. Agr. 67: 201. Sept. 15, 1943. 23 N48J
- 938 McTAGGART, A. Lucerne culture: old and new introduced varieties compared in yield with the standard variety (Hunter River) under A. C. T. conditions. Austral. Council Sci. and Indus. Res. Jour. 16: 124-128. Aug. 1943. 514 Au72J
- 939 \*\*MIROŠNIKOV, V. The winter hardiness of clover. Lén i Konoplja, No. 10, p. 29-33. 1940.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 108. June 1943. 241 Im733
- 940 \*\*NILSSON, F. Skördetidsförsök med rödklöverstammar vid Svalöf. Time of cutting trials with red clover strains at Svalöf. Sveriges Utsädesförs. Tidskr. 52: 116-132. 1942.
- Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 110-111. June 1943. 241 Im733
- 941 \*\*NILSSON-LEISSNER, G. Foderproduktionen i Sverige. VI. Resultat av värtförädlingen. Fodder production in Sweden. VI. Plant breeding results. Nord. Jordbruksforsk. 23: 178-180. 1941.
- Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 300. Oct. 1, 1943. 241 Im73



942 NOONAN, J. B. The growing of turnips and swedes for fodder on the northern tableland. Agr. Gaz. N. S. Wales 54: 447-450, 462. Oct. 1943. 23 N472

943 \*\*REZENOVA, A. Old, indigenous clovers of the Smolensk Province. Lën i Konoplâ, No. 11-12, p. 46. 1940.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 108. June 1943. 241 Im733

944 \*\*STEPHAN, J. Die serradella als eiweiss-futterpflanze [Ornithopus sativus as a protein forage plant]. Schriften über Neuzeitl. Landbau, No. 9, 53 p. 1939.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 113. June 1943. 241 Im733

945 STITT, R. E. Variation in tannin content of clonal and open-pollinated lines of perennial Lespedeza. Amer. Soc. Agron. Jour. 35: 944-954. Nov. 1943. 4 Am34P

946 STURKIE, D. G., and ALBRECHT, H. R. Blue lupines for south Alabama. This Month in Rural Ala., Aug. 5, 1943, p. 5. 6 T34

947 VALERO ABREU, ERNESTO. El gandul [Congo peas]. Rev. Canad. [Habana], 3(8/9): 14-15. Aug./Sept. 1943. 49 R321

948 VAN ALSTINE, E. More legumes and better timothy. N. Y. Fulton County Farm Bur. News 26(11): 2-3. Nov. 1943. 275.293 N. Y., Fulton County

949 WALLER, P. Growing of lucerne on worn-out coastal land. Farm and Settler 37(26): 3. July 30, 1943. 23 F226

950 WEBB, GORDON. Who wants a better pasture in 1944? Farmer-Stockman 56: 486, 523. Dec. 1943. 6 Ok45

Overgrazing and fertilizer needs discussed.

#### Oil Crops

951 ARRILLAGA, N. G., and VILLAMIL, A. R. Effect of sunlight on oil in lemon grass. Amer. Perfumer and Essential Oil Rev. 45(11): 29-31. Nov. 1943. 308.8 Am3

Experiment at the U. S. Dept. of Agriculture, Puerto Rico Experiment Station.

952 ESCOBAR, ROMULO, JR. El cultivo del cacahuate. Agr. Mex. 59(9): 6-8. Sept. 1943. 8 Ag8

953 ETTINGER, AKIVA. The cultivation of soya beans. Hassadeh [Tel-Aviv], 23: 316-318. July/Aug. 1943. 26 H27

Text in Hebrew.

954 KIESSELBACH, T. A. Soybeans as a crop in 1942. Nebr. Crop Impr. Assoc. 35d Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 183-197. 2 N27R

955 \*MASCHDRAKOV, PANAJOT. Ölhaltige pflanzen in Bulgarien. Südost Echo 12(23): 16. June 4, 1943

956 MORSE, W. J. Soybean experience in 1943. Successful Farming 41(12): 19, 48-49. Dec. 1943. 6 Su 12

957 TERVET, I. W. Improper storage of soybeans oftentimes causes injurious molds. Seed World 54(10): 8-9, 46. Nov. 19, 1943. 61.8 Se52

958 WOOLEY, F. O tungue (Aleurites fordii). Rev. de Agr. [Piracicaba, Brazil], 23: 279-280. July/Aug. 1943. 9.2 B324

Need for study of effect of drought and methods to avert crop loss like that of 1941.

#### Sugar Crops

959 SORNAY, A. de, and MAZERY, G. Selection of sugarcane seedlings from first-ratoon populations. Rev. Agr. de l'île Maurice 20: 94-101. May/June 1943. 24 M44

960 STOKES, I. E., and ASHLEY, T. E. Sugar-cane production in Mississippi. Miss. Farm Res. 6(11): 3-6. Nov. 1943. 100 M69M1

961 WESTWOOD, R. W. Silver wedges. Nature Mag. 36: 461-464, 498. Nov. 1943. 409.6 N214

Cultivation of sugar beets.

#### Tobacco

962 KINCAID, R. R. Effect of storage conditions on the viability of tobacco seed. Jour. Agr. Res. 67: 407-410. Nov. 15, 1943. 1 Ag84J

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

963 BRUGGEMANN, L. G. Lessons from a Victory Garden. Horticulture 21: 384-385. Oct. 15, 1943. 80 H787

964 BURDETT, J. H. Half Nation's vegetable produce came from Victory Gardens. Seed World 54(11): 12-13, 44. Dec. 3, 1943. 61.8 Se52

965 CANELA, P. T. Los cultivos de jardín. Pampa Argentina 17(193): 18. Sept. 1943. 9 P19

966 GOURLEY, J. H. Vegetable or fruit? Mountaineer Grower 14(148): 9. Oct. 1943. 80 M86

A fruit is derived from a flower; a vegetable from other portions of the plant.

967 HASTINGS, D. M. Growers are given green light on All-Americas and other 1944 introductions. South. Seedsman 6(11): 11, 32. Nov. 1943. 61.8 So8

Vegetables and ornamentals.

968 HOPPERT, E. H. The Victory Garden program for Nebraska. Nebr. State Hort. Soc. 73d Ann. Rpt. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 436-440. 2 N27R

969 JERSIG, H. D. Victory Gardens win loyalty. Amer. Brewer 76: 16, 26. Oct. 1943. 390.8 Am3

Co-operative gardening sponsored by Lone Star Brewing Co., San Antonio, Tex.

970 KENNERLY, A. B. Grow your own fruit.

Farm and Ranch 62(11): 22. Nov. 1943. 6 T31

Suggestions for cultivation of deciduous and small fruits.

971 LEMMON, R. S. Really worthwhile home fruits. Home Gard. [N. Y.] 2(5): 36-38. Nov. 1943. 80 H756

972 PAGE, E. H. New and unusual vegetables and flowers for your garden. Austral. Gard. Lover 19(6): 7-8. Sept. 1943. 80 G1615

973 ROCKWELL, F. F. A running start for next year's Victory Garden. Home Gard. (N.Y.) 2(5): 12-15. Nov. 1943. 80 H756

974 U. S. PATENT OFFICE. Plant patents. 13 Nos. 1943. 156.65 P69

Contents: No. 576. Reinecke, J. M. Avocado tree. 2 p., 1 col. pl. Patented Apr. 20, 1943; No. 595.

Mallerin, Charles. Rose plant. 2 p., 1 col. pl. Patented July 13; No. 596. Mallerin, Charles. Rose plant. 2 p., 1 col. pl. Patented July 13; No. 597.

Ruggeri, Peter. African violet. 1 p., 1 col. pl. Patented Aug. 3; No. 600. Byrum, R. L. Rose plant. 2 p., 1 col. pl. Patented Sept. 7; No. 601. Byrum, R. L. Rose plant. 2 p., 1 col. pl. Patented Sept. 28; No. 602. Laughlin, Cowden, and Laughlin, L. M. Lily plant. 1 p., 1 col. pl. Patented Oct. 5; No. 604. Bates, W. H. Peach tree. 2 p., 1 col. pl. Patented Oct. 19; No. 606. Graf, A. B. Rose plant. 2 p., 1 col. pl. Patented Nov. 16; No. 607. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Patented Nov. 23; No. 608. Campbell, Robert. Apple tree. 2 p., 1 col. pl. Patented Nov. 23; No. 609. Frazee, E. N. Freesia variety. 1 p., 1 col. pl. Patented Nov. 23.

975 WATTS, M. T. Showy fruits of the forest floor. Morton Arboretum Bul. Pop. Inform. 18: 53-56. Sept. 1943. 99.9 M84

Some are edible; some are used as medicine; some are poisonous; some offer both spring and fall interest.

976 WILSON, M. L. "Victory gardens second only to farm production." Seed World 54(11): 38-39. Dec. 3, 1943. 61.8 Se52



Citrus and Subtropical Fruits

977 BARNES, H. Custard apple [or cherimoya].  
Queensland Agr. Jour. 57: 147-149. Sept. 1943.  
23 Q33

978 \*\*BRICHET, J. Nos orangeries sous le  
sirocco [The effect of hot winds on Algerian orange  
orchards]. Fruits et Primeurs 12: 143-145. 1942.  
Abs. in Imp. Bur. Hort. and Plantation Crops Hort.  
Abs. 13: 121-122. Sept. 1943. 241 Im74

979 CARTILLA de citricultura isleña. Buenos  
Aires, Argentina. Min. de Obras Púb. Dir. de Agr.,  
Canad., e Indus. Bol. 23(8): 16-29. Aug. 1943.  
9 B866

Prepared by the División de Enseñanza Agrícola de  
Paraná; colored plates of leman and navel orange.

980 CINNAMON. The pruning of the olive tree.  
Hassadeh [Tel-Aviv] 23: 298. July/Aug. 1943.  
26 H27

Text in Hebrew.

981 MILLER, J. C. Avocado topworking.  
Calif. Cult. 90: 574. Nov. 13, 1943. 6 C12

Deciduous Fruits

982 BRAZELTON, J. S. If you plan a new or-  
chard pick Rome Beauty [apple] for keeping, color,  
size. Mo. Ruralist 84(20): 14. Oct. 23, 1943.  
6 R8891

983 BROADFOOT, H., and WHITTAKER, E. C. Side-  
grafting apple and pear trees. Agr. Gaz. N. S.  
Wales 54: 415-416. Sept. 1, 1943. 23 N472

984 BUSH, R. G. W. Grub out or grow on?  
Farmers Weekly [London] 19(20): 29. Nov. 12, 1943.  
10 F2226

Cultural directions for apple orchard.

985 CROCE, F. M. Poda de fructificación del  
peral. Agrario 8(320): 11. July 31, 1943. 9.3  
Ag85

Directions for pruning pears.

986 CUMMINGS, M. B. Apple crop in 1943.  
New England Homestead 116(23): 7. Nov. 27, 1943.  
6 N442

987 CUMMINGS, M. B. The Delicious group of ap-  
ples. Rural New Yorker 102: 550. Nov. 13, 1943.  
6 R88

988 GOBBATO, CELESTE. Cultura do marmeleiro.  
Chacaras e Quintais 34: 225-226. Aug. 15, 1943.  
9.2 C34

Cultural directions for quince.

989 GRAY, F. O. The apricot thrives well in  
Tasmania. Tasmanian Fruitgrower and Farmer 28(243):  
15. Sept. 7, 1943. 23 T185

990 HOFFMAN, M. B. Pruning schedule for this  
winter. [N. Y.] Rensselaer County Farm Bur. News  
20(8): 1. Nov. 1943. 275.293 N. Y., Rensselaer Co.  
Apple, peach, and cherry trees.

991 \*\*KUZNETZOV, P. V. The role of *Pirus sa-  
licifolia* Pall. in the development of fruit growing  
in arid regions. Sovet. Bot. 1941, No. 1-2, p. 103-  
107.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant  
Breeding Abs. 13: 359. Oct. 1, 1943. 241 Im73

992 McLARTY, H. R. Causes of pre-harvest drop  
of McIntosh Red [apples]. Country Life [Brit. Co-  
lumbia] 27(6, i. e. 9): 28. Nov. 1943. 7 C832

993 MANEY, T. J. Hardy stocks have a place in  
our orchards. Nebr. State Hort. Soc. 73d Ann. Rpt.  
In Nebr. State Bd. Agr. Ann. Rpt. 1942: 412-420.  
2 N27R

List of stocks used successfully in top-working  
apple varieties.

994 MANN, A. J. Dwarf and semi-dwarf apple  
trees under test for possible B. C. use. Country  
Life [Brit. Columbia] 27(6, i. e. 9): 4. Nov. 1943.  
7 C832

995 MILLER, C. R. Shall I plant peaches?  
Amer. Fruit Grower 63(11): 5. Nov. 1943. 80 G85

996 MORSIANI, URIO. Conceptos generales sobre  
la poda de las plantas frutales de hojas caducas.  
Buenos Aires, Argentina. Min. de Obras Púb. Dir. de  
Agr., Canad., e Indus. Bol. 23(7): 20-25. July 1943.  
9 B866

Pruning of apple, peach, and pear.

997 NIVEN, L. A. About peaches for east Texas  
Prog. Farmer, Tex. Ed. 58(12): 36. Dec. 1943.  
6 T311

998 PARKS, I. H. Spraying saved the [apple]  
fruit. Ohio Farmer 192(9): 13. Nov. 6, 1943.  
6 Oh3

999 REEVES, FRANK. The makings of a fruit king.  
Farmer-Stockman 56(11): 18. Nov. 1943. 6 Ok45  
Describes the orchard of W. H. Smith of Comanche  
County, Tex.

1000 \*\*REIMER, C. Kommerciell plommonodling  
särskilt med tanke på Skåne [Commercial plum growing  
with particular reference to Scania]. Sveriges  
Pamol. F8r. Årsskr. 43: 29-76. 1942.

Abs. in Imp. Bur. Hort. and Plantation Crops Hort.  
Abs. 13: 90. Sept. 1943. 241 Im74

1001 SHEWELL-COOPER, W. E. An [apple] orchard  
to graze in. Estate Mag. 63: 268-269. Oct. 1943.  
10 Es8

1002 SHEWELL-COOPER, W. E. "Playing" with  
fruit trees. Field 182: 464. Oct. 30, 1943. 10 F45  
Curling method of pruning side-growths.

1003 SWABBRICK, T. The production of cider  
fruit on bush trees. Bristol Univ., Agr. and Hort.  
Res. Sta. Ann. Rpt. 1942: 13-17. 84 B77

Study of apple varieties for cider likely to grow  
and yield well as bush trees.

1004 TAYLOR, G. C. Autumn work in the fruit  
garden. Country Life [London] 94: 558-559. Sept.  
24, 1943. 80 C83

1005 TOMALIN, T. E. Fruit tree planting time  
is here. Pop. Gard. 45: 297. Nov. 6, 1943.  
30 G1622

1006 TUKEY, H. B. New fruit varieties. (To be  
cont.) Rural New Yorker 102: 577, 587. Nov. 27,  
1943. 6 R88

1007 TUKEY, H. B. Small but fruitful. Suc-  
cessful Farming 41(12): 20. Dec. 1943. 6 Sul2  
Dwarf apple trees.

1008 WILSON, H. VAN P. Giant fruits from midg-  
et trees. Better Homes & Gardens 22(3): 20-21, 84-  
85. Nov. 1943. 80 F9424  
Dwarf apple and pear trees.

Nuts

1009 ANGELL, G. N. Fred Chambers makes old  
trees new. Oreg. Farmer 66: 487. Oct. 21, 1943.  
6 Or32

Restoration of frozen walnut trees.

1010 CRANMER, C. B. Asiatic chestnut. Flor-  
ists Exch. 101(20): 9. Nov. 18, 1943. 80 F666

Results obtained from experimental plantings of  
Chinese chestnut, *Castanea mollissima*, and Japanese  
chestnut, *Castanea crenata*, made by U. S. Dept. of  
Agriculture, Bureau of Plant Industry, in the effort  
to establish a blight-resistant chestnut.

1011 FERRIS, H. B. Observations on nut trees.  
Arboretum Bul. 6(4): 18-19, 28. June 1943. 451 Ar1

Ornamental Plants

1012 ABBOTT, E. S. Bowl gardening is very  
simple. Horticulture 21: 415. Nov. 15, 1943.  
80 H787

1013 ALLEN, P. H. The giant herb (*Gunnera in-  
signis*). Mo. Bot. Gard. Bul. 31: 158-160. Oct.  
1943. 451 M69B

1014 ALLEN, R. C. What's back of bush rose  
protection. Home Gard. (N. Y.) 2(5): 86-87. Nov.  
1943. 80 H756

1015 ANDERSON, A. W. The story of the French  
anemone [*A. coronaria*]. Gard. Chron. Amer. 47:  
287. Nov. 1943. 80 G1632



- 1016 ARMBRUSTER, M. E. Notes on the genus *Viola*. Amer. Rock Gard. Soc. Bul., incl. *Saxiflora* 1:95-96. Sept./Oct. 1943. 81 Am342
- 1017 ARNOLD, R. E. *Cattleya warscewiczii* [sic]. Orchid Rev. 51: 142-144. Sept./Oct. 1942. 80 Or15
- 1018 ARNOLD, R. E. *Habenaria pusilla*. Orchid Rev. 51: 133. Sept./Oct. 1943. 80 Or15
- 1019 ARNOLD, R. E. *Phalaenopsis amabilis*. Orchid Rev. 51: 150-152. Sept./Oct. 1943. 80 Or15
- 1020 BAILEY, RALPH. What's the best shade tree in your neck of the woods? House Beautiful 85(11): 62-63. Nov. 1943. 296.8 H81
- Eight trees suggested for various regions.
- 1021 BARMWATER, E. *Hemerocallis*. Gard. Chron. Amer. 47: 294. Nov. 1943. 80 G1632
- 1022 BARR, C. A. Jewels of the Great Plains. Amer. Rock Gard. Soc. Bul., incl. *Saxiflora* 1:13-16. Jan./Feb. 1943. 81 Am432
- Includes descriptions of *Townsendia exscapa*, *Viola nuttallii*, *Phlox alyssifolia*, and *Oenothera caespitosa*.
- 1023 BARR, C. A. *Saxiflora*: *Astragalus tri-dactylus*. Amer. Rock Gard. Soc. Bul., incl. *Saxiflora* 1: 75-78. July/Aug. 1943. 81 Am342
- 1024 BAUER, RENA. Leopard plant, *Farfugium grande*. Back to Eden 10(4): 3. Nov. 1943. 80 B12
- 1025 BECK, WALTER. Can we build Chinese gardens? Gard. Club Amer. Bul. 8(17): 13-14. Nov. 1943. 90.32 G16
- Study of Chinese literature and art required.
- 1026 BECKER, H. F. Cacti and morale. Cactus and Succulent Jour. 15: 144-146. Oct. 1943. 451 C11
- A loan collection of cacti, belonging to A. A. Bernhardt, has been acquired by the Biology Dept. of Brooklyn College. Collecting as a hobby is stimulating both to the collector and the public concerned.
- 1027 BEILMANN, A. P. New or noteworthy plants for St. Louis. XV. *Prinsepia insignis*. Mo. Bot. Gard. Bul. 31: 160-161. Oct. 1943. 451 M69B
- 1028 CARY, M. M. White flowers for evening. Horticulture 21: 378. Oct. 15, 1943. 80 H787
- 1029 CHESLEY, C. H. Seeds that welcome freezing. Home Gard. (N. Y.) 2(5): 32-33. Nov. 1943. 80 H756
- Growing certain alpine and native plants from seed.
- 1030 CHRISMAN, MRS. J. R. Plan your flower garden. Back to Eden 10(4): 2. Nov. 1943. 80 B12
- 1031 CHRISMAN, MRS. J. R. Midsummer garden. Back to Eden 10(2): 3. Sept. 1943. 80 B12
- Simple and inexpensive flowers suggested.
- 1032 CLARK, A. M. *Begonia Loma Alta*. Begonian 10(11): 195, 202. Nov. 1943. 96.511 B39
- 1033 COE, MRS. W. E. Southern plants for southern New England. Gard. Club. Amer. Bul. 8(17): 21-22. Nov. 1943. 90.32 G16
- 1034 COFFEY, C. S. Remember upkeep when making plans. Home Gard. (N. Y.) 2(5): 20-22. Nov. 1943. 80 H756
- Hard work that goes into the making and care of a garden.
- 1035 COOMBS, S. V. Grow the Cape primrose [*Streptocarpus*] from seed. Gard. Chron. Amer. 47: 292, 296. Nov. 1943. 80 G1632
- 1036 COOPER, E., and WALKDEN, ANNICE. *Epiaendrum hartii*. Orchid Rev. 51: 146-148. Sept./Oct. 1943. 80 Or15
- 1037 COOPER, E. *Oncidium virgulatum*. Orchid Rev. 51: 148-149. Oct./Sept. 1943. 80 Or15
- 1038 COOPER, E. *Trichoglottis joiceyana*. Orchid Rev. 51: 130. Sept./Oct. 1943. 80 Or15
- 1039 COOPER, G. J. W. Fuchsias outdoors in New Zealand. Roy. New Zeal. Inst. Hort. Jour. 13: 1-6. July 1943. 87 N485J
- 1040 COYLE, GRACE. Vegetables [grown as ornamentals] for the living room. Gard. Chron. Amer. 47: 293. Nov. 1943. 80 G1632
- 1041 DALY, J. F. Check list of all double Chinese peonies which have received at any time a rating of 9.0 or more. Amer. Peony Soc. Bul., No. 91, p. 47-52. Sept. 1943. 81 Am38B
- 1042 DEMPSEY, F. H. C. Notes on native orchids. Canad. Field-Nat. 57: 93-94. Apr./May 1943. 410.9 Ots
- Many native species have been cultivated.
- 1043 DORWARD, M. M. Paper white narcissus [indoors]. Gard. Chron. Amer. 47: 289. Nov. 1943. 80 G1632
- 1044 EASLEA, W. Roses of merit; a selection of the newer hybrid tea varieties. Gard. Illus. 64: 213. Nov. 1943. 80 G169
- 1045 ELLIOTT, F. H. Blindness in irises. Florists' Rev. 93(2399): 18, 59. Nov. 18, 1943. 80 W41
- Failure to flower.
- 1046 ELLIOTT, F. H. Flowering bulbous irises under glass. Florists' Exch. 101(18): 7. Oct. 30, 1943. 80 F666
- 1047 ENGLISH, C. S., JR. Rhododendrons for the rock garden. Amer. Rock Gard. Soc. Bul., incl. *Saxiflora* 1: 69-74. July/Aug. 1943. 81 Am342
- 1048 EYRE, A. W. Experiments in cultivation of alpine plants. Alpine Gard. Soc. Quart. Bul. 11: 171-173. Sept. 1943. 84 A16
- 1049 FAIRBURN, D. C. Raising *Nepenthes* from seed. Mo. Bot. Gard. Bul. 31: 174-180. Nov. 1943. 451 M69B
- 1050 FISHER, G. M. Perennial pentstemons of the West. Amer. Nurseryman 78: 5-7. Nov. 15, 1943. 80 Am371
- 1051 FLAITSZ, MRS. HENRY. My hillside Re-lathhouse. Begonian 10(11): 198-199. Nov. 1943. 96.511 B39
- 1052 FLORIDA, J. de la. El arbolado en los pueblos reconstruidos. Surco [Madrid] 2(15): 7-8. May 1943. 15 Su7
- List of trees recommended for avenue plantings in reconstruction of towns.
- 1053 FOOTE, W. E. Comments from Canada. Amer. Peony Soc. Bul., No. 91, p. 57-61. Sept. 1943. 81 Am38B
- Experience with peonies in Alberta Province.
- 1054 FOSTER, M. B. Are your house plants conversation pieces? House Beautiful 85(11): 46-47, 84. Nov. 1943. 296.8 H81
- Ten novel and beautiful plants reasonably easy to grow and commercially available.
- 1055 FREE, MONTAGUE. Calla lily—Easter lily. Home Gard. (N. Y.) 2(5): 84. Nov. 1943. 80 H756
- 1056 FREE, MONTAGUE. Too late to plant bulbs? Home Gard. (N. Y.) 2(5): 10-11. Nov. 1943. 80 H756
- Good advice for procrastinating gardeners.
- 1057 FRENZ, J. W. Home grown peonies - season of 1943. Amer. Peony Soc. Bul., No. 91, p. 53-55. Sept. 1943. 81 Am38B
- 1058 FRYE, E. M. Introduction to rhododendrons. Arboretum Bul. 6(3): 7-8, 28-29. Mar. 1943. 451 Ar1
- 1059 GILBERT, P. A. Orchids and their culture; Vandas and their congeners. (Cont.) Austral. Gard. Lover 19(6): 5, 7. Sept. 1943. 80 G1615
- 1060 GILLIES, G. H. The chrysanthemum. Hort. Soc. N. Y. Monthly Bul. 14(10): 4-7. Oct. 1943. 81 M482M
- Detailed instructions for growing.
- 1061 GIUSEPPI, P. L. A voyage in plantsland. Alpine Gard. Soc. Quart. Bul. 11: 167-170. Sept. 1943. 84 A16
- Notes on sources of ornamental plants.



1062 GOWEN, MRS. A. S. Are you growing good peonies? Minn. Hort. 71: 126-127. Oct. 1943. 81 M66

Cultivation suggestions and lists of varieties.

1063 GRANT, J. A. Late color in the Pacific Northwest. Home Gard. (N. Y.) 2(5): 78-80. Nov. 1943. 80 H756

1064 GRAY, E. K. Rex begonias and their care. Back to Eden 10(2): 1. Sept. 1943. 80 B12

1065 HAMBLIN, S. F. Autumn bulbs. Lexington Leaflets 13: 45-48. Sept. 25, 1943. 80 L59

1066 HARKNESS, BERNARD. The prairie blue-eyed grass [*Sisyrinchium campestre*]. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 98. Sept./Oct. 1943. 81 Am342

A worth-while addition in the rock garden.

1067 HASTINGS, W. R. Four All-America rose selections win recognition; two yellows lead parade; one is coral pink; West likes reddish apricot. South. Florist and Nurseryman 56(3): 3, 11-12. Oct. 15, 1943. 80 So86

1068 HASTINGS, W. R. 1944 All-America flower selections named; new petunia, marigold cited. South. Florist and Nurseryman 56(3): 7-8. Oct. 15, 1943. 80 So86

1069 HEBERT, MYRTLE. Natives in our gardens. Horticulture 21: 378. Oct. 15, 1943. 80 H787

Wild flowers for gardens.

1070 HENRY, M. G. A rock garden of natives. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 2-13. Jan./Feb. 1943. 81 Am342

A collection of plants from various regions of the United States and northwestern Canada.

1071 HOLCOMB, MRS. J. M. Gossip of the flowers. Northwest Gard. 11(8): 15-17. Oct. 1943. 80 N813

Legends and popular information.

1072 HUTTON, S. B. Autumn in your rose garden. Success with Roses 16(4): 4. Oct. 1943. 80 R723

1073 JACOBS, M. R. A hardy Ornithogalum. Horticulture 21: 415. Nov. 15, 1943. 80 H787

Ornithogalum umbellatum.

1074 JENKINS, C. F. Hemlocks for rock gardens. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 26-30. Jan./Feb. 1943. 81 Am342

Varieties of the Eastern hemlock, *Tsuga canadensis*.

1075 JEWEL, PEG. Outdoor living room in shade without trees. Begonian 10(11): 192-194. Nov. 1943. 96.511 B39

Description of a Pasadena garden.

1076 KESSEN, KLASINA. Spring flowers on winter days. Home Gard. (N. Y.) 2(5): 24-25. Nov. 1943. 80 H756

Forcing of bulbs for winter blooming.

1077 KLINE, F. W. Campanulas in wide variety. Horticulture 21: 395. Nov. 1, 1943. 80 H787

1078 KRAUSS, H. K. Fernlike and small leaved members of the begonia family. Gard. Chron. Amer. 47: 283-284. Nov. 1943. 80 G1632

1079 LAURIE, ALEX. Garden bedclothes. Home Gard. (N. Y.) 2(5): 26-27. Nov. 1943. 80 H756

Winter protection of ornamentals important against alternation of cold and heat.

1080 LAVALLE, F. J. A. Cultivos en maceta para adornos e interiores. Campo [Buenos Aires] 27(323): 18. Sept. 1943. 9 C15

Care of house plants.

1081 LAWRENCE, ELIZABETH. Handsome wild indigos. Horticulture 21: 421. Nov. 15, 1943. 80 H787

Baptisia spp.

1082 LAWRENCE, MRS. M. A. Putting the fuchsias to bed. Northwest Gard. and Homes 11(9): 7-8. Nov. 1943. 80 N813

Winter protection.

1083 LAWRENCE, MRS. RUTH. Without benefit of flowers. Minn. Hort. 71: 140-142. Nov. 1943. 81 M66

Flower arrangement of fall and winter bouquets.

1084 LUDWIG, ED. How to make [cut] flowers stay lovely longer. House Beautiful 85(11): 110-111. Nov. 1943. 296.8 H81

1085 McFARLAND, J. H. Enjoys old ferns. Horticulture 21: 394. Nov. 1, 1943. 80 H787

1086 MANNING, L. E. Your shade trees: trees must eat and drink. Amer. Forests 49: 542-543. Nov. 1943. 99.8 F762

1087 MARRIAGE, KATHLEEN. Creeping Mahonia, a rock garden evergreen. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 49. Mar./Apr. 1943. 81 Am342

1088 MINTER, GERTRUDE. Growing lilies from seed. Gard. Gossip 18(11): 6. Nov. 1943. 80 G1625

1089 MOORE, J. G. Fall is pruning time on the golf course. Greenkeepers' Reporter 11(5): 5-6. Sept./Oct. 1943. 60.18 G83

Pruning of ornamental trees and shrubs.

1090 MURDOCH, MRS. PAUL. *Xanthoceras sorbifolius*. Back to Eden 10(4): 4-5. Nov. 1943. 90 B12

A little-known ornamental shrub.

1091 NIVEN, L. A. Ways with roses. Prog. Farmer, Tex. Ed. 58(12): 11. Dec. 1943. 6 T311

Cultural directions.

1092 NORTON, MARK and NORTON, CLAIRE. Ten top flowers from the Rockies. Home Gard. (N. Y.) 2(5): 55-58. Nov. 1943. 80 H756

1093 PEYTON, G. W. List of recent peony introductions. Amer. Peony Soc. Bul., No. 91, p. 4-37. Sept. 1943. 81 Am38B

1094 PEYTON, G. W. Outstanding peonies. Amer. Peony Soc. Bul., No. 91, p. 37-43. Sept. 1943. 81 Am38B

1095 PRING, G. H., and WILSON, H. VAN P. How to propagate tropical waterlilies. Home Gard. (N. Y.) 2(5): 71. Nov. 1943. 80 H756

1096 PRING, G. H. *Nepenthes* (pitcher-plants). Mo. Bot. Gard. Bul. 31: 169-174. Nov. 1943. 451 M69B

1097 PRING, G. H. The velvet-leaved *Gloxinia* (*Sinningia speciosa*). Mo. Bot. Gard. Bul. 31: 161-162. Oct. 1943. 451 M69B

1098 PRING, G. H. Wild ginger [*Asarum canadense*] as a ground cover. Mo. Bot. Gard. Bul. 31: 163-164. Oct. 1943. 451 P69B

Outstanding in its ability to hold its foliage in spite of drought and competition of trees.

1099 ROBERTS, J. G. Rooted cuttings and propagation of alpine and perennials. Alpine Gard. Soc. Quart. Bul. 11: 182-183. Sept. 1943. 84 A16

1100 ROSE, F. H. Montana Pentstemons. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 85-87. Sept./Oct. 1943. 81 Am342

1101 ROWENTREE, LESTER. *Kalanchoes* have possibilities. Desert Plant Life 15: 101-103. Sept. 1943. 450 D45

1102 RUIZ LEAL, ADRIAN. Comportamiento en cultura de plantas autóctonas - *Portulaca echinosperma* Haum. (Portulacaceae). Mendoza, Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr. 11: 21-29. Jan./Mar. 1943. 9 M52B

1103 ST. GEORGE, ELEANOR. May be good or bad [*Malva moschata*]. Horticulture 21: 425. Nov. 15, 1943. 80 H787

Weed in meadows and along roadsides is a handsome ornamental in perennial borders.

1104 SCOTT, BLANCHE. The white oak (*Quercus alba*). Explorer, No. 76, p. 4-5. Autumn 1943. 409.6 Ex7



- 1105 SCOTT, D. G. Winter welfare for the lawn. Home Gard. (N.Y.) 2(5): 16-17. Nov. 1943. 80 H756
- 1106 SCOTT, L. M. Large flowering tuberous begonias. Arboretum Bul. 6(3): 3-4, 27. Mar. 1943. 451 Arl
- 1107 SELWOOD, ARCHIE. Bud form in roses. Rose Soc. Ontario, Yearbook 1942: 52-56. 82 R72
- 1108 SEYMOUR, E. L. D. There are all kinds of house plants! Amer. Home 30(6): 23-24. Nov. 1943. 80 Am313
- Simple basic directions for successful growing.
- 1109 SHOWMAKER, MRS. FRED. Hardy garden lilies. Back to Eden 10(4): 3-4. Nov. 1943. 80 B12
- 1110 SMITH, N. R. How to make a terrarium. Home Gard. (N.Y.) 2(5): 48-49. Nov. 1943. 80 H756
- Illustrations show containers and how to place soil and plants.
- 1111 SPAIN, R. L. Cyclamens from seed. Home Gard. (N.Y.) 2(5): 52-54. Nov. 1943. 80 H756
- 1112 STEELE, FLETCHER. The garden refuses to go to the dogs. Gard. Club Amer. Bul. 8(17): 23-26. Nov. 1943. 90.32 G16
- Ornamental garden thrives on negligence.
- 1113 STEFFEK, E. F. Put it to bed with great care. Amer. Home 30(6): 34, 36-37. Nov. 1943. 80 Am313
- Winter protection for ornamentals.
- 1114 STUART, J. E. B. The partridge berry [*Mitchella repens*]. Back to Eden 10(4): 5-6. Nov. 1943. 80 B12
- 1115 TAYLOR, T. M. C. Four lobelias. Canad. Nature 5: 170. Nov./Dec. 1943. 410 C162
- 1116 THOMAS, G. S. Hardy aroids. Gard. Illus. 64: 207-208. Nov. 1943. 80 G169
- 1117 THWING, W. E. The secret of the bulb. Home Gard. (N.Y.) 2(5): 42-43. Nov. 1943. 80 H756
- Its protective layers may conceal a plant complete.
- 1118 TIEMANN, O. R. The Formosanum lily. Back to Eden 10(4): 5. Nov. 1943. 80 B12
- 1119 VOSBURG, J. S. Plantly speaking—in the shade. Begonian 10(11): 203. Nov. 1943. 96.511 B39
- Impatiens sultani*.
- 1120 WAINWRIGHT, MRS. E. L. The terrarium, or glass garden. Back to Eden 10(4): 1-2. Nov. 1943. 80 B12
- Directions and list of plants that may be used.
- 1121 WALKDEN, ANNICE. *Brassia lawreanceana* var. *longissima*. Orchid Rev. 51: 131-132. Sept./Oct. 1943. 80 Or15
- 1122 WALKDEN, ANNICE. *Coelogyne massangeana*. Orchid Rev. 51: 132-133. Sept./Oct. 1943. 80 Or15
- 1123 WATKINS, J. V. Quick-action gardens for Florida and the Gulf coast region. Home Gard. (N.Y.) 2(5): 61-62. Nov. 1943. 80 H756
- Contains list of quick hardy annuals for November planting.
- 1124 WEDELL, C. F. Con-foundation plantings. Gard. Chron. Amer. 47: 288. Nov. 1943. 80 G1632
- Suggestions for improvement in planning home grounds
- 1125 WELLS, J. B. Border carnations in wartime. Gard. Chron. 114: 143-144. Oct. 16, 1943. 80 G162
- Novelties and varieties recommended.
- 1126 WESTON, T. A. The amateur's greenhouse; pot plants are best subjects for variety and year-round color. Hort. Soc. N. Y. Monthly Bul. 14(11): 3-6. Nov. 1943. 81 N482M
- 1127 WESTON, T. A. Notes on new flowers. Home Gard. (N.Y.) 2(5): 85. Nov. 1943. 80 H756
- America petunia; Clinton, Honeycomb marigolds worthwhile for the home garden.
- 1128 WHERRY, E. T. Native ferns in a rock garden. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1:16-20. Jan./Feb. 1943. 81 Am342
- 1129 WHITEHEAD, S. B. Bulbs for spring splendour in the garden. Field 182: 436. Oct. 23, 1943. 10 F45
- 1130 WIECHMANN, H. H. The iris and its culture in eastern Washington. Arboretum Bul. 6(3): 5-6, 26. Mar. 1943. 451 Arl
- 1131 WILCOX, R. S. Roving with roses. Minn. Hort. 71: 131-132. Oct. 1943. 81 M66
- Hardy varieties suggested.
- 1132 WILDON, C. E. Potted roses in the home. Hort. News 9(11): 7. Nov. 1943. 80 H7815
- 1133 WILLIAMS, B. E. Points on cactus culture. Arboretum Bul. 6(3): 22-24. Mar. 1943. 451 Arl
- 1134 WILLIOT, R. J. Camellia varieties. South. Florist and Nurseryman 56(5): 5. Oct. 1943. 80 So86
- Variations in the descriptions cited, and means suggested of correcting existing confusion.
- 1135 WILSON, H. VAN P. Roses can be little trees. Home Gard. (N.Y.) 2(5): 34-35. Nov. 1943. 80 H756
- 1136 WILSON, H. VAN P. These flowers have the last word. Home Gard. (N.Y.) 2(5): 18-19. Nov. 1943. 80 H756
- Chrysanthemums and other hardy ornamentals will bloom until winter's threshold.
- 1137 WISTER, J. C. All about lilacs. Home Gard. (N.Y.) 2(5): 7-9. Nov. 1943. 80 H756
- 1138 WOLCOTT, MABEL. Gentians in America. Alpine Gard. Soc. Quart. Bul. 11: 170-171. Sept. 1943. 84 A16
- Gentiana farreri* and *G. acaulis*.
- 1139 WYMAN, DONALD. Six oaks. Home Gard. [N.Y.] 2(5). 28-30. Nov. 1943. 80 H756
- Red, white, and pin oak, shingle oak (*Quercus imbricaria*), live oak (*Q. virginiana*) and California live oak (*Q. agrifolia*) recommended for home grounds.
- 1140 ZEIDENBERG, D. Deciduous ornamental trees for shade and avenues. Hassadeh [Tel-Aviv] 23: 300-301. July/Aug. 1943. 26 H27
- Text in Hebrew.
- Small Fruits
- 1141 ANGELL, G. N. Tons of raspberries. Wash. Farmer 68: 415. Sept. 9, 1943. 6 R151
- Production and yield of the new Washington variety developed by the Western Washington Experiment Station. and cultural methods used.
- 1142 CLORE, W. J., and BRIDGMAN, W. B. Grape culture in irrigated eastern Washington. Arboretum Bul. 6(3): 18-21, 31-35. Mar. 1943. 451 Arl
- 1143 COLBY, A. S. Current evaluation of small fruits. Amer. Nurseryman 78(9): 7-8, 23-24. Nov. 1, 1943. 80 So86
- 1144 FORSYTH, GORDON. Every gardener his own propagator; take cuttings of your own bush fruits. Pop. Gard. 55: 267. Oct. 9, 1943. 80 G1622
- 1145 FRASER, H. The cultivation of black currants. Gard. Illus. 64: 214-215. Nov. 1943. 80 G169
- 1146 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. The loganberry. Gt. Brit. Min. Agr. and Fisheries, Advisory Leaflet 129, 4 p. St. Annes-on-Sea, Lancashire, 1943. 10 G79La
- 1147 KENNERLY, A. B. Start grapes right. Farm and Ranch 62(11): 15. Nov. 1943. 6 T31
- Pruning instructions.
- 1148 LOREE, R. E., and MERRILL, T. A. The Van Buren and Fredonia grape varieties for Michigan. Mich. Agr. Expt. Sta. Quart. Bul., v. 26, No. 2, Insert 4 p. Nov. 1943. 100 M58S
- Includes 2 pl.
- 1149 MANEY, T. J. Small fruits for quick returns. Nebr. State Hort. Soc. 73d Ann. Rpt. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 421-426. 2 N27R



1150 NYENHUIS, E. M. Trellising of vines. Farming in So. Africa 18: 550, 552. Aug. 1943.

24 So842

1151 POZZI-ESCOT, EMANUEL. Quince años entre los híbridos de la viña en el Perú. Agronomía [Lima, Peru] 8(30): 83-96. May/June 1943. 9.8 Ag83

Story of a private experimental vineyard of the author.

1152 ROTT, R. P. The planting of better wine grapes is sound business. Wines & Vines 24(10): 12-13. Oct. 1943. 95.8 C122

1153 SALCEDO, E. Q. Creación de viñas y frutas 39 (455): 66-70. July 1943. 9 Ag89

Discussion of stocks for grapes.

1154 TERRY, H. B. Berry culture. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 154, 2 p. Pretoria, 1943. 24 So82P

Cultivation directions.

1155 ZUBIATE, MARIANO. El cultivo de la vid en el Perú. Agronomía [Lima, Perú] 8(30): 11-37. May/June 1943. 9.8 Ag83

Grape culture in Peru.

#### Vegetable and Truck Crops (Including Potatoes)

1156 BLACK, WILLIAM, and COCKENHAM, GEORGE. Some modern aspects of potato production. Highland and Agr. Soc. Trans., 5th Ser. (1943) 55: 37-53. 1943. 10 H536

Partial contents: Virus diseases; Varietal reactions to potato viruses; Potato blight; Storage of potato tubers; Potato varieties.

1157 BLIN, HENRI. La fumure du gombo. New Caledonia. Chambre d'Agr. Rev. Agr., Apr./May 1943, p. 5022-5028. 25 M43

Okra recommended for New Caledonia culture.

1158 BOZA BARDUZZI, THEODORO, and BEINGOLIA GUERRERO, RAÚL. Estado actual del cultivo de la papa en la Provincia de Canta. Lima, Peru, Estac. Expt. Agr. de La Molina, Informe 56, 15 p. July 1943. 102.5 L622In

1159 BROWN, B. E. Concerning "lost" potato acres. Amer. Potato Jour. 20: 283-289. Oct. 1943. 75.8 P842

Causes which may contribute to loss of crops on about 2 percent of planted acreage.

1160 CLARKE, A. J. Camp Potato. Pa. Farmer 129(9): 7. Nov. 13, 1943. 6 P383

Experimental project established 1916 by Pa. Coop. Potato Growers Assoc., Inc., and directed by Dr. E. L. Nixon. The Nittany variety was developed among others.

1161 COPLEY, G. H. Late spring cabbage planting. Farmers Weekly (London) 19(18): 32. Oct. 29, 1943. 10 F2226

1162 COULTER, F. C. Turnip - perhaps the most ancient of cultivated root crops. Seed World 54(10): 10-11, 46. Nov. 19, 1943. 61.8 Se52

1163 DOUGLAS, JOHN. Green peas for canning. Agr. Gaz. N. S. Wales 54: 399-403. Sept. 1, 1943. 23 N472

Technique of growing and harvesting canning peas differs considerably from the standard method of growing for the fresh green pea market.

1164 EVANS, GEOFFREY. Potato eyes as readily transportable 'seed' for the colonies. Nature [London] 152: 464-466. Oct. 23, 1943. 472 N21

1165 FRAZIER, W. A. Pointers on potato production. Hawaii Farm and Home 6(11): 8-9. Nov. 1943. 25 H3191

1166 GIBSON, E. P. We told you so and Sebago potatoes did make good. Stock & Dairy Farmer 33 (3): 6, 9. Nov. 1943. 6 N8195

1167 GILEADI, D. Experiments in the growing of root vegetables. Hassadeh [Tel-Aviv] 23: 292-294. July/Aug. 1943. 26 H27

Text in Hebrew.

1168 GIRAL, FRANCISCO, and ALVAREZ, C. S. Con-tenido en Vitamina C de legumbres y verduras mexi-canas. Ciencia 4: 66-69. Aug. 1943. 475 C48

1169 GONZALEZ, AVELINO. El cultivo del espar-rago con miras a su mayor rendimiento. Campo y A-radas 7(78): 24. Aug. 1943. 9.9 C152

1170 GRAHAM, G. H. The Hopi [lima] bean. Nebr. State Hort. Soc. 73d Ann. Rpt. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 426-428. 2 N27R

1171 GRIFFITHS, A. E. With cantaloupes, "13" is a lucky number; new variety, "Arizona 13," has many merits. South. Seedsman 6(11): 13, 37, 44. Nov. 1943. 61.8 So8

1172 HANLEY, J. H. From a garden notebook. Arboretum Bul. 6(3): 9-10, 30. Mar. 1943. 451 Arl

Vegetable planting guide.

1173 HOLLAND, C. A. Production of vegetables in north-western Tasmania. Tasmanian Jour. Agr. 14: 78-81. Aug. 1, 1943. 23 T182T

1174 IMPERIAL AGRICULTURAL BUREAUX. The pro-duction of seed of root crops and vegetables. Imp. Agr. Bur. Joint Pub. 5, 95 p. Aberystwyth, July 1943. 10 Im73

Reports from England, Scotland, Netherlands, Sweden, United States of America, Canada, Australia, New Zea-land, and South Africa, J. L. Fyfe, D. Barson, W. Robb R. L. Scarlett, C. H. Coons, V. R. Boswell, T. M. Ste-venson, R. M. MacVicar, T. F. Ritchie, B. T. Dickson, J. R. A. McMillan, G. A. Holmes, and A. A. Copeland, contributing.

1175 KHAN, A. R., and DALAL, J. R. Optimum size and shape of plots for Brassica experiments in the Punjab. Indian Jour. Statis. 6: 317-320. June 1943. 251.8 In2

1176 LARGE, E. C. Increasing potato yields in the South-west. Farmer & Stock-Breeder 57: 1719. Nov. 2, 1943. 10 F228

1177 LYMAN, O. H. Hawaii's war-time vegetable production. Hawaii Farm and Home 6(11): 24-25. Nov. 1943. 25 H3191

1178 McCALLUM, H. A. Whey Sydney was a cabbage patch. Land [Sydney], No. 1654, p. 21-22. Aug. 25, 1943. 23 L22

History and development of market gardening in New South Wales.

1179 MONTALDO, A. Variedades de papas introdu-cidas al país. Campesino [Santiago, Chile] 75: 518-519. Aug. 1943. 9.3 Sol2

1180 MORRISON, GORDON. Seed breeding and adap-tation are basis of superior frozen [vegetable] pack. West. Canner and Packer 35(12): 21-22. Nov. 1943. 286.83 W522

1181 OXYCEDRUS, J. Witloof chicory grown in pits. Horticulture 21: 403. Nov. 1, 1943. 80 H787

1182 PARKIN, J. Thracian cress as a salad plant. Gard. Chron. 114: 142. Oct. 16, 1943. 80 G162

A species of the cruciferous genus Barbarea.

1183 RAÑA, E. S. El cultivo de los zapallos. Campo [Buenos Aires] 27(323): 46-47, 85. Sept. 1943. 9 C15

1184 SCOTT, G. W. Tomato: king of processed vegetables. West. Canner and Packer 35(12): 17-19, 54. Nov. 1943. 286.83 W522

Discussion of varieties suited to canning.

1185 SHEWELL-COOPER, W. E. We grow our own seed. Field 182: 412. Oct. 16, 1943. 10 F45

Peas, beans, and root crops.

1186 SMITH, ORA, HOMMEL, R. F., and KELLY, W. C. Relation of rate and placement of fertilizer, vari-ety, seed spacing, and size of seed-piece to yields of potatoes. Amer. Potato Jour. 20: 267-277. Oct. 1943. 75.8 P842

1187 SNYDER, J. C. Summer activities in the [vegetable] garden. Arboretum Bul. 6(4): 22-23. June 1943. 451 Arl

1188 STRONG, E. F. Albemarle's Victory Garden Fair. Gard. Gossip 18(11): 3-4. Nov. 1943. 80 G1625

1189 TAYLOR, G. C. Next season in the kitchen garden. Country Life [London] 114: 690-691. Oct. 15, 1943. 80 C83



- 1190 TOLEDO PRADO, OLYMPIO DE. Instruções para cultura de hortaliças. (To be cont.) Soc. Rural Brasil. Rev. 23(275): 30-35. July 1943. 9.2 B733  
Instructions for cultivation of common truck crops grown in Brazil.
- 1191 TOMALIN, T. E. Fresh salads under glass and out-of-doors. Pop. Gard. 55: 262. Oct. 9, 1943. 80 G1622
- 1192 WALKER, W. F. Tomato variety investigations, 1942-1943. Tasmanian Jour. Agr. 14: 89-97. Aug. 1943. 23 T182T
- 1193 WARNE, L. G. G. Propagation of potatoes. Nature [London] 152: 450. Oct. 16, 1943. 472 N21
- 1194 WERNER, H. O. First essentials for successful vegetable growing in Nebraska. Nebr. State Hort. Soc. 73d Ann. Rpt. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 432-436. 2 N27R
- 1195 WOLFORD, B. C. Great Lakes lettuce proves it's made to order for Florida, Texas, and Georgia. South. Seedsman 6(11): 10, 47, 51. Nov. 1943. 61.8 S08
- 1196 WOODBURY, GEORGE. Pioneering in vegetable varieties - by popular demand and for a real need. West. Canner and Packer 35(12): 23, 54. Nov. 1943. 286.83 W622
- 1197 WOODS, J. J. Valuable results from seed tests, Seanichton Experimental Station. Country Life [Brit. Columbia] 27(6, i. e. 9): 24-25. Nov. 1943. 7 C832  
Vegetable and sugar-beet seed.
- 1198 WRIGHT, C. E. Potato growing. Methods in high production areas. Tasmanian Fruitgrower and Farmer 28(243): 15. Sept. 7, 1943. 23 T185
- 1199 WILIE, K. H. Gifts of the Americas; the tomato. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 239. Dec. 1943. 1 F752A  
Briefly discusses the history of the tomato and production in the United States.
- MISCELLANEOUS ECONOMIC PLANTS
- General
- 1200 BONDAR, GREGORIO. Cêra de ouricuri em pó. Campo, Rio de Janeiro, 12(135): 52. Mar. 1941. 9.2 C15  
Wax from Cocos coronata [Syagrus coronata].
- 1201 CORFIELD, G. S. Spanish moss [Tillandsia usneoides]; forest by-product of the South. Jour. Geog. 42: 308-317. Nov. 1943. 278.8 J82
- 1202 FERNANDES E SILVA, R. Notas sobre a cultura do Anda-assu [Joannesia princeps]. Brazil. Min. da Agr. Bol. 31(8): 1-6. Aug. 1942. 9.2 Ag83
- 1203 GUENTHER, ERNEST. Styx and oil of styx. Part II. Soap 19(11): 34-36, 71. Nov. 1943. 307.8 S012
- 1204 IPPISCH, FRANZ. Informe de una inspección a la importante zona de Coban. Rev. Agr. [Guatemala], 20: 41-46. July/Sept. 1943. 8 G934  
Experimental plantings of different economic plants.
- 1205 JAVET, GUILLERMO. Explotación de un colmenar moderno. Campesino [Santiago, Chile], 75: 514. Aug. 1943. 9.3 S012  
Honey plants.
- 1206 KERZMAN, NORBERTO. El piretro (Pyrethrum cinerariaefolium Trev.) Algunas consideraciones sobre su explotación. Agronomía [Buenos Aires], 31: 20-29. Oct. 1942. 9 B864  
Directions for cultivation of pyrethrum.
- 1207 MENDES, J. E. T. A pequena propriedade cafeeira. São Paulo. Superintendência dos Serviços do Café. Bol. 18: 426-432. June 1943. 68.29 Sa63  
The procedure on a small coffee plantation in Brazil.
- 1208 MIDBARY, S. The olibanum and the Myrtus in the life of our forefathers. Hassadeh [Tel-Aviv], 23: 318-319. July/Aug. 1943. 26 H27  
Text in Hebrew.
- 1209 MONTENEGRO, LAURO. O Coqueiro [Cocos nucifera]. Brazil. Min. da Agr. Bol. 31(2): 5-10. Feb. 1942. 9.2 Ag83  
Cultural care needed for coconut palm.
- 1210 MUELLO, A. C. El geranio pelargonio [Pelargonium graveolens]. Pampa Argentina 17(193): 22. Sept. 1943. 9 F19
- 1211 SILVA BARRIOS, F. A. Pelitre o piretro. Asoc. Rural del Uruguay Rev. 70(5): 50-51. May 1943. 9.9 As5  
Directions for cultivation of Pyrethrum.
- 1212 SMALL, JAMES. Angelica and celery. Pocket-lens studies. Food 12: 265-269. Oct. 1943. 389.8 F738  
Celery a possible substitute for angelica, especially in the candied form as a confection.
- Drug, Herb, and Condiment Plants
- 1213 ARAUJO FEIO, P. L. Tamarindus indica L. "O Tamarindeiro." Rev. da Flora Med. 10: 265-287. June 1943. 71.8 R32  
References, p. 285-287.
- 1214 AUGUSTO, HERMAN. La quina en el Perú. (Sexto artículo.) (To be cont.) Vida Agr. [Lima], 20: 441, 443, 445-452. June 1943. 9.8 V66  
(A), pt. 3. Bio-química. Reseña histórica del uso medicinal de la corteza de quina. Los alcaloides de las cinchonas.
- 1215 CAMPBELL, G. O. Some henbane advice. Mont. Farmer 31(4): 9. Oct. 15, 1943. 6 M764  
Black henbane growing wild in Montana supplies limited demand for drug.
- 1216 CLOS, E. C. Plantas aromáticas cuyo cultivo es oportuno actualmente en el país. Campo [Buenos Aires], 27(323): 14. Sept. 1943. 9 C15
- 1217 CURSINO DE MOURA, J. P. Sudoríficos Brasileiros: sua ação terapêutica. Rev. da Flora Med. 10: 309-371. July 1943. 71.8 R32  
Sudorific plants listed, p. 337-371.
- 1218 FERNANDO, M. The influence of manuring, spacing of hills and seedling number per hill on the yield of castor. Trop. Agr. [Ceylon], 99: 3-12. Jan./Mar. 1943. 26 T751
- 1219 GOMES DE FREITAS, L. G. A cultura da hortela pimenta. Rev. Agron. [Porto Alegre, Brazil], 7: 420-423. Aug. 1943. 9.2 R325  
Directions for growing Mentha piperita and distillation of peppermint oil.
- 1220 GOODRICH, F. J. The Cascara, a Northwest tree. Arboretum Bul. 6(4): 11-12. June 1943. 451 Ar1  
Bark of Cascara sagrada is used for medicinal purposes.
- 1221 GREWAL, K. S. Luffa acutangula; the chemical and pharmacological investigation of Luffa seeds. Indian Jour. Med. Res. 31: 63-66. May 1943. 448.8 In22  
Use of Luffa seeds in indigenous medicine has a rational basis and makes it worth a clinical trial in human beings.
- 1222 HAZELTINE, NORMA. Herbs for salads from sunny windowsills. Agr. Leaders' Digest 24(9): 69-70. Nov. 1943. 275.28 Am3
- 1223 MAJUMDAR, D. N. Indian medicinal plants. IV. Vernonia anthelmintica Willd. Indian Jour. Pharm. 5: 61-64. Apr./June 1943. 396.8 In23
- 1224 MAZEY, K. Determination of the potency of Digitalis leaves grown in Bogotá [Colombia]. Amer. Jour. Pharm. 115: 326-333. Sept. 1943. 396.8 Am3
- 1225 MOOKERJEE, ASIMA. On the active principles of the bark of Aegle marmelos Corrêa. Current Sci. [India], 12: 209. July 1943. 475 Sci23
- 1226 PAES DE BARROS, PEDRO. A ipecacuanha [Cephaelis ipecacuanha]. Sua extração, cultura e comércio. Brazil. Min. da Agr. Bol. 31(1): 1-21. Jan. 1942. 9.2 Ag83
- 1227 POPENOE, WILSON. Cinchona. Hacienda 38: 473-478. Nov. 1943. 6 H11



1228 QAZILBASH, N. A. The Kurrum Valley as a source of santonin. *Indian Jour. Pharm.* 5: 54-60. Apr./June 1943. 396.8 In23

Santonin-rich and santonin-free forms of *Artemisia* are found, belonging to two botanically different species. *A. kurrumensis* n. sp. is proposed for the former, botanical details of which will be published elsewhere.

1229 RIVERA M., IRENE. Algunas plantas medicinales de Izucar de Matamoros y pueblos anexas. *Mex. Inst. de Biol. An.* 14: 37-67. 1943. 442.9 M57

1230 SCHULTES, R. E. *Plantae Colombianae*. IV. Una planta estimulante del Putumayo. Colombia. *Univ. Nac. Bogotá. Facult. de Agron. Rev.* 5: 59-79. 1943. 9.4 C717

Paullinia yoco and the stimulating drug from it used by the Indians of Putumayo.

1231 SHALAN, MRS. HARRY. The big five prong ginseng. *Fur-Fish-Game* 76, 1. e. 77(12): 38. Dec. 1943. 410 F962

1232 THAKE, W. E. Hints for prospective ginseng hunters. *Fur-Fish-Game* 76(11): 38-39. Nov. 1943. 410 F962

#### Dye and Tannin Plants

1233 FOWLER, M. E. Studies on deterioration of tanbark. *Amer. Leather Chem. Assoc. Jour.* 38: 400-412. Nov. 1943. 303.9 Am32

A series of tests to determine the effect of various methods of curing on the quality of chestnut oak bark and hemlock bark do not furnish conclusive evidence as to tannin loss from molds.

#### Rubber Plants

1234 CAMARGO, F. C. Plantações de borracha. *Observador Econ. e Financ.* 8(90): 92-98. July 1943. 280.8 Ob72

1235 DELGADILLO, J. B. La mangaba [*Hancornia speciosa*]. Paraguay. *Min. de Agr. Com. e Indus. Rev.* 2(9): 23-25. Mar. 1943. 9.7 Ag8R

1236 FENNELL, THOMAS. *Cryptostegia* and related new activities of Haiti's SHADA. U. S. Dept. Com. *Foreign Com. Weekly* 13(6): 3-5, 29. Nov. 6, 1943. 157.54 F763

Report of work done at the rubber plantation established by the Société Haitiano-Américaine de Développement Agricole.

1237 \*\*KULI' TIASOV, M. V. The questions of the origin of *S. tau-saghyz* in the light of new facts. *Sovet. Bot.* 1941, No. 3, p. 21-29.

Abs. in *Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs.* 13: 354. Oct. 1, 1943. 241 Im73

Taxonomical and palaeontological evidence relevant to the geography and evolution of the new species, *Scorzonera kirghisorum* C. Afan.

1238 MARIN, LUIS. Apuntes sobre el cultivo del arbol de huile conocido con el nombre de Castilloa. (To be cont.) *Agr. y Ganad. Mexico*, 18(11): 19-24. Sept. 30, 1943. 8 Ag834

1239 MOLDENKE, H. N. Rubber. *Amer. Mus. Nat. Hist. Nat. Hist.* 52: 182-190. Nov. 1943. 500 N483J

On rubber production in South America with special reference to Brazil.

1240 PACHECO HERRARTE, MARIANO. Cultivo de la *Hevea brasiliensis*. *Rev. Agr. Guatemala*, 20: 19-27 July/Sept. 1943. 8 G934

1241 PENNA TEIXERA, LEOPOLDO. Exertia da seringueira [*Hevea brasiliensis*]. *Brazil. Min. da Agr. Bol.* 31(5): 25-34. May 1942. 9.2 Ag83

1242 PENNA TEIXERA, LEOPOLDO. Rendimento e vitalidade das seringueiras [*Hevea brasiliensis*]. *Brazil. Min. da Agr. Bol.* 31(6): 1-28. June 1942. 9.2 Ag83

1243 RINGUELET, ANDRES. El guayule en Mejico. *Agronomía Buenos Aires*, 31: 39-47. Oct. 1943. 9 B864

1244 THODY, R. W. H. Ceylon forging ahead with rubber production for the allies. *Gt. Brit. and the East* 60(1691): 25-26. Oct. 23, 1943. 286.8 N27

#### Weeds and Poisonous Plants

1245 ARCEAUX, GEORGE, and HEBERT, L. P. Preliminary studies of periodic flaming as a means of controlling Johnson grass [*Sorghum halepense*], and Alternanthera weed [*Alternanthera philoxeroides*] on sugar-cane lands. *Sugar Bul.* 22: 21-23. Nov. 1, 1943. 65.9 Am32

1246 BRENNER, LOUIS. The effects of early and late mowing on *Andropogon virginicus*. *Mo. Bot. Gard. Bul.* 31: 162-163. Oct. 1943. 451 M69B

Preliminary experiments to determine whether mowing can be used as a means of eradication.

1247 DUNBAR, HORACE. Weeds. *West. Livestock Jour.* 22(1): 114-116. Nov. 1943. 6 F2278

Economic uses for weeds.

1248 GREENHAM, C. G. The effect of skeleton weed (*Chondrilla juncea* L.) on wheat. *Austral. Council Sci. and Indus. Res. Jour.* 16: 142-148. Aug. 1943. 514 Au72J

"In greenhouse experiments with pots, no evidence was obtained for the excretion or production by the skeleton weed of a substance toxic to wheat."

1249 LEHMANN, A. J. V. Families of flowering plants. Article 10. The daisy family (Compositae). *Canad. Nature* 5: 168-169. Nov./Dec. 1943. 410 C162

Lists many weeds, among them *Eupatorium urticaefolium*, poisonous to livestock.

1250 MASSEY, A. B., and HATCH, R. D. Poisonous plants, native and naturalized plants of Virginia with special reference to livestock poisoning. *Va. Polytech. Inst. Bul.*, v. 36, No. 8, 52 p. Blacksburg, June 1943. 452.8 M38

1251 ROSS, M. E. The weeds in certain fields at Knapp Farm. *Tenn. Acad. Sci. Jour.* 18: 334-337. Oct. 1943. 500 T25A

Study of kinds of weeds and their relative abundance on farm near Nashville, Tenn., in 1923.

1252 SAXBY, S. H. Weeds. Biennial weeds. (To be cont.) *New Zeal. Jour. Agr.* 67: 183-186. Sept. 15, 1943. 23 N48J

1253 SCHULTZ, E. F. La extirpación del cebollín, totorilla o juncea [*Cyperus rotundus*]. *Pampa Argentina* 17(193): 14. Sept. 1943. 9 P19

1254 SUMMERS, E. M., BURDEN, J. C., and GRAUGNARD, F. A., JR. Weed control report in Louisiana sugarcane. *Sugar Bul.* 22: 29-30. Nov. 15, 1943. 65.9 Am32

Control of *Sorghum halepense*, *Alternanthera philoxeroides*, and others.

1255 WHITE, C. T. "Lion's tail" [*Leonotis nepetaefolia*] - a possible serious weed pest. *Queensland Agr. Jour.* 57: 161. Sept. 1943. 23 Q33

1256 WRIGHT, CHARLES. Plant problems in relation to diseases of livestock. *Vet. Rec.* 55: 357-358. Sept. 25, 1943. 41.8 V641



## SOILS AND FERTILIZERS

## SOIL SCIENCE

1257 BEILMANN, A. P. Removing some of the bunk from soil analysis. *Mo. Bot. Gard. Bul.* 31: 180-184. Nov. 1943. 451 M69B

1258 \*IVANOVA, E. N. Soil investigations in the North of the European part of the USSR. *Pochvovedenie (Pedology)* 1943, No. 4/5, p. 54-56. Russian with English summary.

1259 PAULSEN, E. F., REICHART, M. A. L., and SOMOZA, A. L. Estudio de algunos suelos salinos de Santiago del Estero. *Jornadas Agron. y Vet. (Buenos Aires. Univ. Facult. de Agron. y Vet.)* 1941, p. 193-223. Buenos Aires, 1942. 9 J82

1260 STEWART, A. B. Some practical applications of soil research. *Highland and Agr. Soc. Scot. Trans.* 5th ser. (1943) 55: 1-15. Edinburgh, 1943. 10 H536

## Soil Physics

1261 \*ANTIPOV-KARATAEV, J. N. The science of the soil as a polydispersed system and its development in USSR in the last 25 years (1917-1942). *Pochvovedenie (Pedology)* 1943, No. 6, p. 3-26. Russian with English summary.

"Author makes an attempt to formulate the essence of the teaching of soil as a polydispersed system (dispersoidology of soils) and give a brief summary of the main trends and results acquired by the soviet scientists in their investigations of this problem during 25 years of the development of Soviet Union (1917 - 1942)."

1262 CONTI, MARCELLO. Determinación experimental de algunas características que interesan la mecánica del terreno agrícola. Un nuevo modelo de pala dinamométrica. *Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.)* 1941, p. 49-57. Buenos Aires, 1942. 9 J82

"The author recognises the need for some procedure which could determine, on the spot, the physical and mechanical properties of the soil and which could be used as a guide for more profitable and definite experiments with agricultural machines.

"After proving that the modern methods of the soil science cannot be applied definitely in the sense indicated he reaffirms his complete confidence in the principle of the dynamometric shovel proposed a century ago by Gasparin."

1263 RICHARDS, L. A., and WEAVER, L. R. Fifteen-atmosphere percentage as related to the permanent wilting percentage. *Soil Sci.* 56: 331-339. Nov. 1943. 56.8 So3

1264 \*TYULIN, A. A. Methods of peptization analysis and the problem of general regularities of the chemical and physical soils properties. *Pochvovedenie (Pedology)* 1943, No. 4/5, p. 3-16. Russian with English summary.

"The enumerated characteristics embrace the main properties of chernosem soils - the structure and its solidity, water properties, absorption capacity. Author describes in the article the methods for determining the enumerated indices."

## Soil Chemistry and Mineralogy

1265 \*ASKALONOV, V. V., and WEISSFELD, G. B. SiO<sub>2</sub> sols and gels and their application for fixing grounds. *Pochvovedenie (Pedology)* 1943, No. 4/5, p. 41-53. Russian with English summary.

"The conditions of the formation and of the production of SiO<sub>2</sub> gels and SiO<sub>2</sub> sols in acid and alkaline media as influenced by a number of factors; neutralization degree (pH), concentration of gel-forming solutions, temperature a. o., were studied.

"The characteristics of the quality of gels as to

their physico-mechanical and chemical properties are given.

"The author shows that it is possible to apply the silica-sols and the siligels for an artificial fixation of grounds."

1266 BROWN, I. C. A rapid method of determining exchangeable hydrogen and total exchangeable bases of soils. *Soil Sci.* 56: 353-357. Nov. 1943. 56.8 So3

"A rapid method is described for determining the exchangeable hydrogen and the total exchangeable bases of a soil. These procedures entail simple pH determinations of a suitable buffer soil mixture. It is estimated that 15 to 20 determinations per hour can be made. A comparison of the results obtained by the pH methods and the results obtained by other methods indicates excellent practical agreement."

1267 THE ELECTROCHEMICAL properties of clay minerals and the differentiation of hydrogen clays and bentonites by electrochemical methods. *Jour. Phys. Chem.* 47: 543-552. Nov. 1943. 381 J822

Pt. I. Kaolinite and kaolinitic clays, by J. N. Mukherjee, R. P. Mitra, and D. K. Mitra; Montmorillonitic clays and bentonites, by R. P. Mitra, S. N. Bagchi, and S. P. Ray.

1268 \*KONONOVA, M. M. Application of the microscopical method in the study of the problem of the origin of humic substances. *Pochvovedenie (Pedology)* 1943, No. 6, p. 27-41. Russian with English summary.

1269 MacINTIRE, W. H. The effect of liming materials upon the solubility of potassium compounds in the soil. *Better Crops with Plant Food* 27 (9): 9-12, 45-47. Nov. 1943. 6 B46

1270 MILLER, E. V., and JACOB, K. D. Effect of sodium acetate on plant growth and soil pH value as indicated by greenhouse experiments. *Amer. Soc. Agron. Jour.* 35: 909-910. Oct. 1943. 4 Am34P

1271 MUKHERJEE, J. N., SEN GUPTA, N. C., and INDRA, M. K. Effect of concentration and pH on the viscous and electrochemical properties of hydrogen bentonites. *Jour. Phys. Chem.* 47: 553-577. Nov. 1943. 381 J822

1272 \*SOKOLOV, A. V. Determination of water-soluble phosphoric acid in soils. *Pochvovedenie (Pedology)* 1943, No. 4/5, p. 36-40. Russian with English summary.

1273 SPURWAY, C. H., and WILDON, C. E. Controlling the reaction (pH) of greenhouse soils. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 115-121. Nov. 1943. 100 M58S

1274 WYND, F. L., and NOGGLE, G. R. Associations between phosphorus fractions and other chemical components in soil. *Soil Sci.* 56: 383-391. Nov. 1943. 56.8 So3

## Soil-Plant Relationships and Soil Requirements

1275 ZOHARY, M. The vegetational aspect of Palestine soils. *Palestine Jour. Bot. Jerusalem Ser.* 2: 200-246. Nov. 1942. Ref., p. 245-246. 450 P17

Gives a brief and preliminary review of the main soil varieties in Palestine in relation to their vegetation.

## Soil Microbiology

1276 ALBRECHT, H. R. A method for inoculating small lots of legume seed. *Amer. Soc. Agron. Jour.* 35: 914-917. Oct. 1943. 4 Am34P

1277 BERTULLO, W. A. Métodos microbiológicos para la apreciación de la fertilidad del suelo. *Res 11: 14,622-14,625.* July 20, 1943. 286.85 B31

1278 BRAKE, J. Legume seed inoculation. Effects of lime at Inverloch. *Victoria. Dept. Agr. Jour.* 41: 455-456. Sept. 1943. 23 V66J



1279 EPSTEIN, SAMUEL. Soil yields miracle drugs. Powerful new medicines used in treating dangerous diseases of animal and man, are being obtained from soil bacteria by agricultural scientists. *Capper's Farmer* 54 (11):9, 26. Nov. 1943. 6 M693

1280 ESCOBAR, ABELARDO. Nitrificación. *Agr. Mex.* 59 (9): 11-12. Sept. 1943. 8 Ag8

1281 ETINGER-TULCZYNSKA, R., and ELZE, D. L. Occurrence and stimulation of azotobacter in some agricultural soils of Palestine. *Palestine Jour. Bot., Rehovot Ser.* 4: 1-10. Dec. 1941. 450 P172

1282 HURWITZ, CHARLES, and BATCHELOR, H. W. Studies on biological fixation of potassium. *Soil Sci.* 56: 371-382. Nov. 1943. 56.8 So3

1283 MARSH, A. W., and POLLEN, W. B. Effect of manganese on the microflora and respiration of some Oregon soils. *Amer. Soc. Agron. Jour.* 35: 895-900. Oct. 1943. 4 Am34P

#### Soil Genesis, Formation, Classification, and Mapping

1284 \*ZONN, S. V., and LEBEDEV, N. N. A trial industrial-genetical classification of vineyard soils of the USSR. *Pochvovedenie (Pedology)* 1943, No. 4/5, p. 17-35.

Russian with English summary.

#### SOIL MANAGEMENT

1285 BARBER, W. E. The value of deep roots. *Estate Mag.* 43: 281-283. Nov. 1943. 10 Es8  
Soil management.

1286 BASAURI, DANIEL. La turba, su empleo en la agricultura. *El Café de El Salvador* 13(152): 56-58. Aug. 1943. 68.28 C112

1287 BEAR, F. E. Fertilizers and food production. *Amer. Fert.* 99 (6): 5-7, 18. Sept. 11, 1943. 57.8 Am3

1288 BEYTS, L. S. Gentians in Duffers Drift. *Alpine Gard. Soc. Quart. Bul.* 11: 187-190. Sept. 1943. 84 A16

Compost for alpine.

1289 BLAIR, E. C. How rotation paid. *North Carolina. Better Crops with Plant Food* 27 (9): 6-7, 47-48. Nov. 1943. 6 B46

1290 COLEMAN, O. T. Meeting the needs of the 4 F's. *Better Crops with Plant Food* 28 (8): 6-10, 45-48. Oct. 1943. 6 B46

"Maximum production of foods, feeds, fiber, and fats can be reached only when the soil is well supplied with organic matter and there is an adequate and well-balanced supply of the essential plant-food elements available to the crops grown."

1291 DAVIS, J. F. Soil management for field beans. *Better Crops with Plant Food* 28(8): 19-24, 44. Oct. 1943. 6 B46

"The material for this report is taken from an article published in the" *Mich. Agr. Expt. Sta. Quart. Bul.* v. 25, No. 9, May 1943.

1292 DUBIAU, R. H. Mejores pastos. Tres problemas fundamentales. *Campesino (Santiago, Chile)* 75: 426-428. July 1943. 9.3 Sol2

Soil conservation, pasture improvement, and reforestation.

1293 HAY, W. D. Rotational farming. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 349-354. Nov. 1943. 10 G79J

1294 HURST, F. J. Mississippi farmers improve their soils. *Better Crops with Plant Food* 27 (9): 13-18, 42. Nov. 1943. 6 B46

1295 KIPLINGER, D. C. Soil tips for bench crops. *Drainage, fertilizers, sterilization, mulching. South. Florist and Nurseryman* 56(4): 5, 16. Oct. 22, 1943. 80 So86

Greenhouse growing.

1296 LOYD, GLENNON. Put it on - not off. *Better Crops with Plant Food* 27(9): 8, 43-44. Nov. 1943. 6 B46

Use of fertilizers.

1297 MENDES, C. T. As adubações na cultura do milho. *Rev. Rural Brasil.* 23(276): 22-24. Aug. 1943. 9.2 B733

1298 NOER, O. J. It takes the right kind of soil to grow good turf. *Golfdom* 17(10):16-17. Oct. Dec. 1943. 60.18 G58

1299 POWDER, H. C. Getting at the roots of things with the Bermuda grass philosopher. *Ranchman* 3 (6): 10, 28. Oct. 1943. 49 R15  
Soil improvement.

1300 RAYNS, F. Sheep folding at Sprowston. *Interin report, 1931-1941. Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 341-343. Nov. 1943. 10 G79J  
Value of beet tops, swedes and commercial fertilizers in a 5-year crop rotation (sugar beets, barley, hay, wheat, and barley). Sheep were used to consume beet tops and swedes.

1301 SCHAPHORST, W. F. To determine acreage of soil in garden or greenhouse. *Canad. Florist* 38:326. Nov. 5, 1943. 80 C163

1302 SCHMIDT, C. B. O fogo diminui a permeabilidade do solo. *Rev. Agron. (Porto Alegre, Brazil)* 7: 360-361. July 1943. 9.2 R325  
Fire lessens soil permeability.

1303 SEYMOUR, E. L. D. And it's all in our keeping - the land fruitful. *Amer. Home* 31(1): 24-25. Dec. 1943. 80 Am313

1304 SHEWELL-COOPER, W. E. Adding humus to soil is nature's plan. *New Health* 18 (11): 16. Nov. 1943. 449.8 N45

1305 STUDE, O. H. Understand the soil in your garden. *Gard. Chron. Amer.* 47: 281, 296. Nov. 1943. 80 G1632

1306 WHITEHEAD, S. B. Some soils need special treatment. The right way is your ground is clayey. *Pop. Gard.* 45: 294. Nov. 6, 1943. 80 G1622

#### Soil Fertility

1307 \*\*ALBERSMANN, W. Erfolgreiche düngungsmaßnahmen auf wiesen und Bldändereien im Vogelsberg. [Successful manurial treatment of meadows and waste lands in the Vogelsberg.] *Phosphorsäure (ser. 3)* 10: 324-328. 1941.

Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 98. June 1943. 241 Im733

1308 ALLEN, R. C. Fundamentals of fertilization. *Amer. Delphinium Soc. Delphinium [Yearbook]* 1942, p. 51-56. 96.527 Am3D

1209 ARREGUI, A. A. Importancia del complejo organico de los suelos. *Asoc. Rural del Uruguay Rev.* 70 (5):26-32. May 1943. 9.9 As5

1310 BEAUCHAMP, C. E. La relación entre el color y la productividad del terreno. *Asoc. de Téc. Azucareros Cuba. Bol. Ofic.1:* 140-152. Oct. 1943. 65.9 As5B

1311 BERRY, G. H. Fertilizers for alpine. *Alpine Gard. Soc. Bul.* 11: 150-157. Sept. 1943. 84 A16

1312 BITTENCOURT, H. V. de C. Conserva a fertilidade do vosso solo evitando e combatendo a erosao. *Rev. Rural Brasil.* 23(275): 26-29. July 1943. 9.2 B733

Also in: *São Paulo. Sec. da Agr., Indus. e Com. Dir. de Pub. Agr. Bol.* 1: 3-12. 1942. 9.2 Sa63B

1313 BRYAN, O. C. Practical ways of diagnosing fertilizer needs of citrus. *Citrus Mag.* 6 (4): 10-11. Oct. 1943. 80 C498

1314 CONARD, KENNETH. Good pastures are better with the right fertilizers. *Ohio Farm Bur. News* 23(3): 22. Oct. 1943. 6 Oh34

1315 COPIAROW, MAURICE. Certain growth-promoters and fertilisers. Pt.II. Calcium cyanamide and manganous sulphate in relation to pasture and moorland improvement. *Soc. Chem. Indus. Jour. Trans. and Commun.* 62: 173-175. Oct. 1943. 382 M31



- 1316 CROWTHER, E. M. Maintenance of soil fertility. *New Health* 18(10): 12, 14; (11): 4-5. Oct., Nov. 1943. 449.8 N45  
Article in November issue has title: Plant Nutrients in Soil.
- 1317 DAVIS, V. H. Nitrogen for orchards from ammonium nitrate. *Ohio Farm Bur. News* 23(4): 18. Nov. 1943. 6 Oh34
- 1318 DICKEY, J. B. R. To make the most of manure. *Pa. Farmer* 129(10): 20-21. Nov. 27, 1943. 6 P383
- 1319 DUNN, L. E. Lime-requirement determination of soils by means of titration curves. *Soil Sci.* 56: 341-351. Nov. 1943. 56.8 So3
- 1320 EATON, T. H. Earthworms and their neighbors. *Chicago Nat.* 6: 64-66, 72. Nov. 1943. 410 C43
- 1321 FINCH, A. H. Ammonium nitrate for citrus trees. *Arizona Farmer* 22(23): 13-14. Nov. 6, 1943. 6 Ar44
- 1322 \*GERICKE, S. Phosphate fertilizer in sugar-beet cultivation. *Zuckerrübenbau* 25: 1-7. 1942. Abs. in *Chem. Abs.* 37 (22): 6801. Nov. 20, 1943. 381 Am33C
- 1323 \*GERICKE, S. Phosphoric acid fertilization of oil plants. *Forschungsdienst* 13: 117-123. 1942. Abs. in *Chem. Abs.* 37: 5818. Oct. 10, 1943. 381 Am33C
- 1324 HASLAM, R. J. Meeting wartime needs in tobacco fertilization. *Canada. Expt. Farms. Tobacco Div. "The Lighter"* 13 (3): 9-10. Oct. 1943. 266.89 C16
- 1325 JONES, R. D. Spread manure now for increased crop production. *Spreckels Sugar Beet Bul.* 7: 49. Nov. 1943. 66.8 Sp7
- 1326 KNOTT, J. E. and LORENZ, O. A. Ammonium nitrate for vegetables. *Pacific Rural Press [North. Ed.]* 146 (11): 292. Nov. 27, 1943. 6 P112
- 1327 KOCH, D. E. V. The nitrogen content of Ceylon rain. *Trop. Agr. [Ceylon]* 99: 18-19. Jan. Mar. 1943. 26 T751
- 1328 LING, A. W. Those acid soils must be limed. *Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 133-135. 84 B77
- 1329 McCOLLAM, M. E. Potash for citrus crops. *Calif. Cult.* 90: 576-577. Nov. 13, 1954. 6 C12
- 1330 PIZER, N. H. Manganese deficiency as affecting arable crops. *Land Agents Soc. Jour.* 42: 244-246. Oct. 1943. 282.9 L22
- 1331 SHERMAN, G. D. The role of manganese in crop production. *Com. Fert.* 67 (5): 28, 30, 32; (6): 24, 26, 28, 30. Nov., Dec. 1943. 57.8 C73
- 1332 SMALLEY, H. R. Organic matter the life of the soil. *Amer. Fert.* 99 (6): 8-10, 20, 22, 24. Sept. 11, 1943. 57.6 Am3
- 1333 SPENCER, J. M. H. Double-cropping to maintain soil fertility. *Farmer's Weekly [Bloemfontein]* 65: 1062-1063. Aug. 25, 1943. 24 F225
- 1334 STEPHENSON, R. E. Maintaining available potassium in soils. *Better Crops with Plant Food* 27 (9): 19-20, 44-45. Nov. 1943. 6 B46
- 1335 VAN DERLINDEN, LEE. Who puts iron, copper and vitamins in your spinach. *Arboretum Bul.* 6(3): 15-17. Mar. 1943. 451 Ar1
- 1336 WALLACE, T., CROXALL, H. E., and PICKFORD, P. T. H. Manurial experiments on vegetable crops. *Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 25-31, 33-38; 1942: 32-33, 34-37. 84 B77
- 1337 WATERMAN, W. C. Organic matter vital. *Spreckels Sugar Beet Bul.* 7: 51. Nov. 1943. 66.8 Sp7
- 1338 \*\*WEIGERT, J. Wirkung verschiedener düngungsarten auf den heu- und eiweissertrag der wiesen [Effect of different manurial treatments on the hay and protein yield of meadows]. *Phosphorsäure (ser.3)* 10: 318-323. 1941. Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 98-99. June 1943. 241 Im733
- 1339 WOOLEY, J. C. Fertility losses as a basis for erosion control planning. *Agr. Engin.* 24: 377-379. Nov. 1943. 58.8 Ag83  
Cooperation between the engineer and the agronomist is necessary for the management of runoff water and the building up of the fertility of the soil in a good soil management program.
- 1340 WORTHEN, E. L. Superphosphate for poultrymen. [N. Y.] *Rensselaer Co. Farm Bur. News*, Nov. 1943, p. 3, 8. 275.29 N. Y., Rensselaer Co. Superphosphate will keep down odors and increase the fertilizing value of manure.
- Soil Tilth and Tillage
- 1341 \*\*BAER, K. Der einfluss der bodenbearbeitung auf die entwicklung von stoppelfrüchten [The influence of tillage on the development of catch crops sown in stubble]. *Pflanzenbau* 19: 1-15. 1942. Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 117. June 1943. 241 Im733
- 1342 \*EHRENBERG, P. Förderung des umbruches von Grünland und bodenerosion [The plough-up policy and soil erosion]. *Forschungsdienst* 13: 291-300. 1942. Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 96. June 1943. 241 Im733
- 1343 KALE, K. S. Trash mulching of sugarcane. *So. African Sugar Jour.* 27: 351. Aug. 1943. 65.8 So8
- 1344 KAPP, L. C. Disking takes the place of plowing - sometimes. *Agr. Leaders' Digest* 24(9): 14. Nov. 1943. 275.28 Am3
- 1345 LEADLEY, TOM. Stubble mulch farmer. *Nebr. Farmer* 85 (21): 30. Nov. 6, 1943. 6 N27
- 1346 McCLURE, E. B. Maybe a permanent mulch will solve your garden problem. *Amer. Home* 30 (6): 16-17. Nov. 1943. 80 Am313
- Drainage, Irrigation, Water Supply, and Flood Control
- 1347 ANDRADE, E. N. de. Problemas de irrigação das terras torpicas. *Brasil Açucareiro* 21: 592-594. June 1943. 65.8 B73
- 1348 ANGELL, G. N. Irrigation increases "size" of the farm. *Wash. Farmer* 68 [i.e. 78]: 511. Nov. 4, 1943. 6 R151  
Irrigation is one way to enlarge farms without adding more land.
- 1349 BAMESBERGER, J. G. Better irrigation - key to better crops in the Southwest. *U.S. Soil Conserv. Serv. Soil Conserv.* 9: 86-88, 93-94. Oct. 1943. 1.6 So3S
- 1350 BASHORE, H. W. Billions for reclamation. *Arizona Farmer* 22(23): 3. Nov. 6, 1943. 6 Ar44  
Discussion of the post-war plans of the U. S. Bureau of Reclamation.
- 1351 BROWN, C. B., and JARVIS, C. S. Sedimentation in reservoirs. *Amer. Soc. Civ. Engin. Proc.* 69: 1493-1500. Nov. 1943. 290.9 Am3P
- 1352 CHILDS, E. C. The water table, equipotentials, and streamlines in drained land. *Soil Sci.* 56: 317-330. Nov. 1943. 56.8 So3
- 1353 CLARK, M. W. The construction and use of farm ponds. *Mo. Farmer* 35 (23): 3, 5. Dec. 1, 1943. 6 M696
- 1354 DAVISON, J. R. Fruit tree irrigation on the Murrumbidgee irrigation area. (Concl.) *Agr. Gaz. N. S. Wales* 54: 411-414. Sept. 1, 1943. 23 N472



- 1355 DOEHLERT, C. A. A bog study of water control. Amer. Cranberry Growers' Assoc. Proc. (1943) 74:20-21. 81 Am35C
- 1356 ETHERIDGE, W. C. Flood control is a two-handed job. Mo. Conserv. 4 (8): 1, 12-14. Nov. 1943. 279.8 M69
- 1357 GROSS, D. L. Irrigation in eastern Nebraska. Nebr. Crop Impr. Assoc. 33d Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 164-170. 2 N27R
- 1358 HALL, C. K. Successful flood-water irrigation. Farmer-engineer describes cheap methods and devices that have given good results. The role of the saaidam. Farmer's Weekly [Bloemfontein] 66: 122-123. Oct. 6, 1943. 24 F225
- 1359 HANSLOW, H. Control of water competition. Maffra-Sale Irrigation District. Victoria. Dept. Agr. Jour. 41: 445-448. Sept. 1943. 23 V66J
- 1360 HENDERSON, J. Underground water in New Zealand. New Zeal. Jour. Sci. and Technol. 23: 97B-112B. Nov. 1941. 514 N48
- 1361 HERSHKOVITZ, E. The irrigation of deciduous fruit trees. Hassadeh [Tel-Aviv] 23: 298. July/Aug. 1943. 26 H27
- 1362 JARVIS, C. S. Characteristics of heavy rainfall in New Mexico and Arizona. Discussion. Amer. Soc. Civ. Engin. Proc. 69:1505-1506. Nov. 1943. 290.9 Am3P
- 1363 KEENER, K. B. Erosion causes invert break in Boulder Dam spillway tunnel. Engin. News-Rec. 131: 762-766. Nov. 18, 1943. 290.8 En34
- 1364 KENDALL, R. G. Some new ideas on practical field draining. Farm Impl. Mach. Rev. 69: 553-554. Nov. 1, 1943. 58.8 Im72
- 1365 LAWRENCE, J. E. The role of irrigation in Nebraska's future. Nebr. Crop Impr. Assoc. 33d Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 159-164. 2 N27R
- 1366 LOWDERMILK, W. C. Living waters for the ages. For two thousand years the irrigation works of Li Bing, Chinese engineer, have sustained the world's densest farm population. Amer. Forests 49: 550-553, 546, 556-557. Nov. 1943. 99.8 F762
- 1367 McDONALD, C. C. The flood of June 16-18, 1943, in the upper Connecticut River basin. Boston Soc. Civ. Engin. Jour. 30: 258-262. Oct. 1943. 290.8 B65
- 1368 MATSON, HOWARD. More farm ponds needed. Agr. Engin. 24: 380, 382. Nov. 1943. 58.8 Ag83
- 1369 NEVADA COOPERATIVE SNOW SURVEYS. Final seasonal snow survey and kindred data, Apr. 1, 1943. 33 p., processed. Reno, Nevada Agricultural Experiment Station, 1943. 340.9 N41
- Pt. II. Humboldt River Basin, Eastern and Southern Nevada, National Wildlife Refuges.
- 1370 NICHOLSON, H. H. Field draining problems. IV. Tile draining. Estate Mag. 43: 289-290. Nov. 1943. 10 Es8
- 1371 OPPENHEIMER, H. R., and ELZE, D. L. Irrigation of citrus trees according to physiological indicators. Palestine Jour. Bot., Rehovot Ser. 4: 20-46. Dec. 1941. Ref., p. 44-46. 450 Pl72
- 1372 PINTO RIQUELME, JULIO. El embalse de Rivadavia. Agr. del Norte 27: 559-560. June 1943. 9.3 Sol4
- Discusses the Rivadavia dam and its economic importance, the area to be irrigated, allotment of lands, and transportation problems of the area.
- 1373 RATHS, H. J. Drainage triples yields. Amer. Agr. 40: 524. Nov. 6, 1943. 6 Am3
- 1374 ROBERTS, BOB. Sprinkling in the rain. West. Livestock Jour. 22 (1): 58, 60. Nov. 15, 1943. 6 F2278
- Irrigation on Puget Sound.

- 1375 SHARPE, M. Q. Eight states and a river. Missouri River States Committee brings State and Federal official together to plan and achieve coordinated development of the river valley. State Govt. 16: 221-222, 232. Nov. 1943. 280.8 St2

#### Erosion and Erosion Control

- 1376 ADCOCK, R. E. A Latin-American studies soil conservation. U.S. Soil Conserv. Serv. Soil Conserv. 9: 77-79. Oct. 1943. 1.6 So3S
- 1377 BAILEY, R. Y. Kudzu conserves southern soils. Better Crops with Plant Food 27 (9): 21-26, 48-49. Nov. 1943. 6 B46
- 1378 BENNETT, H. H. World conservation of soil. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 337-341. Nov. 1943. 10 G79J
- An abridged version of five broadcasts which Dr. Bennett made recently to South Africa.
- 1379 BIRD, JOHN. Jobs for half a million. Sat. Evening Post 216(22): 20-21, 75-76. Nov. 27, 1943. 110 S
- "Skilled soil doctors diagnose the critical ills of our farm lands and prescribe doses of manpower to build a permanently productive agriculture."
- 1380 BITTENCOURT, H. V. de C. O controle a erosão nos cafezais, sulcos e cordões em contorno. [São Paulo] Supt. dos Serv. do Café. Bol. 18: 230-237, 322-330, 418-425. Apr.-June 1943. 68.29 Sa63
- 1381 \*BOBKO, E. V. Erosion as a non-accounted part of the nutrient's balance in soils. Pochvovedenie (Pedology) 1943, No.3, p. 41-48. Russian with English summary.
- 1382 \*BOGOMOLOV, D. V. Soil erosion control. Pochvovedenie (Pedology) 1943, No.3, p.49-64. Russian with English summary.
- Work consists of two parts: 1. Run-off and erosion control by accelerated thawing of soil in the spring. 2. Soil erosion on winter fields and its control.
- 1383 \*BOGOMOLOV, D. V. Surface run-off and erosion processes as influenced by tillage along the slope and by contour tillage. Pochvovedenie (Pedology) 1943, No.6, p. 42-46. Russian with English summary.
- 1384 BREGGER, J. T. Erosion control in the orchard with special reference to contour planting and terracing. Nebr. State Hort. Soc. 73d Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 406-412. 2 N27R
- 1385 BUIE, T. S. Soil conservation in Puerto Rico. Better Crops with Plant Food 28 (8): 13-18, 50. Oct. 1943. 6 B46
- 1386 BULL, F. L. Defending the soil. Maryland farmers' first line of defense. Md. Farmer 27 (11): 15-16. Nov. 1943. 6 M362
- 1387 CARNES, ERNEST. South Carolina now joins Alabama. U. S. Soil Conserv. Serv. Soil Conserv. 9: 99. Nov. 1943. 1.6 So3S
- South Carolina is the second State completely blanketed with soil conservation districts. Alabama was the first.
- 1388 CORWIN, EMIL. A broadway view of soil conservation. U.S. Soil Conserv. Serv. Soil Conserv. 9: 84-85. Oct. 1943. 1.6 So3S
- 1389 COTTON, JOHN. Maryland suffers heavy annual damage from erosion. Md. Farmer 27 (11): 14. Nov. 1943. 6 M362
- 1390 DALY, W. J. What 1944 AAA plan offers. Kans. Farmer 80(21): 9. Nov. 6, 1943. 6 K13
- Calls for soil conservation and maximum production on each farm.
- 1391 DEERING, FERGIE. When will we save our soil? (To be cont.) Farmer-Stockman 56: 483, 496. Dec. 1943. 6 Ok45



- 1392 DICKEY, J. B. R. Plan this fall to reduce soil erosion. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38
- 1393 DOLL, E. H. Erosion control on eastern Nebraska farms. Nebr. Crop Impr. Assoc. 33d Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 171-176. 2 N27R
- 1394 \*EHIENBERG, P. Erosionserscheinungen in Schlesien [Manifestations of erosion in Silesia]. Forschungsdienst 13: 428-429. 1942.  
Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 96. June 1943. 241 Im733
- 1395 FICK, J. C. The water cycle in nature and soil erosion. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 155, 2 p. Pretoria, Aug. 24, 1943. 24 So82P
- 1396 G., A. The late Ariei Lahav and his work for the control of soil erosion. Hassadeh [Tel-Aviv] 23: 327. Sept. 1943. 26 H27  
Text in Hebrew.
- 1397 GAMA, F. da C. A erosão rouba a fertilidade dos solos. Rev. Agron. [Porto Alegre, Brazil], 7: 307-310. June 1943. 9.2 R325
- 1398 GARDNER, H. H. Slope length introduced as "fourth dimension" in farm planning. U.S. Soil Conserv. Serv. Soil Conserv. 9: 79-80. Oct. 1943. 1.6 So3S
- 1399 GROVES, E. R. Proof of the pudding - - soil conservation practices prove their value at the Cosmer Blubaugh farm [Ohio]. Farm and Dairy 30(14): 1, 6. Dec. 3, 1943. 6 F2279
- 1400 GROVES, E. R. Raindrops do the dirty work in washing soil down the hillside. Farm and Dairy 30(10): 1, 11. Nov. 5, 1943. 6 F2279
- 1401 HESTER, T. A. Caja de muerto. U. S. Soil Conserv. Serv. Soil Conserv. 9: 109-110. Nov. 1943. 1.6 So3S  
Soil conservation practices on a farm in Puerto
- 1402 HODGE, C. H. Keep your soil at home. Farmer's Mag. [Toronto] 40(11): 7, 48-49. Nov. 1943. 7 C163  
Eastern farmers are losing their richest soils by water erosion.
- 1403 HOWARD, R. B. Soil is key to conservation teaching in Ohio. U. S. Soil Conserv. Soil Conserv. 9: 114-115. Nov. 1943. 1.6 So3S
- 1404 JONES, F. R., and BARLOW, C. G. Sedimentation analysis, an improved manometric method. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 129-132. Sept. 1943. 382 M31
- 1405 LAHAV, ARIEH. Control of soil erosion in the Tiberias Basin. Hassadeh [Tel-Aviv] 23: 349-350. Sept. 1943. 26 H27  
Text in Hebrew.
- 1406 LI, LAI-YUNG. Soil erosion - a world problem. Soil conservation and permanent agriculture. New Zeal. Jour. Agr. 67: 267-270. Oct. 15, 1943. 23 N48J
- 1407 LOYD, F. G. Mrs. builds the Stokstad terraces. U. S. Soil Conserv. Serv. Soil Conserv. 9: 120. Nov. 1943. 1.6 So3S
- 1408 MEDINA, G. A conservação do solo nos Estados Unidos da America do Norte. Rev. Agron. [Porto Alegre, Brazil], 7: 439-440. Aug. 1943. 9.2 R325
- 1409 NETO, J. A., and MOURA, L. R. de. Como se aplican as tabelas para terraceamento. Rev. de Agr. [Piracicaba, Brazil], 18: 215-227. July/Aug. 1943. 9.2 R324
- 1410 NETO, J. A., and BORGONOV, MÁRIO. O terraceamento no combate a erosão. São Paulo. Sec. da Agr., Indus. e Com. Dir. de Publicidade Agr. Bol. 1: 13-26. 1942. 9.2 Sa63B
- 1411 OTOYA ARBOLEDA, F. J. La erosión y la conservación de suelos en Colombia. Colombia. Univ. Nac. Facultad Nac. de Agron. Rev. 5 (20): 80-196. 1943. 9.4 C717
- 1412 \*PACKENIUS, W. F. Boden und menschen. Deut. Agrarpolitik 1: 195. Mar. 1943.  
The problem of soil erosion in the world and its causes.
- 1413 PARKER, S. R. The 1943 agricultural conservation program as it affects Massachusetts orchardists. Mass. Fruit Growers' Assoc. Ann. Rpt. (1943) 49: 37-39. 81 M384
- 1414 PARR, C. H. Wasted water and wasted land. Indian Farming 4: 121-127. Mar. 1943. 22 In283
- 1415 SCOTT, DUNCAN. C. L. McKinney, Cochise rancher, is strong believer in conservation. Ariz. Stockman 9 (10): 5, 8. Nov. 1943. 40 Ar4
- 1416 SEIGWORTH, K. J. Ducktown - a postwar challenge. Can man correct a century of land abuse in Tennessee's Copper Basin? Amer. Forests 49: 521-523, 558. Nov. 1943. 99.8 F762
- 1417 SHOESMITH, LLOYD. Use of soil conservation surveys in farm planning. N. Dak. Agr. Expt. Sta. Bi-monthly Bul. 6 (1): 13-15. Sept. 1, 1943. 100 N813B
- 1418 UFER, W. S. Seed corn dividends from conservation practices. Ohio Farmer 192(10): 5. Nov. 20, 1943. 6 Oh3
- 1419 VERCESI, D. R. La erosión de los suelos. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Cartilla 67, 15 p. Montevideo, 1943. 9.9 Ur84
- 1420 WEITZELL, E. C. Economics of soil conservation. I. Individual and social considerations. Jour. Land and Pub. Util. Econ. 19: 339-353. Aug. 1943. 282.8 J82  
"An adaptation and revision of portions of a thesis presented to the University of Wisconsin in partial fulfillment of the requirements for the degree of Doctor of Philosophy, January 1943."
- 1421 WELLINGTON, E. R. Tractor-riding cowboys. Cattleman 30(6): 102. Nov. 1943. 49 C29  
Building of soil conservation structures.
- 1422 WILSON, J. B. Make money this winter terracing. This Month in Rural Ala., Oct. 7, 1943, p. 8. 6 T34

#### Sanitation

- 1423 TAM, R. K., and CLARK, H. E. Effect of chloropicrin and other soil disinfectants on the nitrogen nutrition of the pineapple plant. Soil Sci. 56: 245-261. Oct. 1943. Ref., p. 259-261. 56.8 So3

#### MATERIALS FOR SOIL IMPROVEMENT

- 1424 BABE, ENRIQUE. Guano de murcielagos. Agronomía [Habana], 3: 165-168. Oct. 1943. 8 C893
- 1425 BRAND, C. J. The fertilizer outlook for Florida growers and farmers. Citrus Indus. 24(11): 5, 8, 13. Nov. 1943. 80 C49
- 1426 BRAND, C. J. Fertilizers and fertilizer chemicals in wartime. Chem. and Engin. News 21: 1788-1792. Nov. 10, 1943. 381 J825N  
"The rôle of Uncle Sam as the 'Breadbasket of the World' is most difficult and requires record-breaking quantities of the three primary fertilizer constituents. The industry is bending every effort within its power to supply the nation's farmers with fertilizer materials under extremely adverse conditions in order to provide increased amounts of food but just how far we can go in becoming the 'Breadbasket of the World' is a moot question."
- 1427 CONARD, KENNETH. Here's a worth while fertilizer resolution. Ohio Farm Bur. News 23(5): 14.
- 1428 DONALDSON, R. W. 1943 fertilizers for fruit growers. Mass. Fruit Growers' Assoc. Ann. Rpt. (1943) 49: 39-41. 81 M384



1429 FACER, J. E. Man-power and manure-power. Through the Leaves 31 (5): 24-25. Sept./Oct. 1943. 66.8 T41

1430 FRIEDLAENDER, H. E. The story of the nitrogen process in France: an experiment in post-war planning. Jour. Business, Univ. Chicago 16: 247-252. Oct. 1943. 280.8 J825

"The story of the nitrogen process in France that is told here is based upon official French documents. It deserves attention as an experiment in post-war planning which, on the whole, has proved to be a failure. We ought to learn from former experiences. Here is one that reveals the intricacies of such widely discussed topics as partnership between government and business, exploitation of sequestered enemy-alien patent rights, government controlled factories, and the like."

1431 GAMARRA D., LUIS. El uso de la pasta de semilla de algodón para abonamiento. Vida Agr. 20: 525-528. July 1943. 9.8 V66

1432 GOGGIN, F. J. Poultryman lauds possibilities of poultry manure. Peninsula Broiler Jour. 3 (15): 1-2. Nov. 1, 1943. 47.8 P37

1433 \*HEILMANN, A. Landwirtschaftliche verwertung städtischer abfallsstoffe als bodenverbesserungs- und düngemittel, besonders in gemüsebau. Gesundheitsingen. 66: 122-123. 1943.

City refuse as fertilizer.

1434 JACOB, H. E. Grape pomace as a fertilizer. Wines & Vines 24(11): 20-22. Nov. 1943. 95.8 C122

1435 MILLER, W. B. Fertilizer rations for spring use. Victoria Dept. Agr. Jour. 41: 444. Sept. 1943. 23 V66J

1436 "N. P. K." Anything to declare? Fert., Feed. Stuffs and Farm Supplies Jour. 29: 499, 501-505 Nov. 10, 1943. 57.8 F413

Control of the fertilizer industry.

1437 PATERNOSTO, P. G. La moderna química de los abonos. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(761): 7-12. Sept. 30, 1943. 287 R71

1438 PAULSEN, E. S. Sobre un ensayo de obtención de estiércol artificial. Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.) 1941, p. 83-103. Buenos Aires, 1942. 9 J82

"The process of fermentation of the vegetal remnants is studied in order to obtain a substitute for manure. The chemical composition of the raw material and its varieties which it undergoes through the fermentation, has been studied. The artificial manure obtained is equal to the natural with relation to its physical characteristics and its chemical composition."

1439 POZZI-ESCOT, EMM. Contribución a la química del guano de las islas e indicaciones sobre las necesidades urgentes que requiere su manufactura. Agronomía [Lima] 8(31): 5-10. July/Aug. 1943. 9.8 Ag83

1440 POZZI-ESCOT, EMM. Estudio para llegar a la estabilización del guano, abono nacional. Agronomía [Lima] 8(31): 11-13. July/Aug. 1943. 9.8 Ag83

1441 SAVORY, J. B. G. There is nothing artificial about "artificials." Fert., Feed. Stuffs and Farm Supplies Jour. 29: 495, 497-498. Nov. 10, 1943. 57.8 F413

1442 SCHABEN, L. J. Mexico to develop guano industry. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 214-216. Nov. 1943. 1 F752A

1443 MENEZES SOBRINHO, A. Técnica das adubações. Ouro Branco 8(12): 16-20; 9(2): 12-14. Apr.-June 1943. 72.8 Ou7

1444 STEWART, R. R. Peacetime markets for fertilizers. U.S. Dept. Com. Dom. Com. 31 (24): 8, 27. Nov. 1943. 157.54 D713

1445 SWEET, R. D. Vegetable fertilizers for 1944. [N.Y.] Nassau Co. Farm and Home Bur. News 29 (11): 9. Nov. 1943. 275.293 N.Y., Nassau Co.

1446 U. S. OFFICE OF PRICE ADMINISTRATION. Fertilizers. Mixed fertilizers, superphosphate and potash. Register 8: 15706-15716. Nov. 18, 1943. 169 F31  
2d Revision Maximum Price Regulation 135.

#### Primary Materials (N, P, and K Fertilizers)

1447 BROWN, B. E. Ammonium nitrate as a source of nitrogen for potato fertilizers. Amer. Fert. 99 (5): 8-9. Aug. 28, 1943. 57.8 Am3

1448 \*MICHAEL, G. Tests with further new phosphoric fertilizers. Forschungsdienst 13: 112-116. 1942.

Abs. in Chem. Abs. 37: 5818. Oct. 10, 1943. 381 Am33C

1449 \*NORDENGREN, S. Phosphoric acid, potash and nitrogen in times of crisis. Svensk. Kem. Tid. 54: 112-122. 1942.

Abs. in Chem. Abs. 37: 5818. Oct. 10, 1943. 381 Am33C

1450 SHUEY, P. McG. Determination of potash in fertilizers or base goods in the absence of ammonium salts and organic matter. Indus. and Engin. Chem. Analyt. Ed. 16: 633-634. Oct. 1943. 381 J825A

1451 SUDDS, R. H., and MARSH, R. S. Sources of nitrogen for 1944. Mountaineer Grower 14 (148): 7-8. Oct. 1943. 80 M86

1452 TURRENTINE, J. W. Potash in war production. Chem. and Engin. News 21: 1793-1797. Nov. 10, 1943. 381 J825N

1453 U. S. BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. DIVISION OF SOIL AND FERTILIZER INVESTIGATIONS. Preparation of ammonium nitrate for use as a fertilizer. Com. Fert. 67(5): 16, 18, 20, 22, 24, 26. Nov. 1943. 57.8 C73

The experiments reported were conducted by Dr. W.H. Ross, J. R. Adams, J. Y. Yee, and V. L. Gaddy. The manuscript was prepared by F. W. Parker.

1454 U.S. BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. DIVISION OF SOIL AND FERTILIZER INVESTIGATIONS. Use of ammonium nitrate in mixed fertilizers. Com. Fert. 67 (6): 32, 34-38. Dec. 1943. 57.8 C73

#### Mineral Soil Amendments (lime, gypsum, etc.)

1455 SCHOLLENBERGER, C. J., and SALTER, R. M. A chart for evaluating agricultural limestone. Amer. Soc. Agron. Jour. 35: 955-966. Nov. 1943. 4 Am34P

1456 STOWELL, F. P. The production and use of agricultural lime. Soc. Chem. Indus. Jour. Chem. & Indus. 62: 382-385. Oct. 9, 1943. 382 M31C

#### Manures and Composts

1457 BACAL, BENJAMIN. La turba en sustitucion del estiercol. Vinos, Viñas y Frutas 39(455): 45-54. July 1943. 9 Ag89



## FORESTRY

## FOREST ECONOMICS AND POLICY

- 1458 CHAPMAN, H. H. The war and the parks. *Timberman* 44(8): 15-16, 31. June 1943. 99.81 T484  
Discusses our policy of forest preservation in National parks.
- 1459 FACIO, J. P. Hay que formar una conciencia forestal. *Vinos, Viñas y Frutas* 39(455): 26-28. July 1943. 9 Ag89  
The need for an Argentine forest policy.
- 1460 FARIAS BARONA, JUAN. Repoblación forestal y falange. *Surco*, No. 15 (Sup.), p. 15-16. May 1943. 15 Su7  
Reforestation policy in Spain.
- 1461 MICHAUD, J. W. Nos forêts et l'après-guerre. *Forêt Québécoise* 6: 241. Dec. 1943. 99.8 F79
- 1462 WIRT, G. H. Conservation of our forests. *Forest Leaves* 33(4/5): 8-10. July/Oct. 1943. 99.8 F763

## Prices

- 1463 GRAEBER, R. W. Are pulpwood prices fair? *Prog. Farmer, Car.-Va. Ed.* 58(12): 14. Dec. 1943. 6 P945
- 1464 U. S. OFFICE OF PRICE ADMINISTRATION. Appalachian hardwood lumber. *Fed. Register* 8: 15737-15739. Nov. 19, 1943. 169 F31  
Maximum Price Regulation 146, Amend. 15.
- 1465 U. S. OFFICE OF PRICE ADMINISTRATION. Distribution yard sales of hardwood lumber. *Fed. Register* 8: 15784-15792. Nov. 20, 1943. 169 F31  
Maximum Price Regulation 467, including Amend. 1.
- 1466 U. S. OFFICE OF PRICE ADMINISTRATION. Logs and bolts. *Fed. Register* 8: 16115-16129. Nov. 30, 1943. 169 F31  
Maximum Price Regulation 348, including Amend. 18.
- 1467 U. S. OFFICE OF PRICE ADMINISTRATION. Oak flooring and pecan flooring. *Fed. Register* 8: 15323-15325. Nov. 6, 1943. 169 F31  
Maximum Price Regulation 458, including Amend. 1.

## FOREST DESCRIPTION AND RESOURCES

- 1468 CANADA. FOREST SERVICE. Forest regions of Canada. *Canad. Nature* 5: 192-197. Nov./Dec. 1943. 410 C162  
Includes map showing distribution of principal species.
- 1469 DUARTE DE BARROS, W. Florestas de Minas Gerais. *Observador Econ. e Financ.* 8(90): 63-67. July 1943. 280.8 Ob72
- 1470 HARPER, R. M. Forests of Alabama. *Ala. Geol. Survey Monog.* 10, 230 p. University, 1943. Ref., p. 11-23, 41-48. 455.51 H23
- 1471 ROBERTSON, W. A. Home-grown timber. *World's Paper Trade Rev.* 120: 906, 908. Oct. 22, 1943. 302.8 W89  
Prospects for post-war pulpwood production in Great Britain.
- 1472 TORTORELLI, L. A. Los bosques argentinos en la industria del papel de diarios. *Buenos Aires Univ. Nac. Facult. de Agron. y Vet. Inst. de Fruticultura y Silv. Pub.*, v. 1, No. 3, 58 p. 1943. Ref., p. 57-58. 83 B86
- 1473 YARHAM, E. R. India's forests in war and peace. *Country Life* [London], 94: 600-601. Oct. 1, 1943. 80 C83

## Individual Genera and Species

- 1474 BANDA C., FRANCISCO. Ecuador's balsa goes to war. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 3: 211-213. Nov. 1943. 1 F752A

- 1475 CARLOS MUELLO, ALBERTO. El eucalipto. *Campo y Arados* 7(79): 25. Sept. 1943. 9.9 C152
- 1476 COLLINGWOOD, G. H. Southern red oak, *Quercus falcata*, Michaux. *Amer. Forests* 49: 544-545. Nov. 1943. 99.8 F762
- 1477 FERREYRA GUERREROS, ROGELIO, and GOROSTIAGA, ARNOLDO. La *Gleditschia* [sic] *triacanthos* L. ("espina de Cristo"). *Asoc. Rural del Uruguay. Rev. Mens.* 70(6/7): 41-43. June/July 1943. 9.9 As5
- 1478 GRONDAL, B. L. Western hemlock [*Tsuga heterophylla*] - Cinderella of the Pacific Northwest forests. *Arboretum Bul.* 6(4): 8-10. June 1943. 451 Arl
- 1479 HELGUERA, GREGORIO. Temas forestales: Los pinos. *Campo y Arados* 7(78): 18-19, 30. Aug. 1943. 9.9 C152  
Describes various species of *Pinus*, suitable for planting in Uruguay.
- 1480 MANGIERI, H. R. El futuro de los eucaliptos en la República Argentina. *Campo* [Buenos Aires], 37(323): 87-88. Sept. 1943. 9 C15
- 1481 RUIGOMEZ VELASCO, VICENTE. Cultivo de la mimbrera. *Surco* 2(15): 14-18. May 1943. 15 Su7  
Culture, diseases, pests, and uses of several *Salix* species.
- 1482 \*WETTSTEIN, W. von. Züchtung von cellulosepflanzen. *Papier Fabrik. heft* 2: 54-57. May 1943.  
Chiefly on poplars.

## FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Plant Pathology in the Plant Science Section; articles on forest insects in the Entomology Section.

## Fire

- 1483 GEPP, SIR HERBERT. The forest resources of Victoria and the fire danger. *Seed and Nursery Trader* 41(8): 3-6. Aug. 20, 1943. 80 Au72
- 1484 JENSSEN, S. Organisation of forest protection in the St. Maurice Valley. *Forêt Québécoise* 6: 274-290. Dec. 1943. 99.8 F79  
Deals chiefly with fire protection.
- 1485 KIRCHER, J. C. Prevent forest fires. *N. C. Wildlife Conserv.* 7(10): 14. Oct. 1943. 279.8 N812
- 1486 MILLER, W. G. Campaign expected to save forest fire losses totaling \$20,000,000. *South. Lumber Jour.* 47(11): 74. Nov. 1943. 99.81 So8  
Program of Forest Farmers Association Cooperative.

## Meteorological Injuries

- 1487 NASH, R. W. Winter killing of hardwoods. *Jour. Forestry* 41: 841-842. Nov. 1943. 99.8 F768

## FOREST ADMINISTRATION AND MANAGEMENT

- 1488 \*DREYER, ERNST. Zehn Jahre deutscher forst- und holzwirtschaft unter nationalsozialistischer führung. *Vierjahresplan* 7(1): 17-21. Jan. 15, 1943.  
A review of forestry developments in Germany.
- 1489 LIEBERMANN, JOSÉ. Un ejemplo digno de ser imitado; como se cuidan y se administran los bosques en Suecia. *Pampa Argentina* 17(193): 5, 19. Sept. 1943. 9 P19

## Farm Woodlands

- 1490 BARKER, W. J. A 4-H timber thinning project. *Agr. Leaders' Digest* 24(9): 20. Nov. 1943. 275.28 Am3
- 1491 BARRACLOUGH, K. E. Pulpwood from farmers. *Paper Indus. and Paper World* 25: 871-872. Nov. 1943. 302.8 P1923  
Organization and activities of the Forest Products Association, Inc.



1492 BEHRE, C. E., and REINEKE, L. H. The opportunity for silvicultural control of gypsy moth in southwestern Maine. Jour. Forestry 41: 811-815. Nov. 1943. 99.8 F768

The demand for cordwood is an economic incentive for control cutting of species favored by gypsy moth.

1493 CURRY, J. R. Forty acre woodlot nets \$3.51 per acre under management. (To be cont.) Forest Farmer 3(2): 1, 3. Nov. 1943. 99.8 F7692

1494 HURST, F. J. Wanted - lumber - poles - pulpwood - cross ties - turpentine. Prog. Farmer, Miss.-Ark.-La. Ed. 58(12): 11. Dec. 1943. 6 So81

1495 JURRIANSE, A. Oaks and acorns as a farming proposition. Farmer's Weekly [Bloemfontein] 65: 1110-1111. Sept. 1, 1943. 24 F225

Urges planting of oaks for windbreaks, timber, and feed for swine in the Union of South Africa.

1496 LEFFELMAN, L. J. War comes to the "briar patch." U. S. Soil Conserv. Serv. Soil Conserv. 9: 100-101, 116. Nov. 1943. 1.6 So38

Harvesting of wood from the Plantation Piedmont land utilization project of U. S. Soil Conservation Service.

1497 MURPHEY, F. T. Wartime demand for timber increasing. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38

Suggestions for utilizing farm forest products.

1498 NIELAND, L. T. Forest products needed for war; use the war production plant in your woodlot. Fla. Grower 51(11): 4. Nov. 1943. 80 F6622

1499 POND, J. D. How to sell that timber. (N. Y.) Cayuga Co. Farm Bur. News 29(11): 17. Nov. 1943. 275.293 N. Y., Cayuga Co.

1500 POND, J. D. Plan the annual timber cut. [N. Y.] Rensselaer Co. Farm Bur. News 20(8): 8. Nov. 1943. 275.293 N. Y., Rensselaer Co.

1501 ROSS, C. R. Handling pulpwood the right way. Prog. Farmer, Ga.-Ala.-Fla. Ed. 58(11): 10, 25. Nov. 1943. 6 P945G

1502 ROSS, CHARLES. For extra income - sell some wood. This Month in Rural Ala., Oct. 7, 1943, p. 3. 6 T34

1503 ROSS, CHARLES. More timber production needed for Army, Navy, other war uses. This Month in Rural Ala., Aug. 5, 1943, p. 2. 6 T34

1504 STEFFEK, E. F. Make the wood lot help too! New England Homestead 116(22): 12. Nov. 13, 1943. 6 N442

1505 TRENK, F. B. Trees are a war crop. Wis. Agr. and Farmer 70(21): 28. Nov. 6, 1943. 6 W751

#### SILVICULTURE

See Items 869-881

#### LUMBERING

1506 DARGAVEL, CLARK. Canada's wartime timber problems. Amer. Forests 49: 518-520. Nov. 1943. 99.8 F762

#### Equipment

1507 HUNDEVAD, J. Portable camp buildings on skids offer many advantages. Canada Lumberman 63 (23): 15-17. Dec. 1, 1943. 99.81 C16

#### Logging

1508 JONES, SPENCER. Vermont lumberjill swings wicked ax at H. Forbes' camp. Timber Topics 6(5): 3, 9. Nov./Dec. 1943. 99.81 T486

1509 MURPHEY, F. T. Women and boys are adept bark peelers. Pa. Grange News 40(8): 9. Nov. 1943. 6 P38

#### Lumber Industry

1510 ALLEN, B. E. Problem of wood supply. Paper Mill News 66(45): 16-18. Nov. 6, 1943. 302.8 P195

1511 BERCKES, H. C. Southern pine, part of democracy's arsenal. Tex. Prog. 2(11): 12-13. Nov. 1943. 280.8 T313

Demands of war on the lumber industry of the South.

1512 \*\*LOEHR, R. C. Caleb D. Dorr and the early Minnesota lumber industry. Minn. Hist. 24: 125-141. June 1943.

Listed in Amer. Geog. Soc. Current Geog. Pubs. 6: 208. Sept. 1943. 241.6 Am3

1513 McCLURE, J. W. Motor vehicle hardwood requirements incentive to production. South. Lumber Jour. 47(11): 72-73. Nov. 1943. 99.81 So8

#### Sawmills

1514 HAYCOCK, A. H. Log conversion. (Concl.) Wood 11(8): 239-241. Nov. 1943. 99.82 W855

1515 JOHNSON, H. M. Recovery of aircraft lumber from noble fir logs. West Coast Lumberman 70(11): 75-76. Nov. 1943. 99.81 W52

1516 LeROUX, R. J. Wood conservation by hydraulic log barking and whole log chipping. Paper Trade Jour. 117(22): 42, 44, 46, 48. Nov. 25, 1943. 302.8 P196

1517 PRINCE, J. B., and FELLOWS, E. S. Cost of sawing eastern spruce lumber; type of head rig and size of log in relation to sawing costs. Canada Lumberman 63(23): 22-24. Dec. 1, 1943. 99.81 C16

1518 SCOTT, J. D. The pilot sawmill experiment; a further resume of its aims and objects. Farm and Forest 4: 128-129. Sept. 1943. 24 F226

#### WOOD PROPERTIES

##### Chemical and Physical Properties

1519 IMPORTANCIA de los estudios tecnológicos para el aprovechamiento de la madera. I. La madera - material moderno. Maderil 16(182): 9-13. Aug. 1943. 99.82 M26

1520 RICO G., MANUEL. Puntales o apoyos de madera. Agr. Mex. 59(9): 32-33. Sept. 1943. 8 Ag8

##### Seasoning and Conditioning

1521 RIEMAN, E. H. Flame-testing lumber. Du Pont Mag. 37(5): 14-16, 24. Nov./Dec. 1943. 309.8 D92

1522 \*\*SVORC, J. Die künstliche trocknung von rohteil für holzschuhe. Holz 5: 381-390. 1942. Abs. in Forestry Abs. 5: 49. 1943. 241.01 Im7

1523 TIEMANN, H. D. How wood behaves in drying. 2. Moisture gradients. South. Lumberman 167 (2103): 53-54. Nov. 15, 1943. 99.81 So82

#### WOOD UTILIZATION

1524 ARNST, ALBERT. Cascara bark goes to war. U. S. Soil Conserv. Serv., Soil Conserv. 9: 102-105. Nov. 1943. 1.6 So3S

Emphasizes conservative methods of harvesting bark of Rhamnus purshiana.

1525 BOOTH, F. L. Manufacturing laminated millwork. Veneers and Plywood 37(11): 22, 24-25. Nov. 1943. 99.82 V55

1526 COLLINS, W. B. War and forest industries. Farm and Forest 4: 133-135. Sept. 1943. 24 F227

Minor forest industries of Nigerian natives.

1527 DONNELLY, G. V. Wood waste. World's Paper Trade Rev. 120: 974, 976, 989-990. Oct. 29, 1943. 302.8 W89

Discusses sawmill waste and other sources of pulp.

1528 FRIEDMAN, LEO. Recent advances in wood technology. Pacific Pulp & Paper Indus. 17(10): 27-28. Oct. 1943. 302.8 P11

Discusses charcoal, sawdust plaster, Douglasfir cork and wood plastics.



1529 GETTING the most from cross ties; increased traffic expected to take toll by reason of increased wear. Report of Committee of Roadmasters and Maintenance of Way Association. Cross Tie Bul. 24(10): 6, 8, 10, 17-19. Oct. 1943. 99.82 C87

1530 HALLAUER, F. J. Analysis and forecast of lumber consumption. Amer. Lumberman, No. 3269, p. 45-46. Nov. 13, 1943. 99.81 Am3

1531 HANRAHAN, F. J. Glued-laminated lumber construction. Mech. Engin. [New York] 65: 905-913. Dec. 1943. Refs., p. 912-913. 291.9 Am3J

1532 MONTAGNES, JAMES. Producing "Mosquito" bombers in Canada. Veneers and Plywood 37(11): 8-10. Nov. 1943. 99.82 V55

1533 PATON, A. H. Wood is preferred medium for pattern maker's art. As much as 11,000 ft. of lumber used in one pattern. Canada Lumberman 63(22): 12-15. Nov. 15, 1943. 99.81 C16

1534 POWELL, S. W. New treated-timber bridge completed on Alaska route. Contractors and Engin. Monthly 40(11): 11, 31, 50-51. Nov. 1943. 290.8 C765

1535 REESE, S. W. Wisconsin's forests join the Navy. Wis. Conserv. Bul. 8(10): 3-8. Oct. 1943. 279.8 W752

1536 RISHELL, C. A. Ships of wood and glue. Amer. Forests 49: 534-535, 560. Nov. 1943. 99.8 F762

1537 ROY, J. A. L'arbre de Noël. Forêt Québécoise 6: 252-255. Dec. 1943. 99.8 F79

1538 SCHRADER, O. H. Forest industries of Washington, present and future. Arboretum Bul. 6(4): 5-7, 25-26. June 1943. 451 Ar1

#### Adhesives

1539 HUSTED, O. C. Curing glue joints in minutes instead of hours. Wood. Prod. 48(11): 14-16. Nov. 1943. 99.82 W856

Describes process employing high frequency heating.

1540 KILLINGER, J. E. Lamination of weather-proof solid fiberboard with starch and resin adhesives. Paper Trade Jour. 117(TAPPI Sect.): 201-206. Nov. 4, 1943. 302.8 P196

#### Barrels, Boxes, and Crates

1541 JAMES, R. C. Meeting the container crisis. Barrel and Box and Packages 48(11): 14. Nov. 1943. 99.82 B27

Recent developments to relieve the shortage of wooden boxes.

1542 WAGNER, J. B. Toward a more uniform tight barrel. Barrel and Box and Packages 48(11): 12, 14. Nov. 1943. 99.82 B27

#### Building Construction

1543 AMIRIKIAN, ARSHAM. Navy develops all-timber blimp hangar. II. Construction procedure. Civ. Engin. 13: 525-528. Nov. 1943. 290.8 C49

1544 GREENHALGH, R. A few ideas on timber development. No. 1. Floors. Wood 11(8): 246-247. Nov. 1943. 99.82 W855

1545 PLYWOOD plate girders for buildings. Engin. News-Rec. 131: 690-692. Nov. 4, 1943. 290.8 En34

#### Charcoal

1546 WARNE, L. G. G. The identification of powdered wood charcoals. Soc. Chem. Indus. Jour. 62: 141-144. Sept. 1943. 382 M31

Includes key for the identification of English wood charcoal powders.

#### Cork

1547 EMERSON, VINCE. Cork oak. Calif. Mag. of the Pacific 33(6): 20. June 1943. 280.8 C12  
Notes on the possibilities of cork oak production in California.

#### Plastics

1548 CASSELMAN, RALPH. Resin impregnation of wood. Mod. Plastics 21(3): 124-126, 168. Nov. 1943. 309.8 P69

1549 LIGNIN industrial plastics from forest products waste. Mod. Indus. 6(4): 42-45. Oct. 15, 1943. 280.8 M72

Includes table showing physical properties of several ligno-cellulose boards and molding compositions.

1550 PACIFIC Lumber Company makes new plastic from redwood waste; in cooperation with Institute of Paper Chemistry, California, California firm makes intensive study of possible uses of waste wood. Pulp processes and results are described. Plastic steering wheels, bottle caps, light plugs are made. Redwood bark is used as a textile fiber in mattresses, blankets, upholstered furniture, etc. Pacific Pulp & Paper Indus. 17(11): 8-12. Nov. 1943. 302.8 P11

#### Pulp and Paper

1551 AMUNATEGUI, FRANCISCO. La fabricación del papel. Campesino [Santiago, Chile] 75: 520-521. Aug. 1943. 9.3 Sol2

1552 BARBER, F. G. Paper and container conservation and reclamation in the Navy Department. Paper Trade Jour. 117(TAPPI Sect.): 231-232. Nov. 25, 1943. 302.8 P196

1553 CLARK, F. C. The paper industry at war and afterward. Paper Trade Jour. 117(22): 37, 91-94. Nov. 25, 1943. 302.8 P196

1554 COTTRALL, L. G. Evaluation of chemical pulps. (Cont.) World's Paper Trade Rev. 120(Tech. Sup.): 65-68. Nov. 12, 1943. 302.8 W89

1555 CROUP, A. H. Laminating papers. Pacific Pulp & Paper Indus. 17(11): 16. Nov. 1943. 302.8 P11

1556 DANIEL, HOWARD, and BELLE, MINNIE. Paper making and control in Australia. Paper Trade Jour. 117(22): 58-59, 76. Nov. 25, 1943. 302.8 P196

1557 HATCH, R. S. The waste sulphite liquor problem. Chemurg. Digest 2: 178-180. Oct. 30, 1943. 381 N213Na

1558 JAHN, E. C. The British paper industry's part in total war. Paper Indus. and Paper World 25: 867-870. Nov. 1943. 302.8 P1923

1559 KRESS, OTTO, and MOSHER, R. H. The pulping of yellow pine wood chips. South. Pulp and Paper Jour. 6(5): 19-21, 23-24, 26. Oct. 30, 1943. 302.8 So8

1560 MacMORLAND, E. E. Paper sinews of war. South. Pulp & Paper Jour. 6(6): 19, 24. Nov. 1943. 302.8 So8

1561 MALCOLMSON, J. D. Folding carton and fibreboard substitutes for metal containers. Paper-Maker and Brit. Paper Trade Jour. 105: 70. Feb. 1, 1943. 302.8 P1922

1562 MOODY, D. L. Forest depletion faces paper makers; Canadian industry expects boom in demand after the war. Barron's 23(46): 9. Nov. 15, 1943. 284.8 B27

1563 NOBLE, J. H., and RICH, J. P. Improvements in continuous pulp washing. Paper Trade Jour. 117(TAPPI Sect.): 219-220. Nov. 11, 1943. 302.8 P196



1564 \*OFFERMANN, FRITZ. Muskauer fortlaufendes verfahren zum aufschluss von holz und einjahrespflanzen. Papier Fabrik. heft 2: 57-60. May 1943.

Process for converting wood and annual plants into cellulose.

1565 PARSONS, S. R. Optical characteristics of paper as a function of fibre classification. Paper-Maker and Brit. Paper Trade Jour. 105(Tech. Sup.): TS22-TS24; TS31-TS36. Mar., May 1943. 302.8 P1922

1566 POTT, C. D. The independent pulp mill. World's Paper Trade Rev. 120: 908, 938, 940, 942, 971, 974. Oct. 22, 29, 1943. 302.8 W89

1567 PRIOR, P. H. Scientific research and the paper industry. World's Paper Trade Rev. 119(Tech. Sup.): 1-5. Jan. 8, 1943. 302.8 W89

1568 \*SCHMIDT, ERWIN. Die technische erzeugung von buchensulfizellstoff und die gewinnung von hefe aus buchensulfitauble. Papier Fabrik. heft 2: 43-50. May 1943.

1569 SMITH, E. H. Post-war possibilities of Canada's pulp and paper industry. [Excerpts.] Pacific Pulp & Paper Indus. 17(11): 35. Nov. 1943. 302.8 P11

1570 STUDLEY, J. D. Packaging medical supplies for the Army. Paper Trade Jour. 117(TAPPI Sect.): 211-212. Nov. 11, 1943. 302.8 P196

Gives requirements of paper and paperboard.

1571 TAYLOR, STILLMAN. Paper industry a vital aid in the war. Paper Trade Jour. 117(22): 48, 50. Nov. 25, 1943. 302.8 P196

1572 TINKER, E. W. Pulpwood supply vs. paper demand; Nation faces critical paper shortage unless pulpwood production is speeded up. South. Pulp and Paper Jour. 6(5): 38, 40. Oct. 30, 1943. 302.8 S68

1573 TINKER, E. W. War economy and the pulp and paper industry. Paper Indus. and Paper World 25: 837. Nov. 1943. 302.8 P1923

1574 WILSON, N. F. Technological problems in the manufacture of paperboard. Paper Indus. and Paper World 25: 873-874. Nov. 1943. 302.8 P1923

1575 ZAUMEYER, R. J. Substitution and conservation. Paper Trade Jour. 117(TAPPI Sect.): 207-210. Nov. 4, 1943. 302.8 P196

Wartime developments in the pulp and paper industry.

#### Veneers and Plywood

1576 DUNNE, J. J. The application of plywood to the manufacture of planes. Wood Prod. 48(11): 32, 34, 36, 38. Nov. 1943. 99.82 W856

1577 HYLER, J. E. Edge joinery of veneer. Veneers and Plywood 37(11): 14, 16. Nov. 1943. 99.82 V65

#### Wood as Fuel

1578 MARELLI, C. A. La foresta sera la fuente de fuerza motriz y puede dar el carburante communal, provincial y nacional. Campo [Buenos Aires] 37(323): 8, 10. Sept. 1943. 9 C15

1579 REYNOLDS, T. W. Wood as a fuel for conservation. Heating and Ventilating 40(11): 67-70. Nov. 1943. 291.8 H35

#### MISCELLANEOUS

1580 BEAVEN, ALAN. Future of tree planting on prairies appears very bright. Weekly Market News & Mod. Farmer 21(48): 3. Dec. 1, 1943. 286.81 G762A  
Account of educational tours of the Canadian Forestry Association, especially with respect to the planting of shelterbelts.

1581 COWAN, C. G. Forestry - Washington's future. Arboretum Bul. 6(4): 4. June 1943. 451 Ar1

1582 FOREST RESEARCH INSTITUTE, DEHRA DUN. Triennial programme of work...for 1939-42. 32 p. New Delhi, 1940. 99.08 In2D

1583 GISBORNE, H. T. The challenge to the Society of American Foresters. Jour. Forestry 41: 803-807. Nov. 1943. 99.8 F768

The author believes that the management of wildland resources such as water, forage, wildlife, and recreation fall within the province of the forester, hence the term "forestry" should be interpreted as synonymous with "wildland management" by the Society of American Foresters.

1584 GOBEIL, A. R. How Quebec 4-H clubs serve conservation; a glance at the splendid work done by a group of boys and girls of Quebec for the protection, the restoration, and the management of our forest and wildlife resources. Forest & Outdoors, Nov. 1943, p. 268-269, 274. 99.8 C16

1585 MATTOON, H. G. Community forests, their function and value. Forest Leaves 33(4/5): 1-2, 4. July/Oct. 1943. 99.8 F763

1586 MILLER, HAL. Teaching soldiers how to live in the woods. Pulp and Paper Mag. of Canada 44(12): 881-884, 886. Nov. 1943. 302.8 P96

Account of Canadian Army Woodcraft School and the part played by the Woodlands Section, Canadian Pulp and Paper Association, in its development.

#### Education

1587 SOCIETY OF AMERICAN FORESTERS. DIVISION OF EDUCATION. COMMITTEE ON FARM-FORESTRY EDUCATION. Present status of farm-forestry education. Report of the Committee... Jour. Forestry 41: 808-810. Nov. 1943. 99.8 F768

R.H. Westveld, Chairman of Committee.

#### Forest Influences

1588 BERGEIRO, J. M. El arbol. Campo y Arados 7(79): 18-19, 31. Sept. 1943. 9.9 C152

Discusses various aspects of the value of forests.

1589 VARELA MARTINEZ, RAUL. Los bosques y la lluvia. Colombia Univ. Nac. Facult. de Agron. Rev. 5(20): 47-56. 1943. 9.4 C717

#### Wildlife

1590 OLSEN, O. A. Big game in multiple land use in Utah. Jour. Forestry 41: 792-797. Nov. 1943. 99.8 F768

1591 PHILLIPS, J. M. Planting trees for posterity and wildlife. Pa. Game News 14(8): 14-15, 31. Nov. 1943. 412.9 P28Pe  
Urges the planting of nut and fruit-bearing trees to provide food for wildlife.



ANIMAL INDUSTRY

## BREEDS AND BREEDING

1592 CÂMARA, FRANCISCO. O que representa para os criadores de uma região a instalação de um posto de monta? Rev. dos Criadores 14(12): 11-13. Aug. 1943. 43.8 R32

1593 CARVALLO A., A. Influencia prenatal. Agr. Mex. 59(9): 9-10. Sept. 1943. 8 Ag8

1594 LUTES, OMER. What is a pedigree? Amer. Dairy Goat News 5(5): 7, 11. Nov. 1943. 40.18 Am34 Livestock breeding.

1595 \*OTTBERSEN, KURT. Die tierzucht des generalgouvernements in der erzeugungsschlacht. Deut. Landw. Tierzucht 47: 63-64, 73-75. Mar. 6, 13, 1943.

1596 RAMOS, A. N. Consanguinidade. Bahia, Brazil. Coop. Inst. de Pecuária. Bol. 6(38): 27. Apr./June 1943. 49.9 B14

1597 VIDAL, B. A. S. Fazenda experimental de criação de São Carlos. Rev. Rural Brasil. 23(276): 19. Aug. 1943. 9.2 B733

Livestock breeding experimental farm.

## FEEDS AND FEEDING

1598 ANDRADE, B. M. Feno e fenação. IV - Característicos necessários a uma forrageira para fenação. Rev. dos Criadores 14(12): 32-34. Aug. 1943. 43.8 R32

1599 BAKER, M. L. Feeding methods that require less time. Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 450-453. 2 N27R

1600 BECHTEL, H. E., ATKESON, F. W., and HUGHES, J. S. Brown silage from Atlas sorgo - chemical composition, and apparent digestibility as determined by feeding to dairy cows. Jour. Anim. Sci. 2: 295-303. Nov. 1943. 49 J82

1601 BERNARDÓN, JUAN. El pisoteo mejora los campos de pastoreo. Buenos Aires (Prov.) Bol. de Canad. e Indus. 23(8): 37-38. Aug. 1943. 9 B866

1602 BLACKY, E. J. Mickey inspires plan to help Hickory Grove farmers lick grain feed shortage by mixing in concentrates. Feed Bag 19(11): 22, 69. Nov. 1943. 389.78 F32

1603 \*BÖTTCHER, \_\_\_\_, PANNWITZ, \_\_\_\_, and NIER, \_\_\_\_. Die verwertbarkeit der in deutschen wäldern wachsenden pilze als lebens- und futtermittel. Ztschr. f. Pilzk 20: 4-7, 66-72. Aug. 1941, Feb. 1942.

Value of mushrooms as food for human beings and livestock, especially for pigs.

1604 \*BRUCKNER, G. Vorschläge zur analytischen kennzeichnung von gerstenfuttermehl. Ztschr. f. das Gesam. Getreidew. 29: 146-149. Oct. 1942.

1605 CHARLEY, V. L. S., LING, A. W., and SMITH, E. L. Apple pomace silage. Report on experiments conducted in 1941. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 101-106. 84 B77

1606 CRAMPTON, E. W., and WHITING, FRANK. A proposed scheme of feedingstuffs analysis. Jour. Anim. Sci. 2: 278-284. Nov. 1943. 49 J82

1607 CRAMPTON, E. W. The protein problem in animal feeding. Canad. Jour. Compar. Med. 7: 321-326. Nov. 1943. 41.8 G162

1608 CULVER, AL. Wartime demands cause shifts in protein requirements. Ill. Agr. 48(1): 5-6, 10. Oct. 1943. 6 I16

1609 DAVIDSON, H. R. Dangers of vetches and beans in feeding livestock. Farmer & Stock Breeder 57:1681. Oct. 26, 1943. 10 F228

Little or no effect on dairy cows, but care is needed in feeding swine and poultry.

1610 DERRICK, W. W. Do we have to process feed for livestock? Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 446-447. 2 N27R

1611 DOUGHERTY, EMMET. Proposed limit on protein use will be presented feed men. Feedstuffs 15 (48): 1, 4. Nov. 27, 1943. 286.81 F322

1612 GAINES, W. L. Feeding standard equations for cows and goats in milk. Jour. Anim. Sci. 2: 304-313. Nov. 1943. 49 J82

1613 GARRIGUS, W. P. Essential vitamins in livestock feeding. Grain and Feed Jours. Consolidated 91: 397. Nov. 10, 1943. 298.8 G762

1614 GRIMES, J. C. Cattle and hogs do well grazing kudzu and sericea. This Month in Rural Ala., Aug. 5, 1943, p. 1. 6 T34

1615 GRIMES, J. C. Latest facts on sweet potatoes as a livestock feed are given. This Month in Rural Ala., Aug. 5, 1943, p. 7. 6 T34

1616 HANKINS, M. J. Year-round pasture system pays, says Allan Yorke, Stanton farmer. Nebr. Farmer 85(21): 24. Nov. 6, 1943. 6 N27

1617 HIRSCH, ART. National saboteur No. 1; rats do \$200,000,000 worth of damage to feed, etc., yearly. Here's how you can help stamp them out. Poultry Supply Dealer 20(11): 8, 40-41. Nov. 1943. 47.8 B11

1618 HUTCHINSON, IRVING. Pasture possibilities and livestock grazing. Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 471-474. 2 N27R

1619 KALAR. The physiological elements of silage. Hassadeh [Tel-Aviv] 23: 304. July/Aug. 1943. 26 H27

Text in Hebrew.

1620 KING, W. A. Comparison of limestone and sodium bicarbonate as neutralizers for phosphoric acid oat silage. Jour. Dairy Sci. 26: 975-981. Nov. 1943. 44.8 J822

1621 KIRCHER, W. H. They make pastures pay! Farmer 61(23): 1, 23. Dec. 4, 1943. 6 F2211

Pasture management of several Minnesota farmers.

1622 LOWERY, J. C. Serious feed shortage facing Alabama farmers this winter; suggestions are offered how this may be averted. This Month in Rural Ala., Aug. 5, 1943, p. 4. 6 T34

1623 \*LUHRS, ERICH. Die ausprüfung von sogenannten fresslustanregern. Ztschr. f. Fleisch u. Milchhyg. 52: 4-10; 18-20. Oct. 1, 15, 1941.

Investigations on a commercial feed, Arcanum Hella.

1624 MAYNARD, JACK. Beet tops can cut feeding costs way down this year. West. Livestock Rptr. 4(12): 2. Nov. 23, 1943. 286.85 W523

1625 \*MEISNER. Das futter bedingt die leistung; voraussetzung für eine erfolgreiche sommerstallfütterung. Landesbauernschaft Bayern. Wchnbl. 133: 256. Apr. 24, 1943.

1626 MITCHELL, H. H. Biological methods of measuring the protein values of feeds. Jour. Anim. Sci. 2: 263-277. Nov. 1943. Ref. 49 J82

1627 MADEAU, J. D. La relation des vitamines à la nutrition animale. Canad. Jour. Compar. Med. 7: 329-335. Nov. 1943. 41.8 G162

1628 \*NEHRING, K., and WALLIS, E. Zusammensetzung und futterwert von gerstenschälkleie. Ztschr. f. das Gesam. Getreidew. 29: 156-158. Nov. 1942.

1629 \*NICOLAISEN, W. Zwischenfruchtban und nachfrüchte mehrren und verbessern die futtergrundlage. Weidewirtschaft und Futterbau (Beilage zur Deut. Landw. Tiersucht) 18: 9-10. June 19, 1943.



1630 OSPINA, GERMAN. La sal y las mezclas minerales para el ganado. (Cont.) Agronomía [Habana], 3: 163. Oct. 1943. 8 C893

1631 PAREK, M. "Sabr" as green fodder. Hassadeh [Tel-Aviv], 23: 310. July/Aug. 1943. 26 H27  
Text in Hebrew.

1632 RAATH, J. C. The necessity for pasture control. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 167, 2 p. Pretoria, 1943. 24 So82P

1633 RECORD, P. R. Problems of the community mixer. Grain and Feed Jours. Consolidated 91: 400. Nov. 10, 1943. 298.8 G762

Scarcity of ingredients for mixed feeds.

1634 \*\*RUSCHMANN, G. Why no natural silage formation? Answers to the criticism of W. Speer. [Translated title.] Ztschr. f. Tierernähr. Futtermtlk. 6: 92-94. 1942.

"Disputes the harmlessness of formic acid. Its use in foods is restricted by law."

Abs. in Chem. Abs. 37: 6758. Nov. 20, 1943. 381 Am33C

1635 \*\*SPEER, W. Reply to G. Ruschmann's paper on "The preparation of natural silage by a new biological process." [Translated title.] Ztschr. f. Tierernähr. Futtermtlk. 5: 271-272. 1941.

"A compilation of statements from the literature on the harmlessness of formic acid in metabolism."

Abs. in Chem. Abs. 37: 6758. Nov. 20, 1943. 381 Am33C

1636 \*SUCKOW. Die aufgabe der deutschen futterwirtschaft. Milchwirt 8: 10. Mar. 1942. (Insert in Milchw. Ztg., v. 50, 1942.)

1637 SUTTON, T. S., and others. Making substitutions for war scarce feedstuffs. [A symposium.] Feedstuffs 15(48): 20-22, 23-26, 28. Nov. 27, 1943. 286.81 F322

Carbohydrates, by T. S. Sutton, p. 20-21; Proteins, by E. W. Burroughs, p. 21-22; Minerals and vitamins, by R. M. Bethke, p. 24-26, 28.

1638 SUTTON, T. S. Substitutions for war scarce feedstuffs. Grain & Feed Jours. Consolidated 91: 438-439. Nov. 24, 1943. 298.8 G762

1639 THIES, H. P. Interesantes ensayos sobre el efecto del Yoghurt en los animales. Campesino [Santiago, Chile], 75: 530-531. Aug. 1943. 9.3 Sol2

1640 \*TROGNITZ, KARL. Zusammensetzung und futterwert von weizen- und roggenhäckkleien. Ztschr. f. das Gesam. Getreidew. 29: 132-134. Sept. 1942.

1641 WARD, A. L. Calcium carbonate in oil meals [for feeding livestock]. Flour & Feed 44(6): 20, 40. Nov. 1943. 298.8 F66

1642 WEBB, N. M. P. Cattle and pigs on war diet; mineral needs increased. South African Dairyman 5: 162. Aug. 1943. 44.8 So822

1643 WOODMAN, H. E. Notes on feeding dairy cattle and other livestock. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 368-374. Nov. 1943. 10 G79J

Rationing for milk production, winter 1943-44; Brewers' wet grains; Dried seaweed meal.

1644 YANTIS, H. E. Commercial feeds and [cooperation of] the colleges. Flour & Feed 44(6): 28, 41. Nov. 1943. 298.8 F66

#### VETERINARY MEDICINE

1645 ANTHONY, C. H. Tularemia. Jen-Sal Jour. 26(6): 24. Nov./Dec. 1943. 41.8 J45

1646 BRYAN, A. H. Visualized veterinary chemistry. Amer. Vet. Med. Assoc. Jour. 103: 279-280. Nov. 1943. 41.8 Am3

1647 CASTAÑEDO, J. A. La trementina, precioso medicamento. Granja [Mexico], 11: 171, 181. Oct. 1943. 15.5 G76

1648 \*COHRS, P. Die chronische fluorvergiftung der haustiere vom standpunkt der fleischhygiene. Ztschr. f. Fleisch u. Milchhyg. 52: 1-4. Oct. 1, 1941

1649 \*COHRS, P. Fleischhygienische tuberkuloseprobleme. Ztschr. f. Fleisch u. Milchhyg. 53: 131-135. Apr. 15, 1943.

1650 DANKS, A. G. Anesthesia in horses and swine. Cornell Vet. 33: 344-346. Oct. 1943. 41.8 C81

1651 DECLERK, A. Los cadáveres de los animales; precauciones necesarias. Paraguay. Min. de Agr., Com. e Indus. Cartilla Agropecuaria, No. 55/56, p.30-32, May/June 1943. 9.7 Ec72

Determination of cause of death and proper disposal of carcass to prevent spread of disease.

1652 DURLACH, A. L. Influencia de la temperatura sobre los antígenos somáticos [of 29 strains of Salmonella]. Buenos Aires Univ., Facult. de Agron. y Vet. Rev. 10: 326-343. Mar. 1943. 9 B863

Summaries in English and Portuguese.

1653 FERRAZ, C. C. Um aparelho prático para medição asséptica de líquidos. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 109-111. 1942. 41.9 L68

1654 FERREIRA, A. A., and MACHADO, A. M. Os métodos, lento e rápido, de aglutinação no diagnóstico das bruceloses. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 3-15. 1942. 41.9 L68

1655 FETHERS, GEOFF. What of veterinary practice? Past. Rev. 53: 614-615. Sept. 16, 1943. 23 Au75

Importance of private practitioner in maintaining wartime food supply and danger of his extinction by enlarging Government veterinary departments.

1656 FIADREIRO, J. B. Ensaio de imunização activa contra as doenças produzidas por ultra-vírus, por intermédio de bacterinas impregnadas. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 31-45. 1942. 41.9 L68

Emphasis on hog cholera immunization.

1657 FORKER, K. A. A few observations on work and procedure under the Diseases of Animals Acts, 1894-1935, and the Agriculture Act, 1937. Vet. Rec. 55: 263-264. July 3, 1943. 41.8 V641

1658 FOSTER, A. O., and HABERMANN, R. T. Phenothiazine for the control of parasites of farm animals. Natl. Assoc. Fed. Vet., Fed. Vet. 1(3): 1-5. Nov. 1943. 41.9 N212Na

1659 FRANCIS, JOHN. The aetiology of respiratory diseases. Roy. Army Vet. Corps, Jour. 15: 9-10. Nov. 1943. 41.8 G79

Comparison of strangles and swine influenza as examples of virus-bacteria combination diseases.

1660 \*\*GAASE, A. Die trichinoseforschung nach dem schrifttum der letzten jahre mit besonderer berücksichtigung eigener kombinationsbindungsergebnisse beim menschen und in tierversuchen. Deut. Militärarzt 7: 442-448. 1942.

Abs. in Vet. Bul. 13: 361-362. Oct. 1943. 41.8 T752

1661 GILLIE, G. W. Keeping livestock healthy. Amer. Vet. Med. Assoc. Jour. 103: 275-278. Nov. 1943. 41.8 Am3

To maintain supply of meat and other animal products

1662 \*GROGG, A. Der maul- und klauenseuchezug 1937/39 in der Schweiz. Schweiz. Milchztg. 68: 368. Oct. 13, 1942.

1663 HAGAN, W. A. Veterinary education in the postwar world. Amer. Vet. Med. Assoc. Jour. 103: 269-274. Nov. 1943. 41.8 Am3

1664 HARBOUR, H. E. The veterinary investigation officer - his relationship with practitioner and farmer. Vet. Rec. 55: 330-331. Aug. 28, 1943. 41.8 V641



- 1665 HASTINGS, E. G. Undulant fever and Bang's. *Hoard's Dairyman* 88: 702-703. Dec. 10, 1943. 44.8 H65
- Brucellosis in livestock and comparative pathogenicity of 3 types of brucella to man.
- 1666 HURST, E. W., and COOKE, B. T. Capillary fat-embolism in the brains of sheep, pigs and monkeys, with especial reference to demyelination and other lesions in the white matter. *Austral. Jour. Expt. Biol. and Med. Sci.* 21: 141-148. Sept. 1943. 442.8 Au7
- Encephalitic lesions.
- 1667 JACK, H. W. Veterinary services in Fiji. *Fiji Dept. Agr. Jour.* 14: 71-74. Sept. 1943. 25 F47Ag
- 1668 KERBY, G. P., and others. Bacteriological observations on experimental brucellosis in dogs and swine. *Amer. Jour. Path.* 19: 1009-1020. Nov. 1943. 448.8 Am39
- I. W. Brown, Jr., George Margolis, and W. D. Forbus joint authors.
- 1669 KOHN, H. I. The sulfonamides: a general discussion of the principles underlying their use. *Cornell Vet.* 35: 335-338. Oct. 1943. 41.8 C81
- 1670 MCINTOSH, R. A. The coming of winter and [veterinary] practice. *Canad. Jour. Compar. Med.* 7: 298-301. Oct. 1943. 41.8 C162
- 1671 MCINTOSH, R. A. A day in practice with A. R. Campbell, B. V. Sc. *Canad. Jour. Compar. Med.* 7: 336-341. Nov. 1943. 41.8 C162
- 1672 MEZEY, KALMÁN. *Pernettya prostrata*: var. *pentlandii* (reventadera o mortño venenoso). Toxicología, farmacodinamia y tratamiento de la intoxicación. *Rev. de Med. Vet. [Bogotá]* 12(83): 40-58. Jan./June 1943. 41.8 R3214
- 1673 MEZEY, KALMAN. Toxicología y farmacodinamia en la medicina veterinaria. *Rev. de Med. Vet. [Bogotá]* 12(83): 59-67. Jan./June 1943. 41.8 R3214
- 1674 MORA G., RAFAEL. Contribución al estudio de las plantas tóxicas en medicina veterinaria. *Rev. de Med. Vet. [Bogotá]* 12(83): 5-58. Jan./June 1943. 41.8 R3214
- Tanaecium exitiosum* and *Jussiaea peruviana*.
- 1675 MORAES, L. G. de. A veterinária de antanho. *Soc. Bras. de Med. Vet. Bol.* 11: 177-180. Oct./Dec. 1942. 41.9 S014
- Excerpts from old Portuguese book, *Economia Rural e Doméstica*.
- 1676 PALMEIRO, J. M. A reação de Ascoli, considerada como reação de grupo e insuficiente para o diagnóstico do carbúnculo. *Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab.* 5: 99-103. 1942. 41.9 L68
- 1677 POGORELSKY, MIGUEL. La fiebre aftosa y su transmisión a la especie humana. *Campo [Buenos Aires]* 27(322): 54. Aug. 1943. 9 C15
- 1678 RAMSAY, R. D. Don't let the "gremlins" get you. *Amer. Hereford Jour.* 34(14): 48. Nov. 15, 1943. 43.8 Am32
- Superstitious notions in regard to livestock breeding and diseases.
- 1679 REYES F., EDUARDO. Algunas fórmulas de pomadas útiles en veterinaria. *Agr. Mex.* 59(8): 15-16. Aug. 1943. 8 Ag8
- 1680 RODRIGUEZ LOUSTAU, J. A. Obtención de suero hemolítico anti-ovino de buen título. *Buenos Aires Univ., Facult. de Agron. y Vet. Rev.* 10: 308-317. Mar. 1943. 9 B863
- Summaries in English and Portuguese.
- 1681 SANTOS, E. S. Verminose ou "peste de se-car." *Rev. dos Criadores* 14(12): 25-26. Aug. 1943. 43.8 R32
- 1682 \*SCHONBERG, F., and MILBRADT, H. Zur frage der totenstarre bei ausgeschlachteten tieren. *Ztschr. f. Fleisch u. Milchhyg.* 52: 63-65. Dec. 15, 1941.
- 1683 THOMSON, ALEX. The co-operative unit as a basic factor in the future of the profession. *Vet. Rec.* 55: 307-308. Aug. 7, 1943. 41.8 V641
- 1684 VAN ES, L. Disease defense for livestock. *Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg.* 1942. *In Nebr. State Bd. Agr. Ann. Rpt.* 1942: 476-481. 2 N27R
- 1685 VELASQUEZ Q., JOSÉ. Intoxicación con reventadera [*Pernettya prostrata* var. *pentlandii*]. *Rev. de Med. Vet. [Bogotá]* 12(83): 39. Jan./June 1943. 41.8 R3214
- 1686 \*WEHNER, TONI. R 1248 U (Rapidorn) in der tierärztlichen praxis. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 123-124. July 5, 1943. A narcotic.
- 1687 \*WITTE, JURGEN. Erfahrungen mit der herstellung von nährböden im kriege. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 132-133. July 5, 1943.
- 1688 WOOD, F. W. El carbunco sintomático y su prevención. *Rev. de Agr. y Com. [Panamá]* 3(25): 34-35. Sept. 1943. 8 R3291

## MISCELLANEOUS

- 1689 ASOCIACIÓN NACIONAL DE GANADEROS DE CUBA. Estatutos generales. *Rev. Ganad. [Habana]* 3(8/9): 33-43. Aug./Sept. 1943. 49 R321
- 1690 BROWN, G. A., and others. Suggestions on livestock production in 1943-44. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 99-103. Nov. 1943. 100 M58S
- V. A. Freeman, G. A. Branaman, and C. L. Cole, joint authors.
- 1691 CUBA. COMISIÓN DE DEFENSA DE LA GANADERÍA NACIONAL. Instrucción general No. 1, dictada... para la organización inicial de la Asociación Nacional de Ganaderos de Cuba. *Rev. Ganad. [Habana]* 3(8/9): 44-47. Aug./Sept. 1943. 49 R321
- 1692 FERRIN, E. F. Some worth-while suggestions how feed dealers can help their customers. *Feedstuffs* 15(48): 33-34. Nov. 27, 1943. 286.81 F322
- Advice on feeding, breeding, and care of livestock.
- 1693 FRILEY, C. E., and KILDEE, H. H. America's most vital industry; the relationship of livestock to our national economy, nutrition and health. *Short-horn World* 28(15): 5-6, 25-26. Oct. 25, 1943. 43.8 Sh8
- 1694 HAMMOND, JOHN. Las condiciones del ambiente y la ganadería. *Vida Agr.* 20: 420-432. June 1943. 9.8 V66
- 1695 HEIT, W. S. Use of zinc phosphide rodenticide for rat control. *[N. Y.] Dutchess Co. Farm Bur. News* 26(5): 6. Nov. 1943. 275.293 New York, Dutchess Co.
- 1696 LOEFFEL, W. J. Quality vs. quantity in livestock production. *Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg.* 1942. *In Nebr. State Bd. Agr. Ann. Rpt.* 1942: 464-468. 2 N27R
- 1697 OLIVEIRA, MARIO de. As exposições de animais. *Bahia, Brazil. Coop. Inst. de Pecuária. Bol.* 6(38): 26-27. Apr./June 1943. 49.9 B14
- 1698 PLACEK, EMIL. The livestock man and victory. *Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg.* 1942. *In Nebr. State Bd. Agr. Ann. Rpt.* 1942: 458-461. 2 N27R



1689 RAIKES, RALPH. Saving time this summer applied to sheep & hogs. Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 454-457. 2 N27R

Labor-saving methods in feeding, care, and management.

1700 ROBINSON, W. B. The "Humane Coyote-Getter" vs the steel trap. Natl. Wool Grower 33(11): 20-22. Nov. 1943. 45.8 N21N

Reprinted from Jour. Wildlife Managt., Apr. 1943.

1701 SOPENA, ISAIAS. I. Determinación de la glucemia en vacas lecheras en relación con la producción láctea. II. La glucemia normal del cerdo. Buenos Aires Univ. Facult. de Agron. y Vet. Rev. 10: 263-272. Mar. 1943. 9 B863

#### CATTLE

##### Breeds and Breeding

1702 ASSIS, F. de P. Gado leiteiro criação e exploração. VI. Vida reproductiva da vaca leiteira. Rev. dos Criadores 14(13): 44-45. Sept. 1943. 43.8 R32

1703 ATKESON, F. W. Milking Shorthorns in Kansas-- type highly important to breed progress. Milking Shorthorn Jour. 24(12): 3-4, 19. Dec. 1943. 43.8 M59

1704 BORGES, R. A. A propósito do premio para o "Raçador" [Santa Gertrudis breed]. Bahia, Brasil. Coop. Inst. de Pecuária. Bol. 6(38): 24-26. Apr./June 1943. 49.9 B14

1705 COPELAND, LYNN. Brown Swiss in Kentucky. Brown Swiss Bul. 22(5): 7, 10. Nov. 1943. 43.8 B81

1706 DAY, D. I. Excellent Michigan herd...Milking Shorthorns [of W. J. Baird and Son] in Clinton County; results of 38 years' breeding. Milking Shorthorn Jour. 24(11): 8. Nov. 1943. 43.8 M59

1707 DAY, D. I. Shorthorns make more money. Shorthorn World 28(15): 13-14, 17-18. Oct. 25, 1943. 43.8 Sh8

1708 DAY, D. I. A story of Hyde Pointe [Farms]; featuring fine Canadian [Milking Shorthorn] breeding, this Michigan herd is really one to watch. Milking Shorthorn Jour. 24(12): 10-11. Dec. 1943. 43.8 M59

1709 DAY, G. E. The unpredictable chromosome [in cattle breeding]. Shorthorn World 28(16): 4-5. Nov. 10, 1943. 43.8 Sh8

1710 DORRANCE, S. F. Maine "steps ahead" with Herefords. Amer. Hereford Jour. 34(13): 10, 134. Nov. 1, 1943. 43.8 Am32

1711 ENGELER, W. Neue bestrebungen zur förderung der rindviehzucht. 3. Die abstammung der stierenmütter. Schweiz. Zentbl. f. Milchw. 31: 118-119. June 26, 1942.

Pedigree of dairy bulls.

1712 FORBES, R. C. Other breeds too Shorthorn standards. Shorthorn World 28(17): 5. Nov. 25, 1943. 43.8 Sh8

1713 FORTIN, LUCIEN. A good Ayrshire herd for each one of our farmers and that, not only after the war, but now. Canad. Ayrshire Rev. 24: 208. Nov. 1943. 43.8 Ay72

1714 FRAZIER, C. I. Long Ridge Farm, [Callicoon, N. Y.], changes to Milking Shorthorns. Milking Shorthorn Jour. 24(11): 34-35. Nov. 1943. 43.8 M59

1715 FRENCHE, M. H. Growth rates of Sanga (Ankole) calves. Vet. Rec. 55: 308-309. Aug. 7, 1943. 41.8 V641

With proper feeding, growth and reproduction rates compare favorably with those of other breeds.

1716 GILMORE, L. O. Three methods of dairy cattle selection. Nebr. State Dairymen's Assoc. Ann. Rpt. 1941. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 272-279. 2 N27R

Deals principally with the selection of bulls, by mass, progeny test, and genetic selection.

1717 GONZALES, A. de J. El ganado cebú y la ganadería en los tropicos. Hacienda 38: 477-478. Nov. 1943. 6 H11

1718 GOODWIN, J. P. Four-figure bids for dairy Shorthorns. Farmer & Stock-Breeder 57: 1746. Nov. 9, 1943. 10 F228

1719 GUERNSEY BREEDERS' JOURNAL. Good sires pay dividends; list of sires in herds advertising Guernseys for sale. The bull buyers' guide helps select your future sire. 18 p. Peterboro, N. H., 1943. Supplement to Guernsey Breeders' Journal, Dec. 1, 1943. 43.8 G93

1720 GUERRA, J. de C. Subsídio ao problema da criação intensiva de bovinos de puro sangue da raça leiteira no Brazil. Rev. Rural Brasil 23(276): 14-18. Aug. 1943. 9.2 B733

Holando cattle breeding.

1721 HALPIN, JOHN. The advantages of artificial breeding [of dairy cattle]. [N. Y.] Onondaga Co. Farm Bur. News 28(11): 11, 26. Nov. 1943. 275.293 N. Y., Onondaga Co.

1722 HARDY, W. J. More about Milking Shorthorn steers. Milking Shorthorn Jour. 24(12): 5. Dec. 1943. 43.8 M59

1723 HIGGINS, L. A. Thirty production bulls mean more profit, and more New Orleans milk. Jersey Bul. 62: 1385, 1418-1420. Nov. 20, 1943. 43.8 J48

Bulls distributed to dairy farmers in Mississippi.

1724 JOHNSON, LAMONT. Beauty Herefords near Manzanola [Colorado]. West. Farm Life 45(21): 3, 14. Nov. 1, 1943. 6 R153

1725 LEWIS, C. C. Claimers. Milking Shorthorn Jour. 24(11): 21. Nov. 1943. 43.8 M59

Claims the Milking Shorthorn to be the premier dual purpose breed of cattle.

1726 LLOYD, E. W. We are a million head short of cattle [in Great Britain]. Field 182: 518. Nov. 13, 1943. 10 F45

Stresses need for better breeding.

1727 MARGOLIN, S., BARTLETT, J. W., and LEPARD, O. L. The relation of longevity to fertility of bull semen. Jour. Dairy Sci. 26: 983-985. Nov. 1943. 44.8 J822

Used for artificial insemination.

1728 MILLER, H. J. Growing the calves; Shorthorn fame was secure when they were bred to grow fast on low cost feed. Shorthorn World 28(16): 16-18. Nov. 10, 1943. 43.8 Sh8

1729 MUSSER, K. B. Future outlook [for better dairy sires]. Guernsey Breeders' Jour. 64: 1021. Dec. 1, 1943. 43.8 G93

1730 OLIVEIRA, J. G. Uma velha questão: as raças "nobres" e o zebu. Rev. Agron. [Porto Alegre, Brazil] 7: 303. June 1943. 9.2 R325

1731 PELLETIER, J. R. Les Soeurs de Ste-Anne gagnent la médaille d'or. Canad. Ayrshire Rev. 24: 219-220. Nov. 1943. 43.8 Ay72

Ayrshire cattle win medal at exhibition.

1732 REGAN, W. M. Selecting a "sure fire" [dairy] herd sire. Nulaid News 21(7): 7. Oct. 1943. 47.8 N917

1733 REID, DAVID. Purchasing a dairy bull. Farmer & Stock-Breeder 57: 1717. Nov. 2, 1943. 10 F228

1734 SALISBURY, G. W., and others. The effect of dilution rate on the livability and the fertility of bull spermatozoa used for artificial insemination. Jour. Dairy Sci. 26: 1057-1069. Nov. 1943. 44.8 J822

G. H. Beck, P. T. Cupps, and Irvine Elliott, joint authors.



- 1735 SANDERS, A. H. The Cruickshank Short-horns. *Shorthorn World* 28(15): 33. Oct. 25, 1943. 43.8 Sh8  
Cattle of Amos Cruickshank, Aberdeen, Scotland.
- 1736 SHALOM, S. The age problem of the first fertilization of cow-calves. Hassadeh [Tel-Aviv] 23: 341-342. Sept. 1943. 26 H27  
Text in Hebrew.
- 1737 SHULTZ, E. N. Guide posts along the way follow a marked route. *Guernsey Breeders' Jour.* 64: 1025-1027, 1041-1043. Dec. 1, 1943. 43.8 G93  
Breeding Guernsey cattle.
- 1738 TORRES, A. D. P. Tipos de Caracú. *Rev. dos Criadores* 14(13): 19-20. Sept. 1943. 43.8 R32
- 1739 VEIGA, J. S. A inseminação artificial e suas possibilidades. *Rev. Rural Brasil* 23(275): 16-17. July 1943. 9.2 B733  
Cattle breeding.
- 1740 WILLS, R. N. The purebred dairy cow; let us look ahead. *Md. Farmer* 27(11): 10. Nov. 1943. 6 M362
- Feeds and Feeding**
- 1741 ALBERS, HERBERT. Protein ensilages [for beef cattle]. *Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 474-475. 2 N27R*
- 1742 ALLINGTON, FRANK. Cattle on [pasture] grass. *Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 453-454. 2N27R*
- 1743 ASSIS, F. de P. Gado leiteiro criação e exploração. V. Aleitamento artificial. *Rev. dos Criadores* 14(12): 41-45. Aug. 1943. 43.8 R32  
Calf feeding.
- 1744 BAKER, M. L. Marketing pastures, abundance of pasture over a relatively long season assures profitable cattle production. *Shorthorn World* 28(16): 3-4. Nov. 10, 1943. 43.8 Sh8
- 1745 BARTLETT, J. W. Feeds for the dairy herd. *Rural New Yorker* 102: 545. Nov. 13, 1943. 6 R88
- 1746 BEEGLE, J. A. How much grain shall be fed this fall and winter [to dairy cows]? *Hoard's Dairyman* 88: 670. Nov. 25, 1943. 44.8 H65
- 1747 BOHSTEDT, GUS. Tips for dairymen on getting most milk from available feeds. *Feed Bag* 19(11): 29-30. Nov. 1943. 389.78 F32
- 1748 BRADT, C. G. Feeding for herd health. [N. Y.] *Nassau Co. Farm and Home Bur. News* 29(11): 11. Nov. 1943. 275.293 N. Y. Nassau Co.
- 1749 BURNS, F. W. Good pasture worth at least \$2 per acre per [dairy] cow per week. *This Month in Rural Ala.* Aug. 5, 1943, p. 2. 6 T34
- 1750 COLE, H. H., MEAD, S. W., and REGAN, W. M. Production and prevention of bloat in cattle on alfalfa pasture. *Jour. Anim. Sci.* 2: 285-294. Nov. 1943. 49 J82
- 1751 CONNELL, W. E., and Tom, R. C. War-time ration experiments [with steers]. *Westerner* 6(10): 9, 52. Nov. 1943. 49 W522
- 1752 DAVIS, H. P. Feeding dairy calves; milk quota can be safely reduced. *Nebr. Farmer* 35(21): 36. Nov. 6, 1943. 6 N27
- 1753 DOUGLAS, J. R. The sorghum grains [as feed for cattle]. *Shorthorn World* 28(16): 14. Nov. 10, 1943. 43.8 Sh8
- 1754 DUTCHER, ROBERT. Where can we get tankage [for cattle feeding]. *Farmer-Stockman* 56: 501. Dec. 1943. 6 Ok45
- 1755 EUDALY, E. R., and THOMPSON, O. W. Check your feed values [for dairy cows]. *Farm and Ranch* 62(11): 37. Nov. 1943. 6 T31
- 1756 EVANS, G. L. B. Welsh hill cattle. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 356-359. Nov. 1943. 10 G79J  
Semi-wild Welsh Black beef cattle are kept all the year on a mountain, with baled hay, from December to May, as the only feed supplement.
- 1757 GONZALEZ, A. de J. Deficiencias del suelo y nutrición del ganado. *Vaqueros* 3(9): 5-6. Sept. 15, 1943. 43.8 V41  
Mineral deficiency of feed.
- 1758 HARRIS, L. E., WORK, S. H., and HENKE, L. A. The utilization of urea and soybean oil meal nitrogen by steers. *Jour. Anim. Sci.* 2: 528-535. Nov. 1943. 49 J82
- 1759 HENSON, P. R., and others. Cattle grazing experiments with sericea lespedeza at Beltsville, Maryland. *Jour. Anim. Sci.* 2: 514-520. Nov. 1943. 49 J82  
M. A. Hein, M. W. Hasen, and W. H. Black, joint authors.  
Experiments with beef steers.
- 1760 HOBBS, C. S. Feeding beef cattle to conserve feed and produce more beef. [N. Y.] *St. Lawrence Co. Farm and Home Bur. News* 28(9): 11. Nov. 1943. 275.293 N. Y. St. Lawrence Co.
- 1761 INCHAUSTI, DANIEL, TAGLE, E. C., and HELMAN, M. B. Relación nutritiva en la ración de vacas lecheras. Influencia en la producción cuantitativa y cualitativa de la leche. *Buenos Aires Univ., Facult. de Agron. y Vet. Rev.* 10: 221-236. Mar. 1943. 9 B863  
Summaries in English and Portuguese.  
Also in *Buenos Aires Univ., Facult. de Agron. y Vet. Inst. de Zootec. [Pub.] v. 1, No. 6, 18 p.* Buenos Aires, 1943. 49.9 B86  
Effect of protein in the diet.
- 1762 JACKSON, A. D. Green grazing necessary for dairy cows. *Austral. Milk & Dairy Prod. Jour.* 10(8): 33. Aug. 1943. 44.8 Au72
- 1763 KING, F. G. Beefing on all four. *Successful Farming* 41(12): 76, 78. Dec. 1943. 6 Su12  
Describes different types of feeding for finish, of beef cattle, in relation to market prices obtainable under Government regulations.
- 1764 KNAPP, BRADFORD, JR., and BAKER, A. L. Limited vs. full-feeding in record of performance tests for beef cattle. *Jour. Anim. Sci.* 2: 521-527. Nov. 1943. 49 J82
- 1765 KVASHNE, J. Maize stalks for the dairy herd. Hassadeh [Tel-Aviv] 23: 340. Sept. 1943. 26 H27  
Text in Hebrew.
- 1766 LOGAN, LUCILLE. And bossy must eat too! *Agr. Student* 50(2): 5, 16. Nov. 1943. 6 Ag84  
Feeding dairy cattle.
- 1767 LUCAS, H. L. A method of equalized feeding for studies with dairy cows. *Jour. Dairy Sci.* 26: 1011-1022. Nov. 1943. 44.8 J822
- 1768 LUNDQUIST, N. S., and PHILLIPS, P. H. Certain dietary factors essential for the growing calf. *Jour. Dairy Sci.* 26: 1023-1030. Nov. 1943. 44.8 J822  
Studies with Holstein calves on a diet of skim milk with added amounts of vitamins A, C, D, nicotinic acid and access to hay and grain.
- 1769 McCANN, L. P. Feeders still in quandary but farm roughage should be utilized [for beef cattle]. *Ohio Farmer* 192(9): 8. Nov. 6, 1943. 6 Oh3
- 1770 MATTELIN, FRANK. Good steer feeding. *Mont. Farmer* 31(5): 6. Nov. 1, 1943. 6 M764



- 1771 MAYNARD, JACK. Cattle feeding without frills. West. Livestock Reporter 4(11): 4. Nov. 16, 1943. 286.85 W523  
Also in West. Livestock Jour. 22(1): 33. Nov. 15, 1943. 6 F2278
- 1772 MAYNARD, JACK. Feed and succeed; 4-H Club and Future Farmers of America beef. West. Livestock Rptr. 4(13): 2. Nov. 30, 1943. 286.85 W523
- 1773 MINUT, JUAN. Temas de mesología y ecología lechera: Tierras pobres, forrajes débiles y alimentación carenciada de las lecheras y las enfermedades andémicas. (To be cont.) Indus. Lechera 25: 431-439. July 1943. 44.8 In26
- 1774 MONROE, C. F. Current problems in feeding dairy herd. Grain & Feed Jour. Consolidated 91:437. Nov. 24, 1943. 298.8 G762
- 1775 PREWITT, ED. How to feed the dairy cow this winter. Ky. Farmer's Home Jour. 79(11): 15. Nov. 1943. 6 F2237
- 1776 RICKARD, J. A. Cactus feed for cows. Your Farm 2(2): 45-47. Dec. 1943. 6 Y8
- 1777 SAVAGE, E. S. The phosphorus feed supplement situation. Dairymen's League News 27(24): 6. Nov. 23, 1943. 44.8 D1432  
Dairy cattle requirements.
- 1778 SPIELMAN, A. A. What minerals must dairy cows have? Wash. Farmer 78: 536. Nov. 18, 1943. 6 R151
- 1779 SURKIN, M. The influence of grapefruit on the butterfat of milk. Hassadeh [Tel-Aviv] 23: 341-342. Sept. 1943. 26 H27  
Text in Hebrew.
- 1780 TAYLOR, B. R. Grazing and feeding beef cattle in Oklahoma. Cattleman 30(6): 71-72. Nov. 1943. 49 C29
- 1781 THORBURN, J. B. Kale economy, a feeding method for dairy cows, which cuts out the labour and costs of carting. Farmers Weekly [London] 19(21): 31. Nov. 19, 1943. 10 F2226
- 1782 TURK, K. L. Roughage rations. South. Planter 104(11): 10, 31. Nov. 1943. 6 S689  
Hay and silage for dairy cows.
- 1783 VILLARES, J. B. O colostro na criação de bezerros. Rev. Rural Bras. 1.23(275): 22-23. July 1943. 9.2 B733
- 1784 WATSON, S. J. Long straw in the straw pulp process. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 365-368. Nov. 1943. 10 G79J  
Methods used by several farmers in soaking straw in caustic soda solution. Its palatability as cattle feed is briefly discussed.
- 1785 WERNER, A. Futtergrundlage und fütterung des milchviehes. Deut. Landw. Tierzucht 47: 138-139. June 19, 1943.
- 1786 WOLFE, M. J. Feeding grain [to dairy cattle] according to production. Calif. Dairyman 23(19): 7, 10. Oct. 30, 1943. 44.8 C12
- 1787 WOLFE, M. J. Subsidies grow no feed; dairymen should feed cows according to their production. West. Livestock Jour. 22(1): 148-149. Nov. 1943. 6 F2278
- 1788 WRIGHT, N. C., FOWLER, A. B., and THOM, C. L. The relation of farm self-sufficiency to the attainment of milk targets. Highland and Agr. Soc. Scot. Trans., 5th Ser. (1943) 55: 54-69. 10 H536  
Results achieved at the Hannah Dairy Research Institute farm, Kirkhill, Scotland, by raising sufficient home-grown feeding stuffs for the maintenance of the entire dairy herd.
- 1789 YONKEE, F. T. Ships yearling steers instead of feeding until they are older. Mont. Farmer 31(5): 6. Nov. 1, 1943. 6 M764

# Inspection and Quarantine

- 1790 MASON, K. M. Is the "accredited" scheme a failure? Farmers Weekly [London] 19(18): 31. Oct. 29, 1943. 10 F2226  
Inspection of stable, milk house, and utensils for accredited license.
- 1791 WITZLEBEN, ARTUR von. Frühjahrsmusterung in rinderstall, unreife mastfähige jungrinder gehören noch nicht in dem schlachthof. Landesbauernschaft Pommern. Wohnbl. 10: 230. Apr. 10, 1943.

# Veterinary Medicine

- 1792 AYERZA, MARIO. A propósito del prognatismo [in Hereford cattle]. Hereford 10: 214, 216-217. July/Aug. 1943. 43.8 H42  
Sometimes due to soft diet and curable by change in feeding methods.
- 1793 BARKER, C. A. V. Lactation in an anoestrous nulliparous heifer following hormone administration. Canad. Jour. Compar. Med. 7: 502-505. Oct. 1943. 41.8 C162  
Diethylstilbestrol dipropionate used.
- 1794 BARRIOS S., AUGUSTO. Exploración clínica de los genitales de las vacas: exploración del útero y cuernos uterinos. Rev. Agr. [Guatemala] 20: 66-67. July/Sept. 1943. 8 G934
- 1795 BAUERT, C. L. Algunas enfermedades más comunes del ganado lechero. Campo [Buenos Aires] 27 (322): 38-39, 58, 60. Aug. 1943. 9 C15
- 1796 BOLONA R., JULIO. La piroplasmosis y la anaplasmosis en la aclimatación del ganado de pura sangre en los países tropicales. Ecuador Dept. de Agr. Bol. No. 12, 13 p. Quito, 1942. 9.5 Ag8B
- 1797 BROOK, G. B. Two American methods for collecting bovine blood for the Brucella abortus tube test. Vet. Rec. 55: 264. July 3, 1943. 41.8 V641
- 1798 BROWN, J. A., and STUART, J. D. The treatment of summer mastitis using Corynebacterium pyogenes toxoid. Vet. Rec. 55: 315-316. Aug. 14, 1943. 41.8 V641
- 1799 BRYAN, C. S. The diagnosis and control of bovine mastitis. Jen-Sal Jour. 26(6): 4-5, 30. Nov./Dec. 1943. 41.8 J45  
Pictorial Survey of the Streptococcic Mastitis Problem, p. 16-17.
- 1800 CONN, G. H. Disease control [in cattle]. The difference between Bang's disease and tuberculosis with reference to control measures. Shorthorn World 28(15): 36, 38-39. Oct. 25, 1943. 43.8 Sh8
- 1801 CORRÊA, OUTUBRINO. Verrugas [in cattle]. Rev. Agron. [Porto Alegre, Brazil] 7: 317. June 1943. 9.2 R525
- 1802 DACORSO FILHO, PAULO. II - Notas anatomo-patológicas. Tuberculose da boca em bovino. Soc. Bras. de Med. Vet. Bol. 12: 13-15. Jan./June 1943. 41.9 Sol4  
English abstract.
- 1803 DANKS, A. G. Brucella abortus Strain 19 and orchitis in a bull. Cornell Vet. 33: 581-582. Oct. 1943. 41.8 C81  
Orchitis due to localization of Br. abortus.
- 1804 GLOVER, G. H. Sulpha drugs [sulfapyridine] show promise for treating calf diphtheria. West. Farm Life 45(22): 9. Nov. 15, 1943. 6 R153
- 1805 GORRIE, C. J. R. Vaccination with strain 19 begins [in Australia] against abortion. Stock and Land 33(38): 3. Sept. 22, 1943. 49 St63
- 1806 GRUTTNER, FELIX. Ausgedehnte fettnekrose beim rinde. Ztschr. f. Fleisch. u. Milchhyg. 52: 49-54. Dec. 1, 1941.



- 1807- HORNBY, H. E., EVANS, S. A., and WILDE, J. K. H. The use of a phenanthridinium compound (No. 897) in the treatment of Zebu cattle infected with *Trypanosoma congolense*. Jour. Compar. Path. and Ther. 55: 269-279. Sept. 1943. 41.8 J82
- 1808 KEARL, BRYANT. Tratamiento para el ganado estéril. Rev. de Agr. y Com. [Panamá] 3(25): 10-11. Sept. 1943. 8 R3291
- 1809 \*KELLER, HUGO. Über den Ln. ilicus lateralis des rindes im zusammenhang mit der fleischbeschau. Ztschr. f. Fleisch u. Milchhyg. 52: 25-26. Nov. 1, 1941.
- 1810 \*KELLER, HUGO. Über den Ln. profundus femoris des rindes. Ztschr. f. Fleisch u. Milchhyg. 52: 65-67. Dec. 15, 1941.
- 1811 KERR, W. R., and ROBERTSON, M. A study of the antibody response of cattle to *Trichomonas foetus*. Jour. Compar. Path. and Ther. 55: 280-297. Sept. 1943. 41.8 J82
- 1812 KERRUSH, B. M. Strangulated hernia - bovine. Vet. Rec. 55: 331. Aug. 28, 1943. 41.8 V641
- 1813 KLUSSENDORF, R. C. Udder injections and garget control. Successful Farming 41(12): 21, 79, 86-87. Dec. 1943. 6 S12
- 1814 \*KOCH, W., and HAISCH, A. Der scheiden-vorfall der kühe, eine hormonal bedingte konstitutionsschwäche. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 41/49: 131-132. July 3, 1943.
- 1815 \*LENFELD, J., and HOKL, J. Die biologischen eigenschaften der milch einer an chronischem milzbrand des euters erkrankten milchkuh. Ztschr. f. Fleisch u. Milchhyg. 52: 26-29. Nov. 1, 1941.
- 1816 LIMA, J. P. Pneumo-enterite dos bezerrros. Rev. Rural Bras. 25(276): 28-30. Aug. 1943. 9.2 B733
- 1817 MACHADO, A. de M., and OLIVEIRA, J. J. A. de O diagnóstico das mamites bovinas pelas provas colorimétricas e exames culturais dos leites. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 59-71. 1942. 41.9 L68  
Folded table and graphs.
- 1818 MACHADO, A. V., RANGEL, N. M., and GIOVINE, M. Persistent urachus associated with pyelonephritis in a calf. Cornell Vet. 33: 372-376. Oct. 1943. 41.8 C81
- 1819 MENZIES, D. W. The control of animal disease. Sterility in dairy herds. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1942: 141-142. 84 B77
- 1820 MORELLI, H. A. Aborto contagioso in cattle. Su reconocimiento y profilaxis. Buenos Aires (Prov.) Bol. de Agr., Ganad. e Indus. 23(7): 31-33. July 1943. 9 B866
- 1821 MURRAY, J. G. Notes on the subject of infertility in cattle. Vet. Rec. 55: 323-326. Aug. 21, 1943. 41.8 V641
- 1822 PEREZ TRONCOSO, CIRO. La brucellosis en los vacunos. Rev. Ganad. [Havana] 3(8/9): 9-11. Aug/Sept. 1943. 49 R321
- 1823 PIRES, ANTONIO. Algunos puntos relacionados con la reacción térmica en el diagnóstico de la tuberculosis. Hereford 10: 244-248. July/Aug. 1943. 43.8 H42  
Principal interest is diagnosis in cattle.
- 1824 REYES F., EDUARDO. Cuidados que necesita una vaca estabulada después del parto. Agr. Mex. 59 (9): 36-37. Sept. 1943. 8 Ag8
- 1825 ROBERTS, D. T. Bovine haemoglobinuria, piropilosis or red water. Vet. Rec. 55: 279. July 17, 1943. 41.8 V641
- 1826 ROBERTS, S. J. Double penis in a Holstein bull. Cornell Vet. 33: 388-393. Oct. 1943. 41.8 C81
- 1827 ROBERTS, S. J. Dystocia due to cystic dilatation of the ureter, associated with other teratologic defects in a bovine fetus. Cornell Vet. 33: 385-388. Oct. 1943. 41.8 C81
- 1828 ROBERTS, S. J. A probable case of fetal giantism in the bovine. Cornell Vet. 33: 370-371. Oct. 1943. 41.8 C81
- 1829 ROCHA e SILVA, M. Em torno da etiologia da doença de fotosensibilização em bovinos, produzida pelo *Holocalyx glaziovii*. Biológico 9: 187-194. Aug. 1943. 44.8 B529
- 1830 ROSENBUSCH, CARLOS. Aborto infeccioso de las vacas y su control. Rev. Agr. [Guatemala] 20: 67-71. July/Sept. 1943. 8 G934
- 1831 \*SAGORSKY, NIKOLAJ. Trächtigkeitsdiagnose bei kühen durch ein trächtigkeitskristallogramm der milch. Wien. Tierärztl. Monatsschr. 29: 252-255. June 1, 1942.
- 1832 \*SCHOOP. Ungleichmässige behaarung bei rindern. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 124-125. July 3, 1943.
- 1833 SPEILMAN, A. A. Prevention of white scours in calves. Washcoegg 21(7): 15. Nov. 1943. 47.8 W27
- 1834 \*STECK, W., and KASTLI, P. Richtlinien für die diagnostizierung des gelben galtes der milchkühe. Schweiz. Zentbl. für Milchw. 31: 95. May 15, 1942.
- 1835 STEWART, S. L. Retained afterbirth in dairy cattle. Amer. Vet. Med. Assoc. Jour. 105: 283-285. Nov. 1943. 41.8 Am3
- 1836 VELASQUEZ Q., JOSÉ. Mastitis o mamitis de las vacas. Vida Rural 5(49): 25-26. Aug. 1943. 9.4 V66
- 1837 VIEIRA, L. G. A febre aftosa; sua transmissão á especie humana através o leite. Bahia, Brasil Coop. Inst. de Pecuária. Bol. 6(58): 2-3. Apr./June 1943. 49.9 B14
- 1838 VITA, L. A. Las vacas lecheras y la hipocalcemia. Esnea 50(1259): 2. Sept. 24, 1943. 44.8 Es5  
Reprinted from La Voz del Int., Córdoba, Argentina.
- 1839 WARREN, C. K. Stop Bang's disease by vaccination of calves. Mont. Farmer 31(6): 5. Nov. 15, 1943. 6 M764
- 1840 WELCH, HOWARD. Vaccinating heifer calves against brucellosis. Mont. Farmer 31(5): 17. Nov. 1, 1943. 6 M764
- 1841 WHITE, J. B. Calf diseases. I. Vet. Rec. 55: 275-278. July 17, 1943. 41.8 V641
- 1842 \*ZOLLIKOFER, E. Beobachtungen über den infektionsgrad und den infektionsverlauf mit gelb-galt-streptokokken in einigen ausgewählten viehbeständen. Schweiz. Milchztg. 68: 459. Dec. 22, 1942.

#### Miscellaneous

- 1843 AMITZ. Cooling of milk by sprinkling the cans. Hassadeh [Tel-Aviv] 23: 304-305. July/Aug. 1943. 26 H27

Text in Hebrew.

- 1844 ARMSTRONG, J. T. Grade [dairy] herd recording; annual report, 1941-42. Tasmanian Jour. Agr. 14: 106-108.

- 1845 ARMSTRONG, L. M. A woman looks at cattle. Shorthorn World 28(15): 24. Oct. 25, 1943. 43.8 Sh8

New interest in the farm beef herd through assisting with the work, and through study.

- 1846 ARNOLD, J. O. More about the production of milk and the mechanism of milking. Allied Vet. 14(6): 7-8. Nov./Dec. 1943. 41.8 A15  
Excerpts from Medical World, Jan. 1943. Lactation in dairy cattle.



1847 BAUERT, C. L. Manipuleo de la vaca y los utensilios, higiene del personal y de las instalaciones. Campo [Buenos Aires] 27(322): 30-31, 62. Aug. 1943. 9 C15

1848 BEARDSLEE, RUSSELL. How I winter my young [dairy] stock. Amer. Agr. 40(25): 1, 6. Dec. 4, 1943. 6 Am3

1849 BINKS, A. N. Co-operation seen as basis of future strength [for the Australian dairy industry]. Farmer and Settler 37(31): 8. Sept. 3, 1943. 23 F226

1850 BLACKMAN, C. L. It pays to keep [dairy] cows comfortable and contented. Ohio Farm Bur. News 23(4): 20. Nov. 1943. 6 Oh34

1851 BRITISH COLUMBIA DEPT. OF AGRICULTURE. DAIRY BRANCH. Eleventh list of dairy sires...having (principally in B. C.) five or more daughters with records, showing average yields of all recorded daughters and yields of daughters and their dams, where five or more daughter-dam pairs occur. Sects. I-IV. Brit. Columbia Dept. Agr. Dairy Cir. 46 (Stencil) 46 p. Victoria, 1942? 44.9 B772

Sections: I. Ayrshire, R. O. P. records to Mar. 31, 1942; C. T. A. records to Dec. 31, 1941; Holstein, R. O. P. records to Apr. 15, 1942; C. T. A. records to Dec. 31, 1941; Jersey, R. O. P. and C. T. A. records to Dec. 31, 1941; Guernsey, R. O. P. records to Mar. 31, 1942; C. T. A. records to Dec. 31, 1941.

1852 BRITISH COLUMBIA DEPT. OF AGRICULTURE. DAIRY BRANCH. Third annual list of long distance production records of cows in provincial cow-testing associations as at June 30th 1942. (Minimum 2,000 lb. butterfat) Arranged according to breeds. Brit. Columbia Dept. Agr. Dairy Cir. 47 (Stencil) 8 p. Victoria, 1942. 44.9 B772

1853 BROWN, ELLIOTT. Fitting calves for show and sale. West. Livestock Jour. 22(1): 98, 100. Nov. 15, 1943. 6 F2278

1854 BURNS, F. W. Give them [dairy cattle] rest before freshening. This Month in Rural Ala. Sept. 9, 1943, p.8. 6 T34

1855 CARRUTH, PAUL. Arkansas Jerseys strut their stuff; 109 in open classes, and good calf show at Pine Bluff. Jersey Bul. 62: 1388, 1420-1421. Nov. 20, 1943. 43.8 J48

1856 CASTLE, C. V. Dairy inflation. Calif. Milk News 22(9): 6. Dec. 3, 1943. 44.8 C124  
Advice on feeding and culling dairy cows in meeting war conditions.

1857 CASTRO, JAIME. Pro-defensa del ternero. Vida Rural 5(49): 14-15. Aug. 1943. 9.4 V66

1858 CAVE, R. A. Conditioning the [dairy] cows before freshening. Dakota Farmer 63: 491. Nov. 13, 1943. 6 DL4

1859 CESOR calf plan. Guernsey Breeders' Jour. 64: 1028-1029, 1041. Dec. 1, 1943. 43.8 G93  
Raising calves in cribs on wheels, by G. M. Newlin at Cesor Farms, Farmington, Mich.

1860 CLARKE, M. W. Historical Palo County [Texas] ranch is sold. Cattleman 30(6): 23-25. Nov. 1943. 49 C29

Description of the pioneer experiences of Mr. and Mrs. R. S. Dalton of Mineral Wells, Texas, owners of the ranch and Mrs. Dalton's father, Rev. George W. Slaughter associated with the County.

1861 DODDINGTON, R. M. Contrasting English and United States farming during hostilities. Milking Shorthorn Jour. 24(11): 10-11. Nov. 1943. 43.8 M59  
Deals mostly with Milking Shorthorn herds visited in England.

1862 DOMINGUES, OCTAVIO. Vamos descobrir o Brasil pecuário. Bahia, Brazil. Coop. Inst. de Pecuária. Bol. 6(38): 28-30. Apr./June 1943. 49.9 B14

1863 DOUGLAS, JAMES. Progeny testing [of beef cattle]; where are the cross roads? Shorthorn World 28(15): 7. Oct. 25, 1943. 43.8 Sh8

1864 EASTERBROOK, L. F. El Reino Unido produce hoy más leche que en cualquier año de preguerra. La Res 11: 14943. Sept. 20, 1943. 286.85 R31

1865 ELY, FORDYCE. Helpful kind of comment [on the new herd improvement registry certificate of the American Jersey Cattle Club]. Jersey Bul. 62: 1327. Nov. 5, 1943. 43.8 J48

1866 FERRER y del CASTILLO, V. L. Consejos para el mejoramiento de los terneros y de la industria lechera. Granja [Mexico] 11: 152-154, 156-157. Sept. 1943. 15.5 G76

1867 FERRIS, T. R. 1,500 cow partnership scheme. Farmer & Stock-Breeder 57: 1760. Nov. 9, 1943. 10 F228

A report on types of farming seen on a visit to the United States, and of the cooperative methods of the Walker-Gordon Milk Farms, Inc., New Jersey.

1868 FROM shepherd to Texas landowner, German immigrant [Henry Reimers] finds America land of plenty. Cattleman 30(6): 18, 84-85. Nov. 1943. 49 C29

1869 GIBSON, R. C. Constitutional changes will have important bearing on future progress of dairy farming in Australia. Farmer and Settler 37(31): 5. Sept. 3, 1943. 23 F226

1870 GILMORE, L. O. A balanced dairy farm program. Nebr. State Dairymen's Assoc. Ann. Rpt. 1941. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 279-285. 2 N27R

Dairy farm practices affecting the dairy herd and the net dairy farm income.

1871 \*\*GRABNER, N. A. History of cattle ranching in eastern Oklahoma. Chronicles of Okla. 21: 300-311. Sept. 1943.

Listed in Amer. Geog. Soc. of N. Y. Current Geog. Pubs. 6: 286. Nov. 1943. 241.6 Am3

1872 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Rearing calves in war time. Gt. Brit. Min. Agr. and Fisheries. 'Growmore' Leaflet, No. 66. 4 p. Oct. 1943. 10 G790r

1873 GREEN, H. B. Suckling approved calves: up to 240. Farmer & Stock Breeder 57: 1596. Oct. 12, 1943. 10 F228

1874 HALL, I. F. Convenience aids diversity. Hoard's Dairyman 88: 694. Dec. 10, 1943. 44.8 H65

Dairy farming alone is not as profitable as when combined with other livestock enterprise.

1875 HART, G. E., and WAGNON, K. A. Does slaughter of pregnant cows reduce poundage of beef and financial return. West. Livestock Jour. 22(1): 86, 88. Nov. 1943. 6 F2278

Also in Calif. Cult. 90: 588, 595. Nov. 13, 1943. 6 C12

1876 HINMAN, C. H. A steer class [in Milking Shorthorn cattle shows]? Milking Shorthorn Jour. 24(11): 4. Nov. 1943. 43.8 M59

1877 HODGSON, R. E. Costa Rican dairyland. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 208-210. Nov. 1943. 1 F752A

1878 JAGLE, ABRAM. Demonstração pública de gado bovino de raça Indiana organizada no município de Barretos. Rev. Rural Brasil. 23(275): 37. July 1943. 9.2 B733



- 1879 JOHNSON, LAMONT. A champion repeats as top-selling Hereford bull. West. Farm Life 45(22): 23-24, 26. Nov. 15, 1943. 6 R153  
Description of Mr. and Mrs. G. A. Sidwell's production of Hereford cattle.
- 1880 JOHNSON, STEWART. Variation among herds in butterfat test of milk. N. Y. Nassau Co. Farm and Home Bur. News 29(11): 10. Nov. 1943. 275.293 N. Y. Nassau Co.
- 1881 LAURENT, EDUARDO. El interior encierra grandes reservas para la patria; la Exposición de Ganadería. Pampa Argentina 17(193): 2-3. Sept. 1943. 9 P19
- 1882 LEES, A. B. Fat cow prices bar progress. Farmer & Stock-Breeder 57: 1759. Nov. 9, 1943. 10 F228  
Low prices of fat dairy cows cause inferior animals to be purchased for milking. Deals also with the value of selecting pedigree bulls.
- 1883 MCKENZIE, D. R. Advanced register of merit standard for pure-bred dairy cows. Victoria Dept. Agr. Jour. 41: 449-450. Sept. 1943. 23 V66J
- 1884 MCKENZIE, D. R. Standard dairy herd test report for year 1942-43. Victoria Dept. Agr. Jour. 41: 425-429, 469-472. Sept. 1943. 23 V66J
- 1885 THE MARK of the beast, a practical suggestion for improved cattle branding. By "Go West." Rev. River Plate 95(2703): 20-22. Oct. 1, 1943. 286.8 R32
- 1886 MILLER, C. K. Land utilization project aids Campbell County stockmen. Wyo. Stockman-Farmer and Wyo. Indus. Jour. 49(11): 1, 6, 11. Nov. 1943. 6 W992  
Description of successful ranching operations that were due to the establishment of the northeastern Wyoming land-utilization project.
- 1887 NETTO, F. A. A politica do leite. Rev. dos Criadores 14(12): 35-37. Aug. 1943. 43.8 R32  
Deals with improved dairy breeding stock, diseases, sanitation in milk production, milk prices, etc.
- 1888 NISBET, JACK. "Dairy do's and don'ts" in cow testing, breeding and milk salesmanship. Nebr. State Dairymen's Assoc. Ann. Rpt. 1941. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 267-272. 2 N27R  
Includes discussion on milk energy, composition, and nutritive value.
- 1889 OLMSTEAD, R. H. Dairymen must cull herds to save feed. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38
- 1890 PERRY, E. J. Catering to cows pays dividends. Country Gent. 113(12): 29. Dec. 1943. 6 C833  
Feeding, care, and management of the high-producing dairy herd of Lewis Zimmerman, Leighton, Pa.
- 1891 PROULX, J. R. La classification des troupeaux. Bul. des Agr. 39(11): 17-18. Nov. 1943. 7 B872  
Judging dairy cattle according to type standards.
- 1892 PURINA FEEDING ADVISORY SERVICE. Answers to 14 important questions on management of dairy cows. Checkerboard News 5(4): 16-17. Aug./Sept. 1943. 389.78 C41
- 1893 RAMIREZ S., CARLOS. Ordeña. (To be cont.) Campesino [Santiago, Chile] 75: 528, 531. Aug. 1943. 9.3 Sol2
- 1894 REEVES, FRANK. Glad Acres owners look to tomorrow. R. B. George and Miss Cleo George make big plans as they build foundation for new Hereford herd on their Texas farm. Amer. Hereford Jour. 34(14): 11, 131. Nov. 1943. 43.8 Am32
- 1895 RIORDAN, M. Murdo MacKenzie....range king. (Cont.) Westerner 6(10): 15, 18-19, 26-27, 30-31, 34-35, 38. Nov. 1943. 49 W522
- 1896 ROSS, C. D. How do I start Tuberculin Test milk? Farmer & Stock Breeder 57: 1596. Oct. 12, 1943. 10 F228
- 1897 SMITH, ARTHUR. The only way to judge a cow is by milk recording. Farmers Weekly [London] 19(20): 28. Nov. 12, 1943. 10 F2226
- 1898 SMITH, ARTHUR. Over 3 gallons per cow per day. Farmer & Stock-Breeder 57: 1678. Oct. 26, 1943. 10 F228  
Has held first place in milk recording society by milking three times a day.
- 1899 SMITH, J. W. G. Care for the calves in building up the dairy herd of to-morrow. Farmer and Settler 37(31): 6. Sept. 3, 1943. 23 F226
- 1900 STONEROD, F. B. Bill [William F.] Dressler, Nevada pioneer and stockman. West. Livestock Jour. 22(1): 30, 32. Nov. 15, 1943. 6 F2278
- 1901 TANGER, MARY. "Oh how I hate to get up in the morning!" Agr. Student 50(2): 14. Nov. 1943. 6 Ag84  
Women as milk testers for dairy herd improvement associations.
- 1902 TARASSUK, N. P., and REGAN, W. M. A study of the blood carotene in relation to lipolytic activity of milk. Jour. Dairy Sci. 26: 987-996. Nov. 1943. 44.8 J822  
"The level of carotene in blood or milk fat is not per se the factor causing a cow to secrete milk that will spontaneously develop a hydrolic rancidity."
- 1903 THOMPSON, O. W. Profits higher with fewer dairy cows. Farmer-Stockman 56: 492. Dec. 1943. 6 Ok45  
Production records, and their value in culling.
- 1904 TOENS, P. Essentials for better dairying. South African Dairymen 5: 199-200. Oct. 1943. 44.8 So822
- 1905 TURK, K. L. Proper milking pays good dividends. Md. Farmer 27(11): 9. Nov. 1943. 6 M362
- 1906 TURNER, C. W. Training new hands to milk. Hoard's Dairymen 88: 685, 704-705. Dec. 10, 1943. 44.8 H65
- 1907 VEIGA, J. S. "Como evitar a diminuição da produção do leite na 'sêca'?" Rev. dos Criadores 14(12): 46-48; (13): 22-25, 52. Aug., Sept. 1943. 43.8 R32  
Dairy cattle feeding and milk production during the dry seasons in Brazil.
- 1908 VIDAL, B. A. S. Tração animal bovina. Rev. Rural Brasil. 23(275): 24. July 1943. 9.2 B733
- 1909 VIEIRA, L. G. Ordenha higienica. Bahia, Brazil. Coop. Inst. de Pecuária. Bol. 6(38): 7-8. Apr./June 1943. 49.9 B14  
Sanitary milking and care of dairy utensils.
- 1910 VILLARES, J. B. A grande exposição de animais em Uberaba. Rev. Rural Brasil. 23(274): 50-51. June 1943. 9.2 B733
- 1911 WISCONSIN AGRICULTURAL EXPERIMENT STATION. Wisconsin pen barn. Hoard's Dairymen 66: 693. Dec. 10, 1943. 44.8 H65  
Production comparison of dairy cows kept in a cold pen-type barn with that of cows kept in a typical dairy barn.



## DOGS AND CATS

Breeds and Breeding

1912 BREEDING and rearing of puppies. By Veteran Handler. Amer. Field 140: 603-604. Dec. 4, 1943. 410 Am3

1913 THE BREEDS in brief, No. 20: Chichuahua. Amer. Kennel Gaz. 60(11): 27-28, 143-144. Nov. 1943. 48.8 Am3

1914 HARVEY, W. D. More about [great sire] Pointer producers. Amer. Field 140: 592-594. Dec. 4, 1943. 410 Am3

1915 LEA, A. J. The inheritance of coat and nose colour in long-haired Dachshunds. Jour. Genet. 45: 197-205. Oct. 1943. 442.8 J823

1916 McLAUGHLIN, H. E. The Wolfhound and his quarry, are they "brothers in blood?" Amer. Kennel Gaz. 60(11): 20-22. Nov. 1943. 48.8 Am3

1917 STORZ, A. C. The Retriever - Nebraska's all-around hunting dog. Outdoor Nebr. 21(3): 14-17. Nov. 1943. 410 Ou86

Feeds and Feeding

1918 UDALL, R. H. The digestibility of starch in the cat family with special reference to the effect of freezing. Cornell Vet. 33: 360-364. Oct. 1943. 41.8 C81

Veterinary Medicine

1919 BLOOM, FRANK. A cytological study of the tubular epithelium in acute and chronic canine Bright's disease with especial reference to the mitochondria. Amer. Jour. Path. 19: 957-975. Nov. 1943. 448.8 Am59

1920 DACORSO FILHO, PAULO, and SANTOS, J. A. dos. Tumores múltiplos em cães. Soc. Bras. de Med. Vet. Bol. 12: 17-24. Jan./June 1943. 41.9 Sol4

English abstract.

1921 DALLDORF, GILBERT. Lymphocytic choriomeningitis of dogs. Cornell Vet. 33: 347-350. Oct. 1943. 41.8 C81

1922 HAUCK, EMIL. Untersuchungen über die form und abänderungsbreite des hundgebisses. Wien. Tierärztl. Monatsschr. 29: 275-279. June 15, 1942.

1923 HOLMAN, R. L. Necrotizing arteritis in dogs related to diet and renal insufficiency. V. Evidence for a dietary factor. VI. Associated lesions: stomatitis, gastroenteritis and pancreatic fat necrosis. Amer. Jour. Path. 19: 977-1007. Nov. 1943. 448.8 Am59

1924 KOCHAN, W. F. Mummified foetus in the cat. Vet. Rec. 55: 326. Aug. 21, 1943. 41.8 V641

1925 KOSTNER, MAX. Die prophylaktische therapie der puerperalsepsis-plazentarnekrose bei der hündin. Wien. Tierärztl. Monatsschr. 29: 225-229. May 15, 1942.

1926 LINHARES, HERMINIO. Inoculação de virus amarellico em gatos jovens. Inst. Oswaldo Cruz Mem. 38: 201-207. 1945. 448.9 In74

1927 MEYER, L. M., and BLOOM, FRANK. The bone marrow of normal dogs. Amer. Jour. Med. Sci. 206: 637-641. Nov. 1943. 448.8 Am3

1928 PALMEIRO, J. M. Um caso de pasteurelose aviária no gato. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 105-108. 1942. 41.9 L68

Cat acquired infection by eating meat of diseased duck.

1929 PELOURO, J. T. Existência em Portugal do sarcoma venéreo dos cães. (Sarcoma de Sticker.) Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 83-89. 1942. 41.9 L68

1930 PELOURO, J. T. Subsídio para o estudo das parasitoses renais no cão. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 73-81. 1942. 41.9 L68

1931 RITCHIE, J. M. Cat enteritis. Field 182: 354. Oct. 2, 1943. 10 F45

Apparently a beta hemolytic streptococcus infection.

1932 SAWYER, M. E. MacK., and ETTINGER, G. H. The cardiac action of posterior pituitary extract in physiological doses, in the normal dog, and after partial and complete denervation of the heart. Canad. Jour. Res. Sect. D, Zool. Sci. 21: 311-323. Oct. 1943. 470 Cl6CD

1933 SCHLOTTHAUER, C. F. Green's modified canine distemper virus vaccine: a clinical study of its efficacy. Amer. Vet. Med. Assoc. Jour. 103: 290-292. Nov. 1943. 41.8 Am3

1934 SCHNEIDER, I. S. Fenômenos paralíticos consequentes à vacinação antirábica. (Tentativa de tratamento pela ação da estricina.) Soc. Bras. de Med. Vet. Bol. 11: 163-166. Oct./Dec. 1942. 41.9 Sol4

Cases in dogs.

1935 SMITH, A. C. The danger to dogs from rats. Field 182: 520. Nov. 13, 1943. 10 F45

Rats spread leptospiral jaundice.

1936 STREEVER, FRED. Loss of scent in hunting dogs after an attack of distemper. Hunting & Fishing 20(12): 38, 40. Dec. 1943. 410 H922

1937 TURNBULL, N. R. Tetanus in the dog. Vet. Rec. 55: 279-280. July 17, 1943. 41.8 V641

1938 ULLRICH, K. Noch ein fall von sekundärer bauchhöhlenträchtigkeit beim hund. Wien. Tierärztl. Monatsschr. 29: 279-282. June 15, 1942.

1939 VIEIRA, JORGE. Eczematose interdital em Canis familiaris diabético. Soc. Bras. de Med. Vet. Bol. 11: 161-162. Oct./Dec. 1942. 41.9 Sol4

Miscellaneous

1940 ALDENEDGE, JAMES. Dog that stuck by Old Glory. Our Dumb Animals 76: 224. Dec. 1943. 48.8 Ou7

Describes a Navy mascot's return from Peru to his own ship in the United States.

1941 ARMY dogs among the Alps...From Official Information Bureau of Switzerland. Amer. Kennel Gaz. 60(11): 16-19, 152-153. Nov. 1943. 48.8 Am3

1942 BROWN, G. V. I. Dog mentality. Amer. Field 140: 605-606. Dec. 4, 1943. 410 Am3

1943 DROUGET, J. B. Example in gun-dog training. Country Life [London] 94: 513. Sept. 17, 1943. 80 C83

1944 HAVEN, CHRISTOPHER. Man's staunch ally, the working dogs of the Nation. Land [Sydney], No. 1654, p. 5-6. Aug. 25, 1943. 23 L22

1945 HAWES, H. B. The dog. Pa. Game News 14(8): 3, 20-21. Nov. 1943. 412.9 P38Pe

"Reprinted from the Congressional Record, February 3, 1923, Washington, D. C."

1946 LITTLE, HORACE. The gun-shy dog; careful training can definitely prevent this curse of gun-dogs. Field & Stream 48(8): 96, 98-99. Dec. 1943. 410 F45

1947 THE REAL American Kennel Club. By Diogenes. Part 20. Amer. Kennel Gaz. 60(11): 31-32, 144. Nov. 1943. 48.8 Am3

1948 SMITH, A. C. Canine companions after the war. Field 182: 388. Oct. 9, 1943. 10 F45

1949 SOMERVILLE, E. O. E., and ROSS, MARTIN. A habit of Fox-Terriers. Country Life [London] 94: 551. Sept. 24, 1943. 80 C83

## HORSES AND MULES

Breeds and Breeding

1950 ALVES, C. E. Must all great horses come from great mares? Thoroughbred Rec. 138: 373, 384. Nov. 13, 1943. 42.8 T39

1951 BOWMAN, H. O. Prince, a great paint pony. Cattleman 30(6): 99-100. Nov. 1943. 49 C29

1952 CASARES, E. R. Razas de tiro pesado; datos y supuesto origen de la raza "Shire." Campo [Buenos Aires] 27(323): 4, 6, 84. Sept. 1943. 9 C15

The Shire horse.

1953 CRANE, A. McK. The Belgian horse. East. Breeder 5(6): 50-53. Nov. 1943. 49 V51



- 1954 DENHARDT, R. O cavalo crioulo no Rio Grande do Sul e nos Estados Unidos. *Rev. Agron. Porto Alegre, Brazil*, 7(79): 359-360. July 1943. 9.2 R325  
Description of the Quarter Horse.
- 1955 \*DUCK, G. W. Die warmblutnuchtgebiete in Danzig-Westpr. (Cont.) *Deutsch. Warmblut* 37: 90-91. June 1942.
- 1956 ECHENIQUE FILHO, GUILHERME. Horses of the Americas. *West. Live Stock* 29(5): 20, 28, 30. Nov. 1943. 49 W523  
"Translated from the original, which appeared in the September issue of *A Fazenda*."  
Historical description of the native breed known in the United States as Quarter Horse, in the Spanish speaking countries as Criollo, in Brazil as Crioulo.
- 1957 ESTES, J. A. Birthrank and class in race horses. *Blood-Horse* 40: 701-702. Dec. 4, 1943. 42.8 T392
- 1958 \*FEUERSINGER, Geschichtliche entwicklung der Haflingerzucht. *Deutsch. Warmblut* 37: 85-89. June 1942.  
A small mountain horse bred in Tyrol.
- 1959 FORESTER, FRANK. History of the Vermont draught-horse. *Morgan Horse Mag.* 2(4): 76-77. May/July 1943. 42.8 M82
- 1960 \*GRAMATZKI, FR. Über das hauptgestüt Trakehnen - Die Fuchsherde. (*Deutsches Warmblut*). *Deut. Landw. Tierzucht* 47: 140-141. June 19, 1943.  
"(Entnommen der Zeitschr. 'Das Westpr. Warmblutpferd Trakehner Abstammung')"
- 1961 \*HAGEMANN, E. Vollblüter für den aufbau der zuchten in den neugewonnenen ostgebieten in Ukraine. *Deutsch. Warmblut* 38: 26-27. Feb. 1943.
- 1962 HERVEY, JOHN. Race horse breeding. *Harness Horse* 9: 91-92. Nov. 24, 1943. 42.8 H22
- 1963 KIRKPATRICK, HADEN, and BERRYMAN, EVELYN. The old hockum bucket. Statistics show that variance in age of sire and dam is of little importance. *Thoroughbred Rec.* 138: 369. Nov. 13, 1943. 42.8 T39
- 1964 KLAUE, LOLA. The versatile Arabian. *Horse* 24(5): 23-24. Sept./Oct. 1943. 42.8 R28
- 1965 \*KNEBUSCH, V. Gedanken zur französischen pferdezucht. *Deutsch. Warmblut* 37: 17-20. Feb. 1942.
- 1966 LODER, JOHN. Lehnendorff on horse breeding. *Field* 182: 502. Nov. 13, 1943. 10 F45  
The first of "a few articles" giving "a summary and criticism of the views of some of the older and classic authorities on breeding and racing." This one is on "Horse breeding recollections" by Count Georg Lehnendorff, published in 1883.
- 1967 MOSS, TOM. Walking Horses [Tennessee] for the West. *Natl. Horseman* 79(11): 27, 76. Nov. 1943. 42.8 N21
- 1968 OBERTI, FEDERICO. Caballos y pelajes criollos. *Chacra* 13(156): 40-42, 61. Oct. 1943. 9 C34
- 1969 STEELE, D.G. How animals inherit. *Blood Horse* 40: 707-708. Dec. 4, 1943. 42.8 T392
- Feeds and Feeding**
- 1970 DINSMORE, WAYNE. Good pastures are cheapest and best foods. *Thoroughbred Rec.* 138: 352. Nov. 6, 1943. 42.8 T39
- 1971 DINSMORE, WAYNE. Special report on winter pastures. *Natl. Horseman* 79(11): 82. Nov. 1943. 42.8 N21
- Veterinary Medicine**
- 1972 CONTE, H. S. V., and COELHO, F. F. Ensaios de vacinação de éguas gestantes com anatoxina tetânica. *Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab.* 5: 17-30. 1942. 41.9 L68
- 1973 EDWARDS, J. T. The so-called virus abortion in mares. *Vet. Rec.* 55: 266. July 3, 1943. 41.8 V641
- 1974 EDWARDS, P. R., and DIMOCK, W. W. Equine virus abortion. *Blood-Horse* 40: 728-730, 732-733. Dec. 4, 1943. 42.8 T592
- 1975 EDWARDS, W. T. Fascioliasis in a mule in India. *Roy. Army Vet. Corps, Jour.* 15: 12. Nov. 1943. 41.8 G79  
Fasciola hepatica.
- 1976 FORTUNE, L. A., and MORSE, E. V. Heat stroke in a horse. *Cornell Vet.* 33: 576-578. Oct. 1943. 41.8 C81
- 1977 FREUND, S. Inflammation of the lymphatic vessels in horses. *Hassadeh [Tel-Aviv]* 23: 342-343. Sept. 1943. 26 H27  
Text in Hebrew.
- 1978 FROST, J. N., and HALLER, C. J. Cesarean section in a mare. *Cornell Vet.* 33: 378-381. Oct. 1943. 41.8 C81
- 1979 LEO, R. L. Ectromelia bitorácica de polidro. *Soc. Bras. de Med. Vet. Bol.* 11: 153-156. Oct./Dec. 1942. 41.9 S614
- 1980 \*OPPERMANN, MARTIN. Beobachtungen am sirkulationsapparat und blutbild ausgewusterter und erschöpfter, entkräfteter heerespferde. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 126-131. July 5, 1943.
- 1981 RIDGE, J. E. M. A case of laminitis in a horse, with a curious sequel. *Roy. Army Vet. Corps, Jour.* 15: 11. Nov. 1943. 41.8 G79
- 1982 SHUTTLEWORTH, A. C. The function of the femoro-patellar joint of the horse. *Roy. Army Vet. Corps, Jour.* 15: 2-7. Nov. 1943. 41.8 G79
- 1983 TOWNSEND, C. W., and LAWFIELD, F. G. C. Complications due to adhesions at a cryptorchid operation in a horse. *Vet. Jour.* 99: 268-269. Oct. 1943. 41.8 V643
- 1984 \*UBERREITER, O. Strahlbeinfraktur beim pferde. *Wien. Tierärztl. Monatsschr.* 29: 229-231. May 15, 1942.
- 1985 \*WALCH, JOSEF. Der gipsverband zur behandlung des hufkrebses. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 152. July 5, 1943.
- 1986 \*WIRTH, D. Vorhofflimmern und -flattern beim pferde. *Wien. Tierärztl. Monatsschr.* 29: 241-251. June 1, 1942.
- Miscellaneous**
- 1987 BOSWORTH, C. E. What? ... No army buying yet? *Horse* 24(5): 3-6. Sept./Oct. 1943. 42.8 R28
- 1988 CASTAÑEDO, J. A. Vida y costumbres de los "hatajos" of horses. *Rev. Ganad. [Havana]* 3(8/9): 16-18. Aug./Sept. 1943. 49 R321
- 1989 GREEN, NEWCOMB. Recipe for a champion: Consistency, endurance, grit. *Thoroughbred Rec.* 138: 354, 356. Nov. 6, 1943. 42.8 T39
- 1990 HARDY, ERIC. German horses will suffer most in European invasion. *Horse* 24(5): 25-26. Sept./Oct. 1943. 42.8 R28
- 1991 HORST, A. L. Mounted Defense Units aid riding. *Horse* 24(4): 27-29. July/Aug. 1943. 42.8 R28  
Horses for auxiliary police duty in the United States and England.
- 1992 JARNAGIN, M. P. Walking horses for health and pleasure. *Natl. Horseman* 79(11): 28. Nov. 1943. 42.8 N21
- 1993 KING, W. S., and MOLLER, A. W. Experiences of air bombardment in an urban area. *Vet. Jour.* 99: 258-268. Oct. 1943. 41.8 V643  
Work with the National Air Raid Precautions for Animals Committee on horses in air raids.
- 1994 LAFORTUNE, J. G. Transport des chevaux. *Forêt Québécoise* 6: 256. Dec. 1943. 99.8 F79
- 1995 LAMOND, H. G. Equine education. II-III. (Concl.) *Past. Rev.* 53: 557-558, 615-616. Aug. 16, Sept. 16, 1943. 23 An75
- 1996 McNICHOLS, C. L. We won't eat ours. *Horse* 24(5): 16-17. Sept./Oct. 1943. 42.8 R28



- 1997 PHILLIPS, E.E. British remount depot trains pack horses. *Cavalry Jour.* 52(6): 82-83. Nov./Dec. 1943. 42.9 Un3
- 1998 RAMER, F. W. Training and breaking walking horses. *Natl. Horseman* 79(11): 52, 76. Nov. 1943. 42.8 N21
- 1999 ROAIDES, GEORGE de. Lightness, flexibility of jaw, collection. *Horse* 24(5): 9-12. Sept./Oct. 1943. 42.8 R28
- 2000 SMALE, BILL. What kind of riding horse will you sell the beginner? *West. Livestock Jour.* 22(1): 165, 172-173. Nov. 15, 1943. 6 F2278
- 2001 SMITH, SIR FREDERICK. How the horse sleeps, good rest essential. *Land [Sydney]*, No. 1655, p. 7. Aug. 27, 1943. 23 L22
- 2002 VICARS, MRS. H. A. My experience in training two stallions. *West. Livestock Jour.* 22(1): 164, 170-171. Nov. 15, 1943. 6 F2278
- 2003 WALL, J. F. A horse-breeders' calendar. *East. Breeder* 5(6): 41-44. Nov. 1943. 49 V81
- 2004 WILD, H. F. Early days of the horse in Hawaii. *Horse* 24(4): 15-16. July/Aug. 1943. 42.8 R28
- 2005 WOODBURN, L. S. Notes on elementary training. *Horse* 24(4): 9-13. July/Aug. 1943. 42.8 R28

## POULTRY

breeds and breeding

- 2006 ALEXANDER, MALCOLM. The Russian Trumpeter [pigeon]. *Pigeon News* 49(872): 4, 17. Nov. 1943. 47.8 P621
- 2007 ALTPETER, EUGENE. Fantails and Fantail [pigeon] clubs. *Pigeon News* 49(871): 17. Oct. 1943. 47.8 P621
- 2008 ANDERSON, J. G. Dragoon [pigeon] chatter. *Pigeon News* 49(872): 5. Nov. 1943. 47.8 P621
- 2009 BARTON, O. A. Save turkey hens for breeding use. *Dakota Farmer* 63: 498-499. Nov. 13, 1943. 6 D14
- 2010 BERNIER, PAUL-ÉMILE. La génétique avicole et ses résultats pratiques. *Bul. des Agr.* 39(11): 11, 21, 24. Nov. 1943. 7 B872
- 2011 BROWN, M. W. The Orpingtons, unsurpassed as table fowl and unapproached in beauty. *Poultry Press* 30(1): 6. Nov. 18, 1943. 47.8 P8643
- 2012 BUSCALL, D. C. Registration bureau for racing pigeons. *Amer. Pigeon Jour.* 32: 300. Oct. 1943. 47.8 Am35
- 2013 CAMPBELL, H. L. A story of the Show Homer. I-II. (Cont.) *Pigeon News* 49(871): 6, 12; (872): 10-11. Oct., Nov. 1943. 47.8 P621
- 2014 CAMPBELL, H. L. Vanishing pigeons—Part one...three ancient breeds described; progenitors of modern pigeons. *Amer. Pigeon Jour.* 32: 295, 310. Oct. 1943. 47.8 Am35
- The Ancient, Capuchin and Egyptian Swift breeds are described.
- 2015 CLARK, N. M. New dual-purpose hen. *Country Gent.* 113(12): 15, 27. Dec. 1943. 6 O833
- New breed, as yet unnamed, developed by Horace Dryden of Modesto, Calif., through perfecting a cross between Barred Plymouth Rock and White Leghorn. Includes description, also, of the pioneer poultry experiments of the father, James Dryden.
- 2016 DIETRICH, I. W. Tipplers [pigeons]. *Pigeon News* 49(872): 17. Nov. 1943. 47.8 P621
- 2017 DOUGHERTY, J. E. Blood spots in eggs due to hereditary weakness and to be controlled through breeding. *Nulaid News* 21(7): 6. Oct. 1943. 47.8 N917
- 2018 FELDKAMP, WALTER. Clock birds. (The story of E. Lang Miller.) *Amer. Racing Pigeon News* 59(11): 3-5. Nov. 1943. 47.8 H75
- Strain of racing pigeon bred by Edwin Lang Miller.
- 2019 FINSTERBUSCH, C. A. La raza Plymouth Rock. (To be cont.) *Mundo Avícola* 6(66): 6-8, 12, 58. Aug. 1943. 47.8 M92
- 2020 GILLETTE, J. R. Mille Fleur Bantams. *Poultry Press* 30(1): 2. Nov. 18, 1943. 47.8 P8643
- 2021 GRAHAM, L. P. Vanishing varieties [of poultry]. 1-7. (Cont.) *Cackle and Crow* 25(6): 7; (7): 7; (8): 7; (10): 3; (12): 7; 26(1): 5. Mar. 15, Apr. 15, May 15, July 15, Oct. 15, Nov. 15, 1943. 47.8 C11
1. Standard [now Modern] Game Fowl. 2. The Sultan. 3. Brown Leghorns. 4. The American Dominique. 5. [Omitted in numbering?]. 6. Faverolles. 7. White Faced Black Spanish.
- 2022 GUTHRIE, A. J. Hatcherymen can increase egg production 10 percent by using Victory Cockerels; urged to place orders early so breeders can plan accordingly. *Hatchery Tribune* 17(11): 58, 61. Nov. 1943. 47.8 H28
- 2023 HECKSTALL-SMITH, HUGH. How to become an accredited poultry breeder. *Poultry Farmer [London]* 109(2835): 3. Oct. 22, 1943. 47.8 F312
- 2024 HOFFMANN, EDMUND. Superior strains of chicks for better poultry production. *Peninsula Broiler Jour.* 3(11): 1-2. Oct. 4, 1943. 47.8 P37
- 2025 HOLLANDER, W. F. Skin-color control in market squabs...color controlled by appropriate color crossings. *Amer. Pigeon Jour.* 32: 294. Oct. 1943. 47.8 Am35
- 2026 HOWES, H. Watch the pullets for egg size; it's a good check on breeding performance. *Mod. Poultry Keeping* 49: 298. Oct. 27, 1943. 47.8 Eg3
- 2027 HUMTEL, L. E. Swallow [pigeon] lofts of Eugene Kistler, Allentown, Pa. *Pigeon News* 49(871): 11. Oct. 1943. 47.8 P621
- 2028 HURDLE, ROSE. Chickens with everything. *Pacific Poultryman* 47(10): 13. Nov. 1943. 47.8 P113
- Value of the Partridge Plymouth Rock for egg production and meat quality.
- 2029 JAMES, R. S. From jungle to laying house. *So. African Poultry, Pigeon and Bird Mag.* 49: 431-432. Aug. 1943. 47.8 So83
- 2030 JULL, M. A. Better breeding the key to future profits. *Poultry Tribune, East. Ed.* 49(11): 10-11, 30-31. Dec. 1943. 47.8 P8642
- 2031 KLEIN, G. T. Asack's [Eddie Asack's] "double breasted" [Bronze] turkeys. *New England Homestead* 116(23): 1. 9. Nov. 27, 1943. 6 N442
- 2032 LERNER, I. M. Inheritance of size in single-comb white leghorns. *Jour. Agr. Res.* 67: 447-457. Dec. 1, 1943. Ref., p. 456-457. 1 Ag84J
- 2033 MUNRO, S. S. 10,000 pullets for one outstanding male. *Poultry Farmer [London]* 109(2834): 3. Oct. 15, 1943. 47.8 F312
- 2034 PAINE, E. A. Best cage breed [are Leghorns and other light breeds]. *Poultry Farmer [London]* 109(2836): 8. Oct. 29, 1943. 47.8 F312
- 2035 PANE MERCE, JOSÉ. La repoblación del gallinero. *Surco* 2(15): 17-18. June 1943. 15 Su7
- 2036 PHILLIPS, M. R. Langshans; practical value of this grand old [poultry] breed and a little of its ancient history. (Concl.) *Poultry Press* 29(23): 1-2. Sept. 23, 1943. 47.8 P8643
- 2037 PLATT, C. S. Flock mating test points the way; was a profit of \$6.46 per bird a freak, or could this be maintained under actual laying house conditions with good stock? *Feedstuffs* 15(48): 26, 28-29. Nov. 27, 1943. 286.81 F322
- 2038 RAIMO, H. F. Os trabalhos do pedigree individual im avicultura. *Rev. dos Criadores* 14(13): 61-62. Sept. 1943. 47.8 R32
- Individual net bags or separate compartments used.
- 2039 REYNOLDS, J. D. The Duchesse pigeon. *Pigeon News* 49(871): 7. Oct. 1943. 47.8 P621



- 2040 ROBERTSON, W. R. B., BOHREN, B. B., and WARREN, D. C. The inheritance of plumage color in the turkey. Errors in turkey plumage article [in Aug. issue, p. 246-256]. Jour. Hered. 34: 257. Sept. 1943. 442.8 Am3
- 2041 ROTHPLETZ, JACK. Roller [pigeon] flying our favorite hobby...author describes flying of finished kit and baby kit. Amer. Pigeon Jour. 32: 291. Oct. 1943. 47.8 Am35
- 2042 STANDARD of perfection in Indian Game fowls as fixed and adopted by the Indian Game Club of England. Southeast. Cornish News 3(11): 6. Nov. 1943. 47.8 So87
- Known in the United States as Cornish.
- 2043 STURGEON, R. H. Barred [Plymouth] Rocks, what the change in the Standard means to the breed; Standard requirements. Poultry Press 30(1): 8. Nov. 18, 1943. 47.8 P8643
- 2044 SWANSON, L. C. "Old Gray One"—a champion racer [pigeon]. Amer. Pigeon Jour. 32: 300-301. Oct. 1943. 47.8 Am35
- 2045 TAYLOR, M. W. Spare no pity for poor quality males [cocks]. Mod. Poultry Keeping 49: 240-241. Oct. 6, 1943. 47.8 Eg3
- 2046 THOMPSON, J. N. Improved Broad Breasted Bronze turkeys. Coastal Cattleman 9(9): 41, 43. Nov. 1943. 43.8 C63
- 2047 TONNIQUE, A. O'H. Baldheads [pigeons] or Baldpates (Or bald facts). Pigeon News 49(871): 15. Oct. 1943. 47.8 P621
- 2048 WAGNER, C. F. The genuine flying Homer [pigeon]...evolution of Homer traced...position of sun guides bird in flight. Amer. Pigeon Jour. 32: 293, 309-310. Oct. 1943. 47.8 Am35
- 2049 WEINHOLD, L. L. Cornish as a utility bird. Southeast. Cornish News 3(11): 8. Nov. 1943. 47.8 So87
- 2050 WOLFE, D. M. Tips on breeding Dark Cornish Bantams. Southeast. Cornish News 3(9): 7; (10): 10. Sept., Oct. 1943. 47.8 So87
- 2051 WRIGHT, G. F. Exhibition poultry; "the White Crested Black Polish." (To be cont.) West. Poultry Jour. 5(12): 2. Oct. 1943. 47.8 W528
- Feeds and Feeding**
- 2052 BERG, L. R. Are your hens getting enough shell forming material? Washcoegg 21(7): 21, 32-33. Nov. 1943. 47.8 W27
- 2053 BERRY, E. P., and others. A deficiency of available choline in soybean oil and soybean oil meal [for insuring growth and preventing perosis in chicks]. Poultry Sci. 22: 442-445. Nov. 1943. 47.8 Am33P
- C. W. Carrick, Roy E. Roberts, and S. M. Hauge, joint authors.
- 2054 BETHKE, R. M. Adjusting poultry rations to present feed supplies. Feedstuffs 15(46): 27-29. Nov. 13, 1943. 286.81 F322
- 2055 BIRD, H. R., and MARVEL, J. A. Relation of diet to hatchability of eggs produced in batteries and in open-front houses. Poultry Sci. 22: 403-410. Nov. 1943. 47.8 Am33P
- 2056 BIRD, H. R. Vitamin A requirements and supplies [for poultry]. Feedstuffs 15(47): 37-40. Nov. 20, 1943. 286.81 F322
- 2057 BIRTWISTLE, VICTOR. Ducks v. pullets in feeding experiment. Mod. Poultry Keeping 49: 296. Oct. 27, 1943. 47.8 Eg3
- 2058 BITTENBENDER, H. A. What are the prospects for enough vitamin A [for poultry]? Hatchery Tribune 17(11): 18-19. Nov. 1943. 47.8 H28
- 2059 BOTSFORD, H. E. Attacks and counterattacks in poultry feeding. [N. Y.] Otsego Co. Farm and Home Bur. News 27(11): 3. Nov. 1943. 275.293 N. Y. Otsego Co.
- 2060 BUENO, R. de C. O farelo de algodão na alimentação das aves. Rev. dos Criadores 14(13): 71-73. Sept. 1943. 43.8 R32
- 2061 CARRICK, C. W. Meeting vitamin deficiencies for poultry. Grain and Feed Jours. Consolidated 91: 398. Nov. 10, 1943. 298.8 G762
- 2062 CARRICK, C. W. Poultry rations should be adjusted to meet variations in feed intake. Feed Bag 19(11): 49-50, 79. Nov. 1943. 389.78 F32
- 2063 CARRICK, C. W. War-time shifts in poultry rations. Flour & Feed 44(6): 22, 24. Nov. 1943. 298.8 F66
- Also in Grain & Feed Jours. Consolidated 91: 440-441. Nov. 24, 1943. 298.8 G762
- 2064 GLANDININ, D. R. Meeting the riboflavin needs of poultry. Amer. Miller 71(11): 47, 82. Nov. 1943. 298.8 Am32
- 2065 COUCH, V. M. Feeding and watering [poultry]. Natl. Barred Rock Jour. 33(6): 3. Oct. 1943. 47.8 In8
- 2066 DENTON, C. A., and TITUS, H. W. Water transfer in stored eggs: effect of protein content of the diet of chickens and of length of the storage period. Poultry Sci. 22: 451-456. Nov. 1943. 47.8 Am33P
- 2067 DRAPER, C. I., and BICE, C. M. For poultry efficiency; save feed and labor! Hawaii Farm and Home 6(11): 5. Nov. 1943. 25 H3191
- 2068 EVANS, E. V., SLINGER, S. J., and MARCELLUS, F. N. Use of crystalline riboflavin in practical poultry rations. I. Growth studies. Poultry Sci. 22: 433-437. Nov. 1943. 47.8 Am33P
- In chicks up to 10 weeks of age.
- 2069 FARNSWORTH, Mrs. Henry. Pullets are the best bet. Mo. Ruralist 84(21): 3. Nov. 13, 1943. 6 R8891
- Feeding and diseases are discussed.
- 2070 FRAPS, G. S. Relation of the protein, fat, and energy of the ration to the composition of chickens. Poultry Sci. 22: 421-424. Nov. 1943. 47.8 Am33P
- Possibility of producing market chickens of any desired fat content.
- 2071 GLASER, E. G. Making pullets lay; birds need careful daily attention. Nebr. Farmer 85(21): 35. Nov. 6, 1943. 6 N27
- Feeding, care, and management.
- 2072 HAMMOND, J. C., and TITUS, H. W. Substitutes for dried skim milk in the diet of growing chickens. Poultry Sci. 22: 411-414. Nov. 1943. 47.8 Am33P
- 2073 HECKSTALL-SMITH, HUGH. Becoming an accredited [poultry] breeder - jig-saw puzzle with food. Poultry Farmer [London] 109(2836): 3. Oct. 29, 1943. 47.8 F312
- 2074 HEUSER, G. F. Feeding values of various grains in poultry feeds. Feed Bag 19(11): 80. Nov. 1943. 389.78 F32
- 2075 HEYWANG, B. W. Some results of feeding diets of varying fat content to laying pullets. Poultry Sci. 22: 446-450. Nov. 1943. 47.8 Am33P
- Corn oil used to supply fat. Studies made of egg production, food consumption, and live weight.
- 2076 HUBEL, J. H. Business of stuffing live geese; a super fattening job that requires expert knowledge, and produces carcasses that sell for the top prices. Poultry Herald 55(9): 3-4. Nov. 1943. 47.8 P862
- 2077 HUNT, KENNETH, and others. Feeding trials with household garbage. Harper Adams Util. Poultry Jour. (n.s.) 28: 37-48. July 1943. 47.8 P8612
- E. T. Halnan, M. S. Pease, Theresa Ashton, and Dennis Page, joint authors.
- 2078 INGHAM, I. M., and LAW, A. C. Start planning home grown greens now [for poultry grazing]. Washcoegg 21(7): 7-8. Nov. 1943. 47.8 W27
- 2079 JUKES, T. H., and McELROY, L. W. Observations on the pantothenic acid requirement of chicks. Poultry Sci. 22: 438-441. Nov. 1943. 47.8 Am33P



- 2080 KINSER, E. H. A "keyhole view" of the 1944 [poultry] feed situation. Southeast. Cornish News 3(10): 6. Oct. 1943. 47.8 So87  
Methods of feeding and care are suggested.
- 2081 McCHESNEY, E. W. Studies of calcium and phosphorus metabolism in the chick. II. Relative antirachitic effectiveness of vitamins D<sub>2</sub> and D<sub>3</sub> and dihydrotachysterol administered parenterally. Jour. Nutr. 26: 487-498. Nov. 10, 1943. 389.8 J82
- 2082 MEDICI, MIGUEL. Alimentacion invernal. [for poultry]. Mundo Avicola 6(66): 41-42. Aug. 1943. 47.8 M92
- 2083 MEHRHOF, N. R., and WEBB, J. D. Florida calcareous supplements for egg production. Grain and Feed Jours. Consolidated 91: 398. Nov. 10, 1943. 298.8 G762
- 2084 MILLER, J. P. Silage for poultry. Wash-coegg 21(7): 9-10. Nov. 1943. 47.8 W27
- 2085 MOORE, O. K. How to use poultry feed wisely. Fla. Grower 51(11): 9. Nov. 1943. 80 F6622
- 2086 MORRIS, LAWRENCE. Poultry is on fighting rations. Farmer-Stockman 56: 506. Dec. 1943. 6 Ok45
- 2087 MOTZOK, I., and HILL, D. C. Further studies of factors influencing the A.O.A.C. chick method of vitamin D assay. Assoc. Off. Agr. Chem. Jour. 27: 516-521. Nov. 15, 1943. 381 As7
- 2088 PARKHURST, R. T. Some newer knowledge of poultry nutrition. Feedstuffs 15(46): 14-15. Nov. 13, 1943. 286.81 F322
- 2089 PATRICK, H., and MORGAN, C. L. An unidentified nutrient required for proper utilization of dl-alpha-tocopherol by the chick. Science 98: 434-435. Nov. 12, 1943. 470 Sci2
- 2090 ROBERTS, R. E., and CARRICK, C. W. Influence of starting rations upon subsequent growth [of chicks]. Poultry Sci. 22: 425-432. Nov. 1943. 47.8 Am33P
- 2091 ROBERTSON, E. I. Feeding for egg production. Florists' Exch. 101(21): 9. Nov. 20, 1943. 80 F666
- 2092 ROBERTSON, E. I. Red corn for poultry. [N. Y.] Dutchess Co. Farm Bur. News 26(5): 5. Nov. 1943. 275.293 N. Y., Dutchess Co.
- 2093 ROOME, C. A. Farm flock feeding for winter eggs. Farmer & Stock Breeder 57: 1725. Nov. 2, 1943. 10 F228
- 2094 SERFONTEIN, P. J. Aartappels in pluimveerantsoene. So. African Poultry, Pigeon and Bird Mag. 49: 437. Aug. 1943. 47.8 So83
- 2095 SMITH, E. Y. Are your birds getting enough vitamin A? [N. Y.] St. Lawrence Co. Farm and Home Bur. News 28(9): 8. Nov. 1943. 275.293 N. Y. St. Lawrence Co.
- 2096 TAYLOR, M. W. Next season's PAGE [Poultry Association of Great Britain] farm [feeding] experiments. Mod. Poultry Keeping 49: 276. Oct. 20, 1943. 47.8 Eg3
- 2097 TEMPERTON, H., and DUDLEY, F. J. The feeding of high levels of semi-dried town kitchen waste to laying stock. Harper Adams Util. Poultry Jour. (n.s.) 28: 49-51. July 1943. 47.8 P8612
- 2098 TEMPERTON, H., and DUDLEY, F. J. The feeding of steamed potatoes to breeding [poultry] stock. Harper Adams Util. Poultry Jour. (n.s.) 28: 34-36. July 1943. 47.8 P8612
- 2099 TITUS, H. W. When the cupboard runs bare! Adjust rations to use available feedstuffs [to poultry]. Poultry Tribune, East. Ed. 49(10): 9, 20-22. Nov. 1943. 47.8 P8642
- 2100 TOMEY, A. F. Soil [for poultry] more important than grass? Poultry Farmer [London] 109 (2834): 6. Oct. 15, 1943. 47.8 F312
- 2101 URI, DAVID. Supply of vitamin A for poultry. Hassadeh [Tel-Aviv] 23: 310-311. July/Aug. 1943. 26 H27  
Text in Hebrew.
- 2102 USANDIVARAS, JUAN. Alimentos a elegir en avicultura. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(761): 19-22. Sept. 30, 1943. 287 R71  
Tables of feed analyses are given.  
Also in Mendoza, Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr. 11(1/3): 30-35. Jan./Mar. 1943. 9 M52B
- 2103 WILKINSON, J. F. Give them what it takes. Hoard's Dairyman 88: 706. Dec. 10, 1943. 44.8 H65  
Poultry feeding.

### Veterinary Medicine

- 2104 BEAUDETTE, F. R. Nueva vacuna para el tratamiento de la viruela. Mundo Avicola 6(65): 6-10. July 1943. 47.8 M92
- 2105 BECKMAN, HARRY, and SMITH, JANE. A new method of counting plasmodia in avian malaria infections. Jour. Lab. and Clin. Med. 28: 1735-1740. Nov. 1943. 448.8 J8233  
Plasmodium cathemerium counted by standard and by new method.
- 2106 BEESON, F. W. A new approach to solving leucosis. Canada Poultryman 50(11): 15-17. Nov. 1943. 47.8 Cl66
- Theory that cause is molds in feed.
- 2107 BLOUNT, W. P. Nodular necrosis of the lungs in pigeons. Roy. Army Vet. Corps, Jour. 15:12. Nov. 1943. 41.8 G79
- 2108 BOHREN, B. B., CONRAD, R. M., and WARREN, D. C. A chemical and histological study of the feather pigments of the domestic fowl. Amer. Nat. 77: 481-518. Nov./Dec. 1943. Ref. 470 Am36
- 2109 BUENO, R. de C. Neurolinfomatose: um grave problema para a avicultura. Rev. dos Criadores 14 (12): 61-64. Aug. 1943. 45.8 R52
- 2110 CAMPBELL, J. G. Histiocytic and fibroplastic sarcoma (mixed-cell sarcoma) in the domestic fowl. Jour. Compar. Path. and Ther. 53: 325-328. Sept. 1943. 41.8 J82
- 2111 CARR, J. G. Prolonged antibody production following recovery of fowls from Rous No. 1 sarcoma. Brit. Jour. Expt. Path. 24: 138-140. Aug. 1943. 448.8 B772
- 2112 CARR, J. G. The relation between age, structure, and agent content of Rous No. 1 sarcomas [of fowls]. Brit. Jour. Expt. Path. 24: 133-137. Aug. 1943. 448.8 B772
- 2113 CARVALHO e SILVA, F. de S. de. Blastômas de aves disgerminôma (seminôma) do ovário de galinha. Soc. Bras. de Med. Vet. Bol. 11: 143-151. Oct./Dec. 1942. 41.9 Sol4
- 2114 DELAPLANE, J. P. Practical methods for controlling sinusitis [of turkeys]. Turkey World 18 (11): 22-25. Nov. 1943. 47.58 T84
- 2115 DURAN, J. J. Colera aviaria. Agr. Mex. 59 (9): 13-14. Sept. 1943. 8 Ag6
- 2116 FULLER, S. A. No remedy or drug for all worms. Poultrymen should learn kind of intestinal worms before treatment. West. Poultry Jour. 5(11): 1. Sept. 1943. 47.8 W528
- 2117 GLASER, E. G. Worm the pullets before moving them to winter quarters. Utah Farmer 63(6): 22. Oct. 25, 1943. 6 D45
- 2118 GUHL, A. M. Influencia de las hormonas sexuales sobre gallos y gallinas. Mundo Avicola 6 (65): 11-12, 15-16, 18. July 1943. 47.8 M92
- 2119 HAWKINS, P. A. Sulfamethazine treatment of cecal coccidiosis [in chickens]. Poultry Sci. 22: 459. Nov. 1943. 47.8 Am33P
- 2120 HINSHAW, W. R. Forty questions and answers on turkey diseases. Calif. Turkey News, Sept. 1943, p. 15, 17, 19. 47.58 Cl2
- 2121 HINSHAW, W. R., and McNEIL, E. Salmonella newington infection in turkeys. Poultry Sci. 22: 415-420. Nov. 1943. 47.8 Am33P
- 2122 HINSHAW, W. R. What does "tested" mean? Type of pullorum test, number of reactors and subsequent flock management determines value. Turkey World 18(11): 20-21, 36. Nov. 1943. 47.58 T84



- 2123 IRWIN, W. E. How to combat coryza [in poultry]. *Checkerboard News* 5(4): 14-15. Aug./Sept. 1943. 389.78 C41
- 2124 IRWIN, W. E. Light on the fowl paralysis complex. You may hear it called fowl paralysis, leucosis, lymphamintosis, neuro-lymphamintosis, or perhaps some other names that are more graphic than scientific... here is a suggested control program. *Checkerboard News* 5(5): 18-19. Oct./Nov. 1943. 389.78 C41
- 2125 \*LÁSZLÓ, FRANZ. Tuberkulose bei einer taube. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 125-126. July 3, 1943.
- 2126 LEVIN, M. Experiments with infectious bronchitis of poultry. *Hassadeh [Tel-Aviv]* 23: 343-346. Sept. 1943. 26 H27  
Text in Hebrew.
- 2127 LEVINE, P. P. Additional field outbreaks of coccidiosis in chickens due to *Eimeria brunetti*. *Cornell Vet.* 33: 383-385. Oct. 1943. 41.8 C81
- 2128 LEVINE, P. P. Egg laying troubles. *N. Y. Otsego Co. Farm and Home Bur. News* 27(11): 6. Nov. 1943. 275.293 N. Y. Otsego Co.
- 2129 LINHARES, HERMINIO. Suscetibilidade de pintos ao virus amarello neurotrópico. *Inst. Oswaldo Cruz Mem.* 38: 225-251. 1943. 448.9 In74
- 2130 LOCKHART, G. P. La diarrea blanca de los pollitos, o enfermedad pullorum, y su profilaxia. *Campo [Buenos Aires]* 27(322): 28, 52, 64. Aug. 1943. 9 C15
- 2131 LODGE, CYRIL. Disease pointers [for poultry]. *Poultry Farmer [London]* 109(2834): 7. Oct. 15, 1943. 47.8 F312
- 2132 MACHADO, A. V., and RANGEL, N. M. Cistos epidérmicos em *Gallus domesticus*. *Soc. Bras. de Med. Vet. Bol.* 12: 9-12. Jan./June 1943. 41.9 Sol4  
English summary.
- 2133 MARCELLUS, F. N. Pullet disease at housing time. *Farmer's Advocate and Home Mag.* 78: 705. Nov. 11, 1943. 7 F22
- 2134 MOYNIHAN, I. W. Avian osteopetrosis. *Canad. Jour. Compar. Med.* 7: 327-328. Nov. 1943. 41.8 C162
- 2135 O'NEIL, J. B. Morphology of the so-called "breast blisters" [in poultry]. *Poultry Sci.* 22: 457-458. Nov. 1943. 47.8 Am33P
- 2136 PELOURO, J. T. Um caso espontâneo de teratoma testicular num galo. *Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab.* 5: 91-98. 1942. 41.9 L68
- 2137 RAIMO, H. F. Estudos sobre a fisiologia da reprodução em aves. II - Observações sobre a coleta e tecnologia do semen do *Gallus gallus domesticus*. *Bol. de Indus. Anim. (n.s.)* 6: 69-83. Jan./Apr. 1943. 49 R324  
English summary.
- 2138 ROACH, R. W. Two cases of avitaminosis A encountered in poultry. *Vet. Rec.* 55: 265-266. July 3, 1943. 41.8 V641
- 2139 ROBERTSON, E. I. Nature's miracle - the egg; what goes on behind the scenes before one is laid. *Poultry Tribune East. Ed.* 49(11): 20-21. Dec. 1943. 47.8 P8642
- 2140 ROBINSON, LEONARD. Before the pullets get into their stride... tells of some troubles that may arise, and how to meet them. *Mod. Poultry Keeping* 49: 278-279. Oct. 20, 1943. 47.8 Eg3  
Treatment of prolapsus, thin-shelled and shell-less eggs, and floor laying are discussed.
- 2141 ROVEDA, R. J. Helminths de nuestros *Gallus gallus* Linné. *Buenos Aires Univ., Facult. de Agron. y Vet. Rev.* 10: 290-293. Mar. 1943. 9 B863  
Summaries in English and Portuguese.
- 2142 \*SCHMID, F. Die magenwurmseuche der gänse und ihre bekämpfung. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 122. July 3, 1943.
- 2143 SREENIVASAN, M. K., and SANKARANARAYAN, N. S. Spirochaetosis of fowls in India - II. (Concl.) *Vet Jour.* 99: 255-258. Oct. 1943. 41.8 V643
- 2144 TEMPERTON, H. The effects of feeding green and sprouted potatoes to laying pullets. *Vet. Rec.* 55: 359. Sept. 25, 1943. 41.8 V641  
Toxicity of solanine in green skins and sprouts.
- 2145 VICKERS, G. S. Ohio data shows why retesting [for pullorum disease] pays. Part II. *Poultry Supply Dealer* 20(11): 12, 42-43. Nov. 1943. 47.8 B11
- 2146 VICKERS, G. S. Pullorum must go! Adequate control depends on hatchery and chick buyer. *Poultry Tribune* 49(10): 8, 22-24. Nov. 1943. 47.8 P8642
- 2147 WEAVER, L. E. Medication firms render significant [poultry] health service. *Poultry Supply Dealer* 20(11): 7, 32-33. Nov. 1943. 47.8 B11

#### Miscellaneous

- 2148 ALEXANDER, A. K. S. Folds not only system - nor the best for [poultry] breeders. *Poultry Farmer [London]* 109(2835): 4. Oct. 22, 1943. 47.8 F312
- 2149 ANGELL, G. M. Just followed rules [in the poultry business]. *Wash. Farmer East. Ed.* 68(1.e. 78)(23): 3. Nov. 18, 1943. 6 R151  
Accurate records are stressed in describing the experiences of Mr. and Mrs. E. Kaunisto, of Cowlitz Co., Washington.
- 2150 BANKS, E. Weed out all faulty feeble birds [pigeons]. *Amer. Racing Pigeon News* 59(11): 1-2. Nov. 1943. 47.8 H75
- 2151 BARBOUR, E. A. Batteries, minimum acreage required. *Poultry Farmer [London]* 109(2836): 3. Oct. 29, 1943. 47.8 F312
- 2152 BARBOUR, E. A. 1,000 bird battery on 15 acres. *Poultry Farmer [London]* 109(2835): 3. Oct. 22, 1943. 47.8 F312
- 2153 BARNES, OLAN. Conditioning birds [poultry] for the show. *Southeast. Cornish News* 3(10): 2. Oct. 1943. 47.8 S087
- 2154 BARRETT, F. N., GARD, C. G., and BERRIDGE, ASHLEY. Feeding and confinement rearing experiment with turkeys during 1942. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 134-144. Nov. 1943. 100 M588
- 2155 BEARD, W. A. What's wrong with our chickens? [Diseases, poor quality feed, and improper ventilation.] *Successful Farming* 41(12): 39, 45. Dec. 1943. 6 Sul2
- 2156 BEESON, F. W. Dubbing is a kindness. *Canada Poultryman* 30(11): Nov. 1943. 47.8 C166
- 2157 BIRTWISTLE, VICTOR. Plumping up ducklings for the table. *Mod. Poultry Keeping* 49: 240. Oct. 6, 1943. 47.8 Eg3
- 2158 BRESSMAN, E. W., and ALP, H. H. How they raise poultry in South America. *Poultry Tribune East. Ed.* 49(11): 14-16. Dec. 1943. 47.8 P8642  
Though under one title, the articles are separate. That by Alp describes the industry in Brazil.
- 2159 BREWSTER, ANNE. The traveling turkey. *Frontiers* 8: 46. Dec. 1943. 410 F92  
Early homes of the domestic turkey.
- 2160 BROADBENT, V. V. Ruthless with [poultry] replacements. *Poultry Farmer [London]* 109(2834): 6-7. Oct. 15, 1943. 47.8 F312
- 2161 BROOKE, DENISON. Stop that moult. *Farmers Weekly [London]* 19(19): 36. Nov. 5, 1943. 10 F2226
- 2162 BROWN, MARY. Ducks in the garden. *Poultry Farmer [London]* 109(2833): 6-7. Oct. 8, 1943. 47.8 F312
- 2163 BURROWS, W. H. Two-egg-a-day hens. *Amer. Poultry Jour. East. Ed.* 74(12): 61-62. Dec. 1943. 47.8 Am32
- 2164 CASGRAIN, H. E. Spring chicks. *Farm and Dairy* 30(12): 10. Nov. 19, 1943. 6 F2279  
Advice on ordering early chicks.
- 2165 CASTRO BIEDMA, PEDRO. La incubación artificial (II parte). *Pampa Argentina* 17(193): 10. Sept. 1943. 9 P19



- 2166 CASTRO BIEDMA, PEDRO. Necesidad de seleccionar las gallinas de postura. Rev. de Agr. y Com. [Panama] 3(25): 60-62. Sept. 1943. 8 R3291
- 2167 CLINTON, H. F. Burnley egg-laying competition; results of winter test. Victoria Dept. Agr. Jour. 41: 457-458. Sept. 1943. 23 V66J
- 2168 COOPER, MORT. Chicken laundry [prepares fowls for show]. Cackle and Crow 26(1): 8. Nov. 15, 1943. 47.8 C11
- 2169 DAKAN, E. L. Egg production every day. Capper's Farmer 54(11): 8, 52. Nov. 1943. 6 M693
- 2170 DAKAN, E. L. That deep litter question doesn't sound good but it works [in the poultry house]. Ohio Farmer 192(9): 12. Nov. 6, 1943. 6 Oh3
- 2171 DELHAUER, R. R. Control of the utility pigeon loft. Amer. Pigeon Jour. 32: 296-297, 310. Oct. 1943. 47.8 Am35
- 2172 EL DESARROLLO de las aves. Mundo Avícola 6(65): 13, 48-49, 52; (66): 16, 35. July, Aug. 1943. 47.8 M92
- Feeding and care for egg production.
- 2173 DOMESTIC adventures. 10-[15]; (Concl.) Mod. Poultry Keeping 49: 202, 218, 238, 254, 274. Sept. 22, 29, Oct. 6, 13, 20, 1943. 47.8 Eg3
10. Solving the problem of replacements. 11. [Omitted in numbering?]. 12. How I fed my birds. [13?]. Making a success of domestic poultry keeping. [14?]. Figuring out the domestic flock... "Balance sheet." [15?]. Rules for domestic success.
- 2174 DOMINGUES, OTÁVIO, A escolha do ovo para incubar. Rev. Rural Brasil. 23(276): 20-21. Aug. 1943. 9.2 B733
- 2175 EIFORT, J. E. Deep litter [for poultry]. Coop. Poultryman 8(10): 9. Oct. 1943. 47.8 C782
- 2176 FARNSWORTH, MRS. HENRY. If layers get too cold. Mo. Ruralist 84(22): 13. Nov. 27, 1943. 6 R8891
- Cover open-front type poultry houses, care for frozen combs and wattles, and keep oyster shell or charcoal available for poultry.
- 2177 FLOREA, J. H. Experience of '43 teaches "get chicks early." Poultry Tribune, East. Ed. 49(10): 3. Nov. 1943. 47.8 P8642
- 2178 FRY, DAISY. Ducks too much for townsmen. Poultry Farmer [London] 109(2836): 8. Oct. 29, 1943. 47.8 F312
- Two ducks rather than ten are best to raise in town.
- 2179 GORDON, M. D. The causes of malformed eggs Field 182: 516. Nov. 13, 1943. 10 F45
- 2180 GORDON, M. D. Every week counts in producing table chickens [cockerels]. Field 182: 436. Oct. 23, 1943. 10 F45
- 2181 GOSSMAN, S. S. Deep litter [in poultry house]. Pacific Poultryman 47(10): 3. Nov. 1943. 47.8 P113
- 2182 GREGORY, W. W. Future; Farmers of America; boys carry on demonstration projects in poultry. Agr. Ed. Mag. 16: 97. Nov. 1943. 275.8 Ag8
- 2183 HANNAS, R. R. Next season's chicks. Amer. Poultry Jour. East. Ed. 74(12): 9. Dec. 1943. 47.8 Am32
- 2184 HANNAS, R. R. 1943 winners, final report of 1942-1943 egg laying tests. Amer. Poultry Jour. 74(11): 6-7, 26-27. Nov. 1943. 47.8 Am32
- 2185 HOOKWAY, S. H. Winning with food, turkey talk. Agr. Student 50(2): 3, 15. Nov. 1943. 6 Ag84
- Description of the turkey industry at the Ohio State University, Poultry Department.
- 2186 HOWES, H. Poultry health has been improved...some suggestions for preserving this state of affairs. Mod. Poultry Keeping 49: 273. Oct. 20, 1943. 47.8 Eg3
- 2187 IVORY, B. A. Layers' annual vacation. Dakota Farmer 63: 511. Nov. 13, 1943. 6 D14
- 2188 JONES, R. E. Difficulties in housing pullets. New England Homestead 116(23): 8. Nov. 27, 1943. 6 N442
- Methods for adjusting from range conditions.
- 2189 JORDAAN, J. J. Poultry men and women as I knew them, Alfred Riley. So. African Poultry, Pigeon and Bird Mag. 49: 451. Sept. 1943. 47.8 So83
- 2190 JULL, M. A. The hatchery operator and the industry of the future. Peninsula Broiler Jour. 3(11): 1, 4. Oct. 4, 1943. 47.8 P37
- 2191 JULL, M. A. Make the feed go farther, proper selection and breeding will produce more poultry and eggs with less feed. Amer. Poultry Jour. East. Ed. 74(12): 4, 14-15, 32-35. Dec. 1943. 47.8 Am32
- 2192 JULL, M. A. Restoring Europe's chickens. Poultry Tribune, East. Ed. 49(10): 7, 25-26. Nov. 1943. 47.8 P8642
- 2193 KAUFFMAN, H. H. Market non-laying hens and save feed supplies. Pa. Grange News 40(8): 4. Nov. 1943. 6 P38
- 2194 KLEIN, G. T. Concentrate your fire for eggs. Cackle and Crow 26(1): 6. Nov. 15, 1943. 47.8 C11
- Poultry culling.
- 2195 KRONE, W. F. D. Lincoln Orr taken by death...one of poultrydom's greatest figures. Poultry Press 30(1): 1, 4. Nov. 18, 1943. 47.8 P8643
- 2196 LEACH, R. I. Advice to student poultrymen [stresses egg production]. Calif. Cult. 90: 592. Nov. 13, 1943. 6 C12
- 2197 LEUSCHNER, F. H. Built-up litter saves poultry house labor. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38
- 2198 LODGE, CYRIL. Settling pullets in winter. Poultry Farmer [London] 109(2833): 7. Oct. 8, 1943. 47.8 F312
- 2199 LYON, F. J. Why and wherefore of pigeon lore, a few practical hints on the racing of pigeons. Amer. Racing Pigeon News 59(10): 10. Oct. 1943. 47.8 H75
- 2200 MacILRAITH, J. J. Remote factors [heat, light and exercise] affecting egg production. Farmer's Mag. 40(11): 58. Nov. 1943. 7 C165
- 2201 MARSHALL, W. Effect of egg age on time taken to hatch. Poultry Farmer [London] 109(2834): 3. Oct. 15, 1943. 47.8 F312
- 2202 MASON, EARL. Poultry year in review [in Iowa]. Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt. (1942) 56: 42-47. 44.9 Io9
- 2203 MITCHELL, MARY. I sort out my layers. Poultry Farmer [London] 109(2835): 8. Oct. 22, 1943. 47.8 F312
- 2204 MOORE, A. C. Ducks for domestics. Poultry Farmer [London] 109(2834): 6. Oct. 15, 1943. 47.8 F312
- 2205 MOORE, FRANK. National program launched for turkey improvement; plan proposed by National Turkey Federation is approved by U. S. Department of Agriculture. Turkey World 18(11): 24-25, 36-38. Nov. 1943. 47.38 T84
- 2206 MURCHE, H. L. Know your eggs, 5-6. (Concl.) Poultry Farmer [London] 109(2835): 9; (2836): 8. Oct. 22, 29, 1943. 47.8 F312
5. Double yolks. 6. Fertility.
- 2207 NEWLON, W. E. War emergency problems of turkey growers. Calif. Turkey News, Sept. 1943, p. 21-22. 47.38 O12
- 2208 NEWMAN, TOM. Next season's chick production programme...problems connected with hatching and rearing. Mod. Poultry Keeping 49: 278-279. Oct. 20, 1943. 47.8 Eg3



- 2209 NEWMAN, TOM. Recipes in care and management of poultry for winter eggs. Mod. Poultry Keeping 49: 293. Oct. 27, 1943. 47.8 Eg3
- 2210 NICHOLS, JIM. Fairs and poultry shows in war time. Pacific Poultryman 47(10): 2. Nov. 1943. 47.8 P113
- 2211 OGLE, R. C., and LAMOREUX, W. F. Artificial light for poultry in wartime. Coop. Poultryman 8(10): 10. Oct. 1943. 47.8 C782
- 2212 OGLE, R. C. The poultry shows. What makes them "tick?" New York Poultry Show fully exemplifies necessary factors. Poultry Press 29(26): 1. Nov. 4, 1943. 47.8 P8643
- 2213 OTTO, W. E. White Orpingtons, preparing and washing for the show room, suggestions apply to all breeds. Poultry Press 30(1): 7. Nov. 18, 1943. 47.8 P8643
- 2214 PEDERICK, W. O. Poultry keeping as a sideline. Victoria Dept. Agr. Jour. 41: 430-432. Sept. 1943. 23 V66J
- Advice on breeding, housing, feeding, marketing, and how to make a hopper.
- 2215 PRETI, D. F. Factores importantes para la obtención de una buena saca. Campo Buenos Aires 27(322): 18, 62. Aug. 1943. 9 C15
- 2216 RAIMO, H. F. Métodos de controle da incubação artificial. Rev. dos Criadores 14(12): 55-59. Aug. 1943. 43.8 R32
- 2217 RAUCH, R. Winning with racing pigeon youngsters. Amer. Racing Pigeon News 59(10): Sup. 111. Oct. 1943. 47.8 H75
- 2218 ROTH-GREENAN, MRS. FREEDA. How Cornbelt Hatcheries, Inc. are cooperating with conservation program. Hatchery Tribune 17(11): 43-44. Nov. 1943. 47.8 H28
- 2219 RUBIO, D. M. La explotación de aves en baterías. (Cont.) Mundo Avícola 6(65): 20-21; (66): 19-20. July, Aug. 1943. 47.8 M92
- 2220 RUSSELL, I. D. How to raise turkeys. Fla. Poultryman and Stockman 9(11): 5. Nov. 1943. 47.8 F66
- 2221 SARASQUETA, P. A. de. Selección de ponedoras. Mundo Avícola 6(65): 4-5. July 1943. 47.8 M92
- 2222 SEWELL, F. L. The Garden Show, a great book of life in the memory of old Madison Square Garden Poultry Show. Poultry Press 30(1): 8. Nov. 18, 1943. 47.8 P8643
- 2223 SHRADER, H. L. How hatcherymen can help reduce mortality. Hatchery Tribune 17(11): 39-40. Nov. 1943. 47.8 H28
- Care in management, nutrition, and disease control.
- 2224 TAYLOR, M. W. External factors affecting egg production...how birds react to various conditions. Mod. Poultry Keeping 49: 298-299. Oct. 27, 1943. 47.8 Eg3
- 2225 TOMEY, A. F. What it costs to start a poultry farm. Poultry Farmer [London] 109(2833): 3. Oct. 8, 1943. 47.8 F312
- 2226 TOMHAVE, A. E. Del-Mar-/Va poultry industry meets wartime problems. Peninsula Broiler Jour. 3(11): 1, 3. Oct. 4, 1943. 47.8 P37
- 2227 TURNILL, LEONARD. Breeding pens for poultry must be mown like lawns. Poultry Farmer [London] 109(2833): 3. Oct. 8, 1943. 47.8 F312
- 2228 TURNILL, LEONARD. Clean rearing of poultry ranges without mowing. Poultry Farmer [London] 109(2834): 3. Oct. 15, 1943. 47.8 F312
- 2229 URI, DAVID. Results of the inspections of hens. Hassadeh [Tel-Aviv] 23: 308-310. July/Aug. 1943. 26 H27
- Text in Hebrew.
- 2230 VEIGA, J. S., and RAIMO, H. F. Correlações entre a produção de ovos nos últimos 50 e 90 dias de produção do 1. ano de postura e a produção anual, em galinhas da raça Leghorn Branca. Bol. de Indus. Anim. (n.s.): 6: 16-25. Jan./Apr. 1943. 49 R324
- English summary.
- 2231 WOOD, CATHERINE. Georgia turkey grower has 2,700 in confinement. Turkey World 18(11): 44, 50. Nov. 1943. 47.38 T84
- 2232 WRIGHT, M. M., and DUDLEY, F. J. The rearing of geese. Harper Adams Util. Poultry Jour. (n.s.) 28: 52-55. July 1943. 47.8 P8612
- 2233 YAMASHIRO, YOSHIO. Ducks for victory. Hawaii Farm and Home 6(11): 16-17. Nov. 1943. 25 H3191

## RABBITS

Breeds and Breeding

- 2234 BURT, ROY. Start with a mated doe. Poultry Farmer [London] 109(2836): 10. Oct. 29, 1943. 47.8 F312
- 2235 GRINSTEAD, W. T. Most widely raised rabbit, New Zealand Whites first choice among commercial breeders. Amer. Rabbit Jour. 13: 147-148. Oct. 1943. 40.28 Am3
- 2236 KLEIN, MRS. F. J. Angoras in northern Saskatchewan. Fur Trade Jour. Canada 21(3): 71-72. Nov. 1943. 410 F965
- 2237 ORR, C. W. Increasing Angora wool production. Amer. Small Stock Farmer 28(3): 7. Nov. 1943. 48.8 J82
- 2238 RAIMO, H. F. O coelho Angorá. Rev. dos Criadores 14(13): 69-71. Sept. 1943. 43.8 R32
- 2239 SPENCER, W. E. Nova, Scotia, breeder raises New Zealand white rabbits for fur and meat. Fur Trade Jour. Canada 21(3): 72. Nov. 1943. 410 F965
- 2240 WILCOX, BESSIE. Angora breeding for profit and pleasure. (To be cont.) Fur Trade Jour. Canada 21(3): 69-70. Nov. 1943. 410 F965

Feeds and Feeding

- 2241 BROWN, MARY. How I feed my stock. Poultry Farmer [London] 109(2836): 10. Oct. 29, 1943. 47.8 F312
- 2242 WILSON, W. K. Feeding acorns, or horse chestnuts to rabbits. Harper Adams Util. Poultry Jour. (n.s.) 28: 56-58. July 1943. 47.8 P8612
- 2243 WILSON, W. K. Foul food dangers. Poultry Farmer [London] 109(2834): 8. Oct. 15, 1943. 47.8 F312

Veterinary Medicine

- 2244 BAYON, H. P. Digesting their own stomachs. Poultry Farmer [London] 109(2836): 10. Oct. 29, 1943. 47.8 F312
- Burst stomach in rabbits, probably due to improper feeding.
- 2245 FERRAZ, C. C. Um modelo de caixa de contenção para coelhos. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 113-115. 1942. 41.9 L68
- 2246 SNOW, C. F. Ailments in the rabbitry... deals with three common troubles snuffles, ear canker, and skin troubles. Mod. Poultry Keeping 49: 279. Oct. 20, 1943. 47.8 Eg3
- 2247 VAIL, E. L., and McKENNY, F. D. Diseases of domestic rabbits. U. S. Fish and Wildlife Serv. Conserv. Bul. 31, 28 p. Washington, 1943. 156 C76
- Includes parasitic diseases.

Miscellaneous

- 2248 BULA TABARES, H. A. La crianza del conejo. Rev. Agr. [Guatemala] 20(7/9): 77-80. July/Sept. 1943. 8 G943
- 2249 CARTER, W. Greater wool production with less labour. Fur Trade Jour. Canada 21(3): 72. Nov. 1943. 410 F965
- 2250 GORDON, M. D. Making winter reductions in the rabbitry. Field 182: 386. Oct. 9, 1943. 10 F45
- 2251 JOHNSON, LAMONT. Bre'r rabbit sic, comes into his own. West. Farm Life 45(22): 3, 10. Nov. 15, 1943. 6 R153
- Present conditions favor the rabbit industry.



2252 MARTIN, G. D. The future of rabbits in Canada. Fur Trade Jour. Canada 21(3): 74-75. Nov. 1943. 410 F965

2253 MAUNDER, MARGARET. "This little bunny went to market." Standard Rabbit Jour. 17(3): 5, 12. Dec. 1943. 40.28 St2

Rabbit production as an industry.

2254 MIKEWITZ, B. J. Camphored rabbits. Standard Rabbit Jour. 17(3): 4. Dec. 1943. 40.28 St2

Use camphor to keep rabbits healthy.

2255 SAVAGE, W. G. Use blow chaff for litter. Poultry Farmer [London] 109(2834): 8. Oct. 15, 1943. 47.8 F312

2256 SNOW, C. F. Commercial scale rabbit keeping. Mod. Poultry Keeping 49: 241. Oct. 6, 1943. 47.8 Eg3

#### SHEEP AND GOATS

##### Breeds and Breeding

2257 BALE, H. V. Reminiscences of a goat breeder. (To be cont.) Amer. Dairy Goat News 5(5): 13-14. Nov. 1943. 40.18 Am34

2258 DONALD, M. N. The future of the goat; herd-- the sire. Dairy Goat Jour. 21(10): 7. Dec. 1943. 40.18 M592

2259 HALEVY. Early maturity of the Awassi ewe. Hassadeh [Tel-Aviv] 23: 307. July/Aug. 1943. 26 H27

Text in Hebrew.

2260 HAU, T. Y. The Chinese [sheep] breeds, their characteristics and distribution; details described by Chinese National Research Bureau at Kwangsi Calif. Wool Grower 19(44): 23-25. Nov. 2, 1943. 45.8 Cl2

2261 JEFFREY, H. E. Artificial insemination. Conditions applying to the accepting for registration in the herd book or foundation book of kids resulting from artificial insemination. Brit. Goat Soc. Off. Notices, Dec. 1942, p. 1. (Insert in Brit. Goat Soc. Monthly Jour., v. 35, 1942.) 40.19 B77M

2262 KELLEY, R. B., and SHAW, H. E. B. Fertility in sheep; an experimental study of periodicity of oestrus and non-breeding seasons in Australia. Austral. Council Sci. and Indus. Res. Bul. 166, 28 p., processed. Melbourne, 1943. 514 Au72B

2263 LITTON, G. W. A breeding ewe. East. Breeder 5(6): 31-33. Nov. 1943. 49 V81

2264 LITTON, G. W. The stud ram. Sheep Breeder 63(12): 8. Dec. 1943. 45.8 Am31

2265 PAGET, R. F. Hermaphrodites [in goats]. Brit. Goat Soc. Monthly Jour. 36: 57-58. Oct. 1943. 40.19 B77M

2266 PARKER, ADELE. French Alpines [goats] are many-colored. (Concl.) Dairy Goat Jour. 21(9): 8, 17-19. Nov. 1943. 40.18 M592

2267 SIMMONS, V. L. Overcoming the seasonal [goat] breeding problem. Dairy Goat Jour. 21(10): 10-11. Dec. 1943. 40.18 M592

2268 VIEIRA, G. V. N. Tipificação dos ovinos. Rev. Agron. [Porto Alegre, Brazil] 7: 318-319. June 1943. 9.2 R325

2269 WALKER, J. F. What is a stud ram? Sheepman 14: 226, 256. Dec. 1943. 45.8 Sh32

##### Feeds and Feeding

2270 BRIGGS, H. M. Oats and barley for fattening lambs. Sheepman 14: 224, 268. Dec. 1943. 45.8 Sh32

Includes discussion of other feeds, especially corn.

2271 BRIGGS, H. M. Some factors encountered in experiments to evaluate feeds for fattening lambs. Jour. Anim. Sci. 2: 356-355. Nov. 1943. Ref., p. 353-355. 49 J82

2272 COLE, L. D. Unusual goat feeds conserve feed supplies. Dairy Goat Jour. 21 (10): 9. Dec. 1943. 40.18 M592

2273 CUNNINGHAM, VINCENT. Feed and feedstuffs [for goats]. Dairy Goat Jour. 21(9): 3, 19-20. Nov. 1943. 40.18 M592

2274 GORDON, M. D. Winter feeding of goats and kids. Field 182: 464. Oct. 30, 1943. 10 F45

2275 JUSTUS, D. L. Good methods, good lambs. Idaho Farmer 61(24): 3. Dec. 2, 1943. 6 G282

Feeding practices.

2276 LITTON, G. W. Feeding sheep this winter. East. Breeder 5(7): 41-42. Dec. 1943. 49 V81

2277 ORCUTT, E. P. What is the protein requirement for lambs on feed? West. Livestock Rptr. 4(11): 2. Nov. 16, 1943. 286.85 W523

2278 SEARS, P. D., GOODALL, V. C., and COOP, I. M. Digestibility trials [with sheep] on high-production New Zealand pasture. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 23: 294A-301A. Feb. 1942. 514 E48

#### Veterinary Medicine

2279 BEAR, L. K. Wanted: healthy sheep; U. S. Army needs surgical sutures. Ohio Farmer 192(11): 5. Dec. 4, 1943. 6 Oh3

Advice to use phenothiazine in treating sheep to prevent nodular worm infection.

2280 BECKER, DOV. The body structure of sheep. Hassadeh [Tel-Aviv] 23: 341-342. Sept. 1943. 26 H27

Text in Hebrew.

2281 BLACKWELL, W. E. Tuberculous peritonitis in a Spanish ewe. Vet. Rec. 55: 317. Aug. 14, 1943. 41.8 V641

2282 BRITTON, J. W., MILLER, R. F., and CAMERON, H. S. Phenothiazine salt mixtures in the control of parasitism [in sheep]. Cornell Vet. 33: 339-343. Oct. 1943. 41.8 C81

2283 ELLIS, W. J. Extra-uterine aseptic autolysis in the skin of the foetal lamb. Austral. Council Sci. and Indus. Res. Jour. 16: 173-178. Aug. 1943. 514 Au72J

2284 FOGGIE, ANGUS. The prevention of tick pyaemia in lambs with staphylococcus toxoid. Vet. Rec. 55: 317. Aug. 14, 1943. 41.8 V641

2285 GREIG, J. R. Diseases of the sheep. A general discussion. Highland and Agr. Soc. Scot. Trans. 5th ser. (1943) 55: 16-36. 10 H536

2286 GUTHRIE, J. E., and HARWOOD, P. D. Some practical results of using phenothiazine in the treatment of yearling wethers. Tenn. Acad. Sci. Jour. 18: 355-358. Oct. 1943. 500 T25A

2287 LYLE STEWART, W., GRAY, ERNEST, and STINSON, O. Blackquarter in ewes caused by Cl. chauvoei. Vet. Rec. 55: 360. Sept. 25, 1943. 41.8 V641

2288 RIGGS, CHARLES. Prepubic syndesmorhexis in a ewe. Amer. Vet. Med. Assoc. Jour. 103: 288. Nov. 1943. 41.8 Am3

2289 WHITEN, W. K. Some observations on the excretion of keto-steroids and oestrogens in the urine of sheep. Austral. Jour. Expt. Biol. and Med. Sci. 21: 187-190. Sept. 1943. 442.8 Au7

2290 WILLMAN, J. P., and BAKER, D. W. Copper sulfate-nicotine sulfate solution and phenothiazine compared as anthelmintics for lambs. Cornell Vet. 33: 365-368. Oct. 1943. 41.8 C81

#### Miscellaneous

2291 ARMSTRONG, T. L. Some experiences of a Queensland station [sheep] manager. (Cont.) Past. Rev. 53: 559-560, 618-619. Aug. 16, Sept. 16, 1943. 23 Au75

2292 BENNION, GLYNN. The story of the beginning of the wool industry in Utah. (To be cont.) Natl. Wool Grower 33(11): 32-33. Nov. 1943. 45.8 N21N

Historical account of sheep raising.

2293 BRIDINGER, M. M. The milk goat industry in California as seen in 1916. Goat World 28(11): 13-15. Nov. 1943. 40.18 G53



## SWINE

Breeds and Breeding

- 2294 CONNELL, W. B. Stresses good sheep management practices. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38
- 2295 DeVALOIS, J. J. Dairy goat improvement in India. Dairy Goat Jour. 21(9): 4-6. Nov. 1943. 40.18 M592
- 2296 GARRIGUS, W. P. Kentucky [sheep] studies cover practical problems. Sheepman 14: 241, 244C. Dec. 1943. 45.8 Sh32
- 2297 GORRIE, C. J. R. Confusing factors in poor nutrition of sheep...Some of these factors are so intimately related that it is difficult to separate them [from diseases]. Stock and Land 33(37): 3. Sept. 15, 1943. 49 St63
- 2298 HALL, GRESLEY. Milk production by the maiden goat. Brit. Goat Soc. Monthly Jour. 35: 125-126. Dec. 1942. 40.19 B77M
- 2299 HENSLEY, C. J. How to buy a good dairy goat. Dairy Goat Jour. 21(10): 6. Dec. 1943. 40.18 M592
- 2300 HOOPER, J. A. The wool market situation. Utah Farmer 63(7): 2, 8. Nov. 10, 1943. 6 D45
- Complete text of a Bounty Act, effective March 1, 1944, "providing for the payment of bounties on skins of certain predatory animals" in Utah and designed to eliminate the killing of sheep.
- 2301 HULBERT, H. H. Sheep-shearing schools relieve labor shortage. News for Farmer Coop. 10(7): 21. Oct. 1943. 166.2 M47
- 2302 JORDAN, R. M. Northern Minnesota's biggest problem in the sheep industry is predatory bears. Sheep Breeder 63(12): 52. Dec. 1943. 45.8 Am31
- 2303 KAMMLADE, W. G. Some thoughts about [improving] sheep raising. Sheep Breeder 63(12): 10-11. Dec. 1943. 45.8 Am31
- 2304 LONGWELL, J. H. Flushing ewes good practice. Dakota Farmer 63: 498. Nov. 13, 1943. 6 D14
- 2305 McCULLEY, MRS. G. T. Three years with goats. Amer. Dairy Goat News 5(5): 5. Nov. 1943. 40.18 Am34
- 2306 NELSON, MRS. CAROL. Dairy goats valuable in northern Wisconsin. Dairy Goat Jour. 21(10): 6. Dec. 1943. 40.18 M592
- 2307 ORCUTT, E. P. What death losses are likely in my lamb feed-lot? West. Livestock Rptr. 4(12): 4. Nov. 23, 1943. 285.85 W523
- Stresses continuous effort to anticipate and avoid losses.
- 2308 PEARCE, M. W. Kansas sheep and wool producers cooperate. Midwest Wool Growers News 12(11): 4. Nov. 1943. 45.8 M58
- Description of the sheep industry.
- 2309 PEARSON, RAYNAL. My sheep project achievements and experiences [as a 4-H Club member]. Utah Farmer 63(7): 11. Nov. 10, 1943. 6 D45
- 2310 REINHARDT, R. M. To beginner from experience. Goat World 28(11): 2-3. Nov. 1943. 40.18 G53
- Suggestions on getting started in the goat business.
- 2311 ROMER, C. W. Practicability of the dairy goat. Amer. Dairy Goat News 5(6): 8, 10. Dec. 1943. 40.18 Am34
- 2312 \*STEGEN, H. Schafhaltung und hammel-fleischversorgung. (Zeitschrift für Schafzucht) Deut. Landw. Tierzucht 47: 141-142. June 19, 1943.
- 2313 THATCHER, CARA. The practical goat. Amer. Dairy Goat News 5(6): 3, 11. Dec. 1943. 40.18 Am34
- 2314 WILLMAN, J. P. The shepherd's duties in the fall. [N. Y.] St. Lawrence Co. Farm and Home Bur. News 28(9): 10. Nov. 1943. 275.293 N. Y., St. Lawrence Co.
- 2315 CHIEFFI, ARMANDO. Algumas normas para a criação racional dos suínos. Rev. dos Criadores 14(13): 27-28. Sept. 1943. 43.8 R32
- 2316 COFFEE, J. S. Type in swine. Md. Farmer 27(11): 2, 11. Nov. 1943. 6 M362
- 2317 EVANS, WALTER. Observations; the demand for top boars and gilts is greater today than it has been for many years past. Poland China World 30(9): 6. Oct. 1943. 46.8 Sw62
- 2318 TEIXEIRA VIANNA, A. Como cria suínos a fazenda experimental de S. Carlos, S. P. (Concl.) Chacaras e Quintais 68: 48-51. July 15, 1943. 9.2 C34
- 2319 VELÁZQUEZ ANCHONDO, SALVADOR. Factores zootécnicos que debe conocer todo criador de cerdos. Granja [Mexico] 11: 174-175, 181. Oct. 1943. 15.5 G76
- 2320 WILLIAMS, W. C. Success or failure of Poland China breeder; determined by procedure. Poland China World 30(9): 10. Oct. 1943. 46.8 Sw62
- Feeds and Feeding
- 2321 BENHAM, G. H. Vitamin A and new-born pigs. Canad. Jour. Compar. Med. 7: 291-297. Oct. 1943. 41.8 C162
- Piglet liver vitamin A related to sow's A intake.
- 2322 CRAMPTON, E. W., and ASHTON, G. C. The effects of wheat germ and corn germ on the feeding value of cereal grains for hogs. Sci. Agr. 24: 78-85. Oct. 1943. 7 Sci2
- 2323 FAIRBANKS, B. W. Winter feeding of swine will require high plant protein supplements. Feed Bag 19(11): 74. Nov. 1943. 389.78 F32
- 2324 FERRIN, E. F. Replacing tankage with soy-bean oilmeal in pig feeding. Hog Breeder 18(11): 4. Nov. 1943. 46.8 H672
- 2325 FERRIN, E. F. Saving protein concentrates in rations for growing pigs. Feedstuffs 15(46): 39-40. Nov. 13, 1943. 286.81 F322
- Also in Grain and Feed Rev. 33(3): 24, 49. Nov. 1943. 280.28 C78
- 2326 FLEMING, W. S. Buttermilk turned into profit [by pig feeding]. Tasmanian Jour. Agr. 14: 86-88. Aug. 1, 1943. 23 T182T
- 2327 FOLEY, W. T. The hogman's headache; swine feeders discuss protein shortage and how to feed for profit under wartime restrictions. Farmer 61(21): 7. 20. Nov. 6, 1943. 6 F2211
- 2328 GRIMES, J. C. Legumes make big hogs out of little ones. This Month in Rural Ala. Sept. 9, 1943, p. 2. 6 T34
- 2329 \*HAFELM. Futterkartoffeln lassen sich in schweinefütterung durch junges grünfutter und rüben strecken. Landesbauernschaft Württemberg. Wohnbl. 110: 265. Apr. 17, 1943.
- 2330 \*KIRSCH, W. Futterrüben und guckerrüben in der schweinemast. Landesbauernschaft Pommern. Wohnbl. 10: 232. Apr. 10, 1943.
- 2331 KOK, E. A., and RIBEIRO, G. de A. A mandioca crua em comparação com a quirera de milho na engorda de porcos. Bol. de Indus. Anim. (n.s.) 6: 24-45. Jan./Apr. 1943. 49 R524
- English summary.
- 2332 MADISON, L. C. Protein fed to hogs will save much corn. Pa. Grange News 40(8): 7. Nov. 1943. 6 P38
- 2333 \*OTT, K. Die futterfrage in der schweinehaltung. Landesbauernschaft Württemberg. Wohnbl. 110: 344. June 5, 1943.
- 2334 REGENBRECHT, E. M. Successful hog feeding. Coastal Cattleman 9(9): 5-9. Nov. 1943. 43.8 C63



2335 \*REUTTER, Die Schweinemast. Landesbauernschaft Württemberg. Wchnbl. 110: 345. June 5, 1943.

2336 RODRIGUE, X. M. L'alimentation du porc à bacon. Quebec Min. Agr. Bul. 157, 34 p. 1943. 7 Q3Bu

2337 WILLMAN, J. P. Feeding hogs. [N. Y.] St. Lawrence Co. Farm and Home Bur. News 28(9):5, 11. Nov. 1943. 275.293 N. Y., St. Lawrence Co.

2338 ZAVORAL, H. G. Balanced rations help sows farrow strong pigs. Duroc News 17(12): 20. Dec. 1943. 46.8 H212

#### Veterinary Medicine

2339 BRITTON, J. W. Phenothiazine poisoning in pigs. Cornell Vet. 55: 568-569. Oct. 1945. 41.8 C81

2340 COTCHIN, E. Corynebacterium equi in the submaxillary lymph nodes of swine. Jour. Compar. Path. and Ther. 55: 298-309. Sept. 1945. 41.8 J82

2341 COTCHIN, E. Tubercle bacilli in lesions of the submaxillary lymph nodes of swine. Jour. Compar. Path. and Ther. 55: 310-314. Sept. 1945. 41.8 J82

2342 GLOVER, R. E., and ANDREWS, C. H. The antigenic structure of British strains of swine influenza virus. Jour. Compar. Path. and Ther. 55: 329-341. Sept. 1945. 41.8 J82

2343 GUTIERREZ, RICARDO. Enfermedades y parasitos del cerdo. Agr. Mex. 59(8): 14-15. Aug. 1943. 8 Ag8

2344 JONES, D. L. Fatalities following lay use of phenothiazine for worms in pigs. Allied Vet. 14(6): 8. Nov./Dec. 1945. 41.8 A15

2345 \*KELLER, HUGO. Magentuberkulose des Schweines. Ztschr. f. Fleisch u. Milchhyg. 53: 125-127. Apr. 1, 1945.

2346 \*KELLER, HUGO. Über die Lnn. sacrales externi (kreuzlymphknoten) des Schweines. Ztschr. f. Fleisch u. Milchhyg. 52: 41-45. Nov. 15, 1941.

2347 McCALL, J. O., JR. A case of duplication of the hypophysis in a 10-mm. pig embryo. Anat. Rec. 87: 215-219. Oct. 1945. 447.8 An1

2348 McKAY, W. M. The effect of nutrition on the development of tuberculosis. Vet. Rec. 55: 329-330. Aug. 28, 1945. 41.8 V641  
Experiments performed on pigs.

2349 MOUNCO, J. P. Observação sobre casos espontâneos de varíola suína. Soc. Bras. de Med. Vet. Bol. 11: 157-159. Oct./Dec. 1942. 41.9 Sol4

2350 PLUMMER, P. J. G. Swine fever; histopathological examination of gall bladders. Canad. Jour. Compar. Med. 7: 355. Nov. 1945. 41.8 Cl62

2351 QUEVEDO, J. M. Las enteritis del cerdo. Campo [Buenos Aires] 27(322): 32-33. Aug. 1943. 9 Cl5

2352 REBELO, C. P. C. A vacina cristal-violeta na profilaxia da peste suína. Lisbon Lab. Cent. de Patol. Vet. Repositório de Trab. 5: 47-57. 1942. 41.9 L68

2353 SAMPSON, JESSE, HANAWALT, V. M., and GRAHAM ROBERT. Ketosis in swine. Cornell Vet. 55: 555-559. Oct. 1945. 41.8 C81

2354 SLAVIN, GEORGE. Brilliant green-neutral red-lactose agar for the isolation of S. suispestifer from pig faeces. Jour. Compar. Path. and Ther. 55: 315-322. Sept. 1945. 41.8 J82

2355 WELCH, HOWARD. Swine erysipelas vs. hog cholera. Mont. Farmer 31(6): 13. Nov. 15, 1943. 6 M764

Differential diagnosis.

#### Miscellaneous

2356 BEE, U. G. Keep the good sow [by efficient management and feeding, rather than sell]. Md. Farmer 27(11): 12. Nov. 1943. 6 M362

2357 BEESON, W. M. Idaho State [Swine] Conference, second annual...sponsored by the Department of Animal Husbandry, University of Idaho, at Moscow. Poland China World 30(10): 36-37. Nov. 1943. 46.8 Sw62

2358 BUTTERFIELD, W. G. Hogs are important in the Southwest. Agr. Ed. Mag. 16: 98. Nov. 1943. 275.8 Ag8

Swine production training at agricultural high school.

2359 COFFEY, J. S. Classification and shows [also judging, of swine]. Berkshire News 9(1): 11, 14-15. Nov. 1943. 46.8 B454

2360 DE VORE, FRED. A real hog judge. Hog Breeder 18(11): 3. Nov. 1943. 46.8 H672

2361 FAIRBANKS, B. W. Putting pep into pig production. Business of Farming 2(3): 7. Late Spring Issue, 1943. 6 B96

Breeding and feeding.

2362 \*FISCHER, R. Ein ernstes wort an die kühnere im Schweinestall! Deut. Landw. Tiersucht 47: 75. Mar. 13, 1943.

2363 HENDERSON, JIM. Hampshire boars average \$130 in first 45 sales, best selling season for all breeds in history! Amer. Hampshire Herdman 18(11): 11, 20, 24-25, 43-51. Nov. 1943. 46.8 Am33

2364 HYDE, L. V. Trend of the times; boars with thickness, hams, substance, and quality are meeting strong demand at boar sales. Poland China World 30(9): 8. Oct. 1943. 46.8 Sw62

2365 KRISTJANSON, B. H., and ANDERSON, J. L. Hog production in northeastern Alberta. Econ. Annal. 13: 77-80. Nov. 1943. 280.8 Ec75

Care and management.

2366 LABARTHE, C. A. Explotación porcina. Sig-nificado económico de mejoramiento de los procreos. Campo y Arados 7(79): 10-11, 30. Sept. 1945. 9.9 Cl52

2367 McREYNOLDS, GUY. Save more pigs. Nebr. Live Stock Breeders and Feeders Assoc. Ann. Mtg. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 468-471. 2 N27R

Care and handling.

2368 QUINTANA, MILTON. Introdução ao estudo da suinocultura sui-riograndense. (To be cont.) Rev. Agron. [Porto Alegre, Brazil] 7: 299-302. June 1943. 9.2 R325

2369 WILLERS, E. H. Three ways to increase pork production. Hawaii Farm and Home 6(11): 21. Nov. 1943. 25 H3191

Breeding more sows; Feeding to heavier market weights; Attempts to raise a larger percentage of the pigs farrowed.

2370 \*WOWRA. Von der "Vereinigung Deutscher Schweinerzüchter" zum "Reichsverband Deutscher Schweinerzüchter," 1927-1937. Deut. Landw. Tiersucht 47: 139-140. June 19, 1943.



## ENTOMOLOGY

## GENERAL

- 2371 ASTON, K. Photomicrography with the enlarger. *Amateur Photographer* 93: 677. Oct. 6, 1943. 332.8 Aml2  
Method of photographing small insects, etc. Picture of cheese mites.
- 2372 BLAIR, K. G. On the rose bedeguar gall and its inhabitants. *Ent. Monthly Mag.* 79: 231-233. Oct. 1943. 421 En86
- 2373 BURKILL, H. J. Plant gall records for 1942. *London Nat.* 1942: 24-25. Sept. 1943. 420 L843
- 2374 CHAPMAN, FREDK. A modern Linnaeus: Charles Davis Sherborn. *Victorian Nat.* 60: 76-77. Sept. 1943. 410 V66
- 2375 COCKERELL, T. D. A. Nomenclature. *Pan-Pacific Ent.* 19: 158-160. Oct. 1943. 421 P193
- 2376 HENSON, H. The relations between embryogenesis and metamorphosis in insects. *Leeds Phil. and Lit. Soc., Proc. (Sci. Sect.)* 4: 97-110. July 1943. 501 L51
- 2377 NETTO, A. P. Instruções sobre a colheita e remessa de material para identificação de doenças e pragas, em laboratório. *Rev. Agron. [Porto Alegre, Brazil]* 7: 342-343, 345. June 1943. 9.2 R325

## GENERAL - ECONOMIC

- 2378 ANNAND, P. N. Pest control challenges the Americas. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 3: 203-207. Nov. 1943. 1 F752A  
Stresses need for inter-American cooperation in control of insect pests and outlines suggested angles of approach to the problem.
- 2379 ARMSTRONG, H. W. Arsenate of iron. [Scientific note.] *Jour. Econ. Ent.* 36: 798-799. Oct. 1943. 421 J822  
The Gold Hill, Utah, deposits of scorodite ore, a ferric arsenate of iron, considered as a means of piecing out "a short supply of by-product arsenic by mixing this insecticide with calcium or lead arsenate for cotton insects or codling moth."
- 2380 BARE, O. S. Practical control methods for garden insects. *Nebr. State Hort Soc., Ann. Rpt.* 73. In *Nebr. State Bd. Agr., Ann. Rpt.* 1942: 428-431. 1942. 2 N27R
- 2381 BEKLEMISHEV, W. N. Comparative study of life-histories of blood-sucking arthropods. [Translated title.] *Med. Parasitol. and Parasitic Dis.* 11(3): 39-44. 1942.  
Abs. in *Trop. Dis. Bul.* 40: 511-512. July 1943. 448.8 T752
- 2382 BENLLOCH, MIGUEL. Consejos a los agricultores que quieren combatir las plagas. *Surco* 2(16): 6-8. June 1943. 15 Su7
- 2383 BREAKLEY, E. P. Insect control in the victory garden. *Arboretum Bul.* 6(3): 11-13. Mar. 1943. 451 Ar1
- 2384 BUGS taking huge toll of vegetables. *Tex. Farming and Citric.* 20(5): 6. Nov. 1943. 80 T31  
Use and characteristics of common insecticides are given.
- 2385 CAMERON, A. E. Insect pests of 1942. *Highland and Agr. Soc. Scot. Trans.* 55: 74-98. 1943. 10 H536
- 2386 CHAGAS FILHO, CARLOS. Moléstia de Chagas no Brasil. *Pan Amer. Union, Bol. de la Ofic. Sanit.* 22: 773-779. Sept. 1943. 150.9 B872  
Summary in English.  
"Insetos transmissores," p. 776.
- 2387 COMPTON, C. G. Two rose pests that may prove destructive: midge [*Dasyneura rhodophaga*], strawberry rootworm [*Paria canella*]. Life histories and controls are outlined. *South. Florist & Nurseryman* 56(4): 7, 22. Oct. 22, 1943. 80 S866
- 2388 DeONG, E. R. Frianite, an insecticide diluent. [Scientific note.] *Jour. Econ. Ent.* 36: 799-800. Oct. 1943. 421 J822
- 2389 EICHLER, WOLFDIETRICH. Hemmnisse der aviparasitologie. *Zool. Anz.* 141: 53-54. Jan. 15, 1943.
- 2390 ELSWORTH, F. F., and HARRITT, J. Determination of fluorine in wool treated with fluorides. *Analyst* 68: 293-301. Oct. 1943. 382 An1  
Sample of insectproofed wool "is ashed, and the fluorine is distilled from the ash as fluosilicic acid and estimated colorimetrically by its decolorising action on thorium-alizarin lake."
- 2391 EMMEL, M. W. Experiências realizadas com o enxofre para o extermínio de piolhos, pulgas e ácaros das aves. *Rev. Agron. [Porto Alegre, Brazil]* 7: 400-401. July 1943. 9.2 R325
- 2392 ENGLISH, L. L. Fumigation of camellias and azaleas with methyl bromide. *Jour. Econ. Ent.* 36: 737-743. Oct. 1943. 421 J822
- 2393 FAIRBURN, D. C. Counter-attacks on indoor plant pests. *Home Gard.* 2(5): 68-70. Nov. 1943. 80 H756
- 2394 GRAHAM, J. J. T., and LaFORGE, F. B. Pyrethrum analysis. *Soap* 19(11): 111, 113. Nov. 1943. 307.8 Sol2
- 2395 GREGG, PAUL. Get rid of crop "bug-a-boos." *Business of Farming* 2(5): 10. 1943. 6 B96
- 2396 GUNTHER, F. A., BEIER, R. L., and LaDUE, J. P. Determination of sulfur residues from sulfur application on citrus foliage. *Indus. and Engin. Chem.* 15: 574-575. Sept. 15, 1943. 381 J825A
- 2397 HOLLEY, W. D. Insect pests on house plants. *Horticulture* 21: 422-423. Nov. 15, 1943. 80 H787
- 2398 HURST, H. Principles of insecticidal bioassay. *Nature [London]* 152: 400-404. Oct. 9, 1943. 472 N21
- 2399 THE INSECTICIDE outlook. The possibilities of supply and requirements in 1944 for rotenone, pyrethrum, thiocyanates, arsenicals and other raw materials. *Soap* 19(11): 107, 109, 117. Nov. 1943. 307.8 Sol2
- 2400 ISELY, DWIGHT, and HORSFALL, W. R. Effect on arsenical deposits of accessory materials in the spray mixture. *Jour. Econ. Ent.* 36: 751-756. Oct. 1943. 421 J822
- 2401 JOUBERT, C. J. Controlling insect pests. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 169, 2 p. Pretoria, 1943. 24 So82P
- 2402 KLETT, Schädlinge, die den kohlanbau gefährden. *Landesbauernschaft Württemb. Wchnbl.* 110: 261. Apr. 17, 1943.
- 2403 LESSER, M. A. Veterinary products and related animal preparations. *Drug & Cosmetic Indus.* 53: 390-391, 457-461. Oct. 1943. 396.8 D842  
Gives formulas for fly repellents, maggot control, livestock dips, wound treatments, etc.
- 2404 LIST, G. M. The effects of sulfur residue on keeping qualities of canned tomato products. *Jour. Econ. Ent.* 36: 694-700. Oct. 1943. 421 J822  
Storage temperature is a greater factor in vacuum loss than amounts of sulfur in the cans.
- 2405 McGARR, R. L., and HENRY, J. R. Insecticide tests for boll weevil [*Anthonomus grandis*] and cotton aphid [*Aphis gossypii*] control in the Mississippi delta. *Jour. Econ. Ent.* 36: 716-718. Oct. 1943. 421 J822
- 2406 MORA PEREZ, FAUSTO. Empleo del bisulfuro de carbono. *Agr. Mex.* 59(9): 15-16. Sept. 1943. 8 Ag8  
Used against pests of stored grain.
- 2407 MORRISON, L., and McLEOD, G. B. Derris suspension as a sheep-dipping fluid. *New Zeal. Jour. Sci. and Technol.* 23: 244A-254A. Dec. 1941. 514 M48  
For control of *Melophagus ovinus*, lice, and fleas.



- 2408 \*MÜLLER, K. R. Schädlingbekämpfung nie vergessen! Landbauernschaft Sachsen-Anhalt Wchnbl. 101: 312. June 5, 1943.
- 2409 NICO, RAUL. La química en la lucha contra los parásitos vegetales. Campo, Buenos Aires, 27(322): 6, 8, 62. Aug. 1943. 9 C15  
Reprinted in Rosario, Argentina, Bolsa de Com. Bol. Ofic. 31(761): 13-16. Sept. 30, 1943. 287 B71
- 2410 PACKARD, C. M. Insect enemies of our cereal crops. Smithson. Inst. Ann. Rpt. 1942: 323-338. 1943. 500 Sm6R  
Nineteen plates.
- 2411 POTTER, C., and TATTERSFIELD, F. Ovicidal properties of certain insecticides of plant origin. (Nicotine, pyrethrins, derris products.) Bul. Ent. Res. 34: 225-244. Oct. 1943. 421 B87
- 2412 PULVERIZACIONES contra las plagas y enfermedades de los frutales en la region del delta del Parana. Chacra 13(156): 30. Oct. 1943. 9 C34
- 2413 RICHARDSON, C. H., and GRAHAM, L. T. Orchard insects of 1940 and 1941. Iowa State Hort. Soc., Trans. (1942) 77: 88-90. 81 I09
- 2414 RICHARDSON, H. H. Toxicity of derris, nicotine, and other insecticides to eggs of the housefly [Musca domestica] and the Angoumois grain moth [Sitotroga cerealella]. Jour. Econ. Ent. 36: 729-731. Oct. 1943. 421 J822
- 2415 ROARK, R. C. Agricultural insecticides and critical war materials. Jour. Econ. Ent. 36: 720-724. Oct. 1943. 421 J822
- 2416 ROBINSON, MARK. Household pests. Fauna 5: 110-111. Dec. 1943. 410 F27
- 2417 \*ROSSIISKI, D. M. Eksperimental'no-klinicheskie nabljudeniia nad deistviem insektitsidnykh sredstv na parazitov zhivotnykh i cheloveka. [Experimental-clinical observations on the action of insecticidal remedies on the parasites of animals and man.] Bul. de Biol. et de Med. Expt. de l'URSS 14(1): 7-10. July 27, 1942.  
Text in Russian.
- 2418 RUTH, W. A. Present status of the spray residue problem. Iowa State Hort. Soc., Trans. (1942) 77: 118-122. 81 I09
- 2419 SEARLS, E. M. Further studies on methyl bromide as plant fumigant. Cheese Rptr. 68(10): 10, 37. Nov. 5, 1943. 44.8 Sh3
- 2420 SMITH, A. J. The control of a few citrus pests. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 172, 2 p. Pretoria, Oct. 1, 1943. 24 So82P
- 2421 SMITH, D. C. The treatment of creeping eruption with sodium antimony biscatechol (fuadin). Amer. Med. Assoc., Jour. 123: 694-695. Nov. 13, 1943. 448.9 Am37  
Case report on "larva migrans;" no attempt made to identify type of larva.
- 2422 THOMPSON, R. W. Defence against the insect blitz. Ontario Rose Soc. Yearbook 1941: 28-32. 1942. 82 B72
- 2423 THOMSEN, E. G., and DONER, M. H. Live-stock insect control. (Cont.) Soap 19(11): 96-97, 99, 101, 103, 117. Nov. 1943. 307.8 Sol2
- 2424 TREHAN, K. N. The rôle of predators in biological control of insect pests. Current Sci. [India] 12: 223-225. Aug. 1943. 475 Sci23
- 2425 TRUFANT, S. A., III. Sylvatic plague. Probable origin in the United States, distribution, potentialities as a reservoir for infections in man. New Orleans Med. and Surg. Jour. 96: 184-195. Nov. 1943. 448.8 N47  
Includes discussion of fleas, lice, and ticks as vectors.
- 2426 TURNBULL, J. Preparing now for next year's fruit. Farmer & Stock-Breeder 57: 1598. Oct. 12, 1943. 10 F228  
Control of Operophtera brumata and Psylla mali.
- 2427 TURNER, IDELLY. Reversals in order of effectiveness of insecticides. Jour. Econ. Ent. 36: 725-728. Oct. 1943. 421 J822
- 2428 WOOD, F. C. Some pests of alpine plants (with particular reference to gentians and primulas). Alpine Gard. Soc. Quart. Bul. 11: 145-149. Sept. 1943. 84 A16  
Illustration on p. 144.
- 2429 YOUNG, H. D., and COTTON, R. T. Certain organic bromides as grain fumigants. [Scientific notes] Jour. Econ. Ent. 36: 796. Oct. 1943. 421 J822
- APICULTURE AND APIS MELLIFERA
- 2430 ANDERSON, E. J. Some research on wintering bees. Gleanings Bee Cult. 71: 681-683, 715. Dec. 1943. 424.8 G47
- 2431 AVERY, G. W. British bees. (Concl.) Scot. Beekeeper 19: 129; 138. Oct., Nov., 1943. 424.8 Sco8
- 2432 BAKER, NORVAL. Wintering of bees as affected by location of hive entrance. Iowa Beekeepers' Assoc., Proc. 35. In Iowa State Hort. Soc., Trans. (1942) 77: 254-268. 81 I09
- 2433 BRADLEY, J. C. The honey bee viewed by the scientist Harold H. Walter, Cincinnati, Ohio. Beekeepers' Item 27: 356-358. Nov. 1943. 424.8 B397
- 2434 BROOKS, P. D. Beekeeping in Argentina. Gleanings Bee Cult. 71: 686-687. Dec. 1943. 424.8 G47
- 2435 CALVACHE, MANUEL. This top entrance business. Gleanings Bee Cult. 71: 690-691. Dec. 1943. 424.8 G47
- 2436 CARTER, G. A. Nectar and honey. Scot. Beekeeper 19: 130. Oct. 1943. 424.8 Sco8
- 2437 CARTER, G. A. Sterilisation of super combs. Scot. Beekeeper 19: 141. Nov. 1943. 424.8 Sco8
- 2438 CORLEY, H. V. Some notes on bee genetics. Beekeepers' Rec. 61: 92-93. Oct. 1943. 424.8 B398
- 2439 DIEHNELT, WALTER. Extracting honey at the Wisconsin State Fair. Amer. Bee Jour. 83: 461. Dec. 1943. 424.8 Am3
- 2440 \*DITTES, HUGO. Die einrichtung des neuen bienenstandes. Preuss. Bienen Ztg. 86: 163-164. Feb. 1942.
- 2441 \*DITTES, HUGO. Frühjahrssorgen. Preuss. Bienen Ztg. 86: 174-175. Mar. 1942.
- 2442 \*DITTES, HUGO. Die honigernte. Preuss. Bienen Ztg. 87: 34. July 1942.
- 2443 \*DITTES, HUGO. Wie kommt es zu kleinen bienen? Preuss. Bienen Ztg. 87: 37-39. July 1942.
- 2444 DUBI, J. Is it necessary to heat beehives during winter? Hassadeh 23: 347-348. Sept. 1943. 26 H27  
Text in Hebrew.
- 2445 DUNHAM, W. E. Protect the bees from cold by proper packing. Farm and Dairy [Salem, Ohio] 10(30): 2, 19. Nov. 5, 1943. 6 F2279
- 2446 DYMOND, R. Wind screens and willow herb. Bee Craft 25: 87. Nov. 1943. 424.8 B3925
- 2447 GOODACKER, W. A. Dwindling troubles may cause heavy mortality. Australasian Beekeeper 45: 57-59. Sept. 15, 1943. 424.8 Au72  
Refers to mortality among adult bees due to disorders of the digestive system.
- 2448 \*GUSE, GUSTAV. Dürfen herkrankte imkern? Preuss. Bienen Ztg. 86: 160-161. Feb. 1942.  
Discussion of safe working methods for beekeepers with heart trouble.



- 2449 \*GUSE, GUSTAV. Kleine winke zur trachtverbesserung. Preuss. Bienen Ztg. 87: 8-9. Apr./May 1942.
- 2450 HARRINGTON, C. D., and others. Measurement of the resistance of peas to aphids [*Macrosiphum pisij*]. Jour. Agr. Res. 67: 369-387. Nov. 15, 1943. 1 Ag84J
- Ed. M. Searles, R. A. Brink, and C. Eisenhart, joint authors.
- 2451 HAYDAK, M. H. Larval food and development of castes in the honeybee [*Apis mellifera*]. Jour. Econ. Ent. 36: 778-792. Oct. 1943. Ref. 421 J822
- 2452 HICKS, L. E. Our chance to reshape the industry. Amer. Bee Jour. 83: 458-459. Dec. 1943. 424.8 Am3
- 2453 HINTON, M. B. Swarm control. Amer. Bee Jour. 83: 465. Dec. 1943. 424.8 Am3
- 2454 KLASSING, DAJE, and HOSTETTER, JEANNETTE. Bees fight for victory. Ill. Agr. 47: 22-23. Nov. 1943. 6 I16
- 2455 \*KOCH, KARL. Was hilft uns das neotektin? Preuss. Bienen Ztg. 87: 6-8. Apr./May 1942.
- A preparation for use against *Nosema apis*.
- 2456 \*KOPPENHAGEN. Wie durchlenze ich? Preuss. Bienen Ztg. 86: 159-160. Feb. 1942.
- 2457 \*KOSLOSKA, W. Planmässiges arbeiten auf dem bienenstande. (Concl.) Preuss. Bienen Ztg. 87: 23-34. July 1942.
- 2458 \*LEWANDOWSKI, AL. Sind winterschäden nur durch die härte des winters bedingt? Preuss. Bienen Ztg. 87: 25. June 1942.
- 2459 LEWITT, F. J. Unripe honey. Bee Craft 25: 86-87. Nov. 1943. 424.8 B3925
- 2460 MACGREGOR, M. M. Three years of beekeeping. Scot. Beekeeper 19: 141. Nov. 1943. 424.8 Sco3
- 2461 MARTIN, ELDON. Queen rearing. Amer. Bee Jour. 83: 457. Dec. 1943. 424.8 Am3
- 2462 MIRANDOU, B. J. Invernación en apicultura. Mendoza, Argentina (Prov.). Dir. de Indus. y Fomento Agr., Bol. Agr. 11(1/3): 57-60. Jan./Mar. 1943. 9 M52B
- 2463 MOLINO, VICENTE. La conveniencia de marcar las reinas. Asoc. Rural del Uruguay Rev. 70(4): 43-44. Apr. 1943. 9.9 As5
- 2464 \*MOSLENER. Warum *Nosema*-beobachtungsdienst? Preuss. Bienen Ztg. 86: 173-174. Mar. 1942.
- 2465 MUNRO, J. A. The viscosity and thixotropy of honey. Jour. Econ. Ent. 36: 769-777. Oct. 1943. 421 J822
- 2466 \*NEUNER. Wir müssen die wachserzeugung steigern! Preuss. Bienen Ztg. 86: 146-147. Jan. 1942.
- 2467 PASCUAL, P. F. Cómo obtener buena cera. Chacra 13(156): 22-23. Oct. 1943. 9 C34
- 2468 PERRET-MAISONNEUVE, A. L'apiculture intensive et l'élevage des reines. (Cont.) Campo y Arados 7(79): 28. Sept. 1943. 9.9 C152
- Tr. from the original by J. B. Ielpo.
- 2469 RAZUMOLSKY. How I work on the hive in spring. Bee Craft 25: 85. Nov. 1943. 424.8 B3925
- 2470 RUGGLES, A. G. Minnesota Beekeepers' Association. Minn. Hort. 71: 132-133. Oct. 1943. 81 M66
- 2471 SKIPWITH, J. W. Clipped queens. Bee Craft 25: 87. Nov. 1943. 424.8 B3925
- 2472 STARKEY, J. E. Prepare for winter. Beekeepers' Item 27: 339-340. Nov. 1943. 424.8 B397
- 2473 TAYLOR, F. Por el campo de la apicultura. Parte IX. Hacienda 38: 480-481, 486. Nov. 1943. 6 H11
- 2474 VALLEY, LEO. Re diseases of bees. Brit. Bee Jour. 71: 256; 259. Oct. 14, 21, 1943. 424.8 B77
- 2475 \*WENIG, ERNST. Ein bienenvolk = 35 holländische gulden. Preuss. Bienen Ztg. 87: 35-36. July 1942.
- 2476 WHITEHEAD, S. B. The secret of handling bees. Field 182: 518. Nov. 13, 1943. 10 F45
- 2477 WHITEHEAD, S. B. Watch the behaviour of bees. Field 182: 466. Oct. 30, 1943. 10 F45
- 2478 WILDER, J. J. Beekeeping in early America. Beekeepers' Item 27: 347. Nov. 1943. 424.8 B397
- 2479 WYBLE, EUGENE. How long will it last? Amer. Bee Jour. 83: 459. Dec. 1943. 424.8 Am3
- Refers to need for conserving beekeeping equipment.
- See also Honey and Beeswax in Agricultural Products section.

## ARACHNIDA, MYRIAPODA, ETC.

- 2480 BAILEY, S. F., and KEIFER, H. H. The tomato russet mite, *Phyllocoptes destructor* Keifer: its present status. Jour. Econ. Ent. 36: 706-712. Oct. 1943. 421 J822
- 2481 BARROWS, W. M. A new prairie spider [*Souessa nasuta*]. Ohio Jour. Sci. 43: 209. Sept. 1943. 410 Oh3
- 2482 BRISTOWE, W. S. Habits of our house spiders. Field 182: 426. Oct. 23, 1943. 10 F45
- 2483 BRISTOWE, W. S. Some garden spiders. Field 182: 509. Nov. 13, 1943. 10 F45
- 2484 BRYANT, E. B. The salticid spiders of Hispaniola. Harvard Univ., Mus. Compar. Zool., Bul. 92: 445-522. Oct. 1943. 500 H26B
- New spp. in: *Agobardus* 3; *Amycus*; *Antillattus* n. g. 2; *Commoris*; *Compsodecta*; *Descanso* 3; *Dinattus* n. g. 3; *Nebridia* 2; *Oningis* 2; *Parahentzia* n. g.; *Parathiodina* n. g.; *Pensacola* 5; *Siloca*; *Wallaba*. *Agobardus anormalis montanus*, n. var.
- 2485 BUSTAMANTE, M. E., and VARELA, GERARDO. Una nueva rickettsiosis en México. Existencia de la fiebre manchada americana en los estados de Sinaloa y Sonora. Mex. Inst. Salubridad y Enferm. Trop. Rev. 4: 189-210. Sept. 1943. 449.9 M572
- English summary, p. 209.
- Rickettsial disease new to Mexico identified as Rocky Mountain spotted fever. "The studies of transmission by ticks from Sinaloa and recovery of the virus from arthropods are under way."
- 2486 CATTLE tick found at Stanthorpe, Queensland. New South Wales authorities perturbed. Agr. Gaz. N. S. Wales 54: 398. Sept. 1, 1943. 23 M472
- 2487 CHAMBERLIN, R. V. On Mexican millipeds. Utah Univ. Bul., v. 34, No. 7, 103 p. Salt Lake City, 1943. (Biol. Ser., v. 8, No. 3) 442.8 Utl
- 2488 CHAMBERLIN, R. V. On some genera and species of American millipeds. Utah Univ. Bul., v. 34, No. 6, 20 p. Salt Lake City, 1943. (Biol. Ser., v. 8, No. 2) 442.8 Utl
- 2489 COOLEY, R. A., and KOHLS, G. M. *Ixodes californicus* Banks, 1904, *Ixodes pacificus* n. sp., and *Ixodes conepati* n. sp. (Acarina: Ixodidae). Pan-Pacific Ent. 19: 139-147. Oct. 1943. 421 P193
- 2490 GELORMINI, NICOLAS. El problema de la garrapata [*Boophilus annulatus microplus*], desde un punto de vista practico. Res. Buenos Aires, 9: 14, 634-14, 636. July 20, 1943. 286.85 R31
- 2491 \*GRANDJEAN, FRANÇOIS. Sur deux types généraux de regression numerique chez les acaridens. [Paris] Acad. des Sci., Compt. Rend. 215: 236-239. Sept. 14, 1942.
- 2492 GREEN, R. G., EVANS, C. A., and LARSON, C. L. A ten-year population study of the rabbit tick *Haemaphysalis leporis-palustris*. Amer. Jour. Hyg. 38: 260-281. Nov. 1943. 449.8 Am3
- 2493 GREEN, R. G. Virulence of tularemia as related to animal and arthropod hosts. Amer. Jour. Hyg. 38: 282-292. Nov. 1943. 449.8 Am3
- Virulence of strains isolated from ticks (*Haemaphysalis leporis-palustris*) found on rabbits and grouse determined by host from which tick obtained infection.



2494 HALER, DAVID. Spider bite. Field 182: 459. Oct. 30, 1942. 10 F45

Letter describing effects of *Drassodes lapidosus* bite.

2495 HENRIQUES, C. V. A. An experiment in the treatment of scabies with derris root powder. Roy. Army Med. Corps, Jour. 81: 186-188. Oct. 1943. 448.9 R81

2496 HORNEY, R. B. Benzyl benzoate treatment of sarcoptic mange. Vet. Rec. 55: 310. Aug. 7, 1943. 41.8 V641

2497 HOWARD, K. C. California woman enlists regiments of spiders to supply strategic silk to trip the Axis. Nature Mag. 36: 527-528. Dec. 1943. 409.6 N214

Production of spider silk for use as cross-hairs in bomb sights, telescopic rifle sights, and range finders.

2498 JACKSON. Rocky Mountain spotted fever. Arch. Ped. 60: 579-580. Oct. 1943. 448.8 Ar27  
Report of case acquired on Long Island, N. Y., from bite of dog tick, *Dermacentor variabilis*.

2499 MOSCI, ANLETO. Os banhos carrapaticidas e sua importancia em higiene veterinaria. Soc. Bras. de Med. Vet., Bol. 12: 31-40. Jan./June 1943. 41.9 Sol4

2500 \*NEUMANN, K. W. Die lebengeschichte der kafermilbe *Poecilochirus necrophori* Vitzth. nebst beschreibung aller entwicklungsstufen. Zool. Anz. 142: 1-21. Apr. 15, 1943.

On *Necrophorus humator* F.

2501 \*\*ORDMAN, D. Epidemiological observations on an outbreak of tick relapsing fever in the Northern Transvaal. So. African Med. Jour. 17: 180-182. 1943.

Noted in Cur. List Med. Lit. 5(15): col. 543. Oct. 14, 1943. 241.71 C93

2502 PIZA JOR., S. de TOLEDO. Meiose no macho do escorpião brasileiro *Tityus bahiensis*. Rev. de Agr. Piracicaba, Brazil, 18: 228-276. July/Aug. 1943. Ref., p. 273-274. 9.2 R324

English translation, p. 249-273.

2503 ROGERS, G. K. Grain itch. Amer. Med. Assoc., Jour. 123: 887-889. Dec. 4, 1943. 448.9 Am37  
Disease caused by *Pediculoides ventricosus*.

2504 RUDOLPH, B. A. A possible relationship between the walnut erinose mite *Eriophyes tristriatus* erineus; and walnut blight. Science 98: 430-431. Nov. 12, 1943. 470 Sci2

2505 RUDOLPH, B. A. The walnut erinose mite *Eriophyes tristriatus* erineus, a carrier of walnut blight. Diamond Walnut News 25(6): 4-5. Nov. 1943. 94.68 D34

2506 LA SARRA en las majadas. Chacra 13(156): 7-9, 68-69. Oct. 1943. 9 C34

2507 \*SCHULZE, PAUL. *Alveonassus peusi* n. sp., eine neue schwalbenzecke aus Griechenland. Zool. Anz. 141: 167-176. Mar. 1, 1943.

2508 \*SCHULZE, PAUL. *Dermacentor* (*Conocentor*) *everestianus* Hirst, eine bemerkenswerte zecke aus Tibet. Ergebnisse der Tibet-Expedition Ernst Schäfer 1938/39, Nr. 3. Zool. Anz. 141: 115-123. Feb. 15, 1943.

2509 \*SCHULZE, PAUL. Über zwei bemerkenswerte afrikanische schwesterarten von *Ixodes*: *I. rarus* Neum. und *vanidicus* n. sp. Zool. Anz. 142: 121-141. May 15, 1943.

2510 SMITH, R. H. Fuchsias injured by red mite *Tenuipalpus bioculatus*. Golden Gard. 10: 165, 174. Sept. 1943. 80 G56

2511 STARLING, J. H. Pauropoda from the Duke forest. Wash. Ent. Soc., Proc. 45: 183-200. Nov. 1943. Ref. 420 W27

New spp. in: *Brachypauropus*; *Pauropus* 3.

2512 \*SZALAY, L. Die erste wassermilbe (*Hydrachnellae*) aus unterirdischen gewässern in Ungarn. Zool. Anz. 142: 45-51. Apr. 15, 1943.

*Chappuisides hungaricus*, n. g. and sp. in *Stygo-hydracarinae*, n. sfam.

2513 TURNER, A. W. Spontaneous oxidation of arsenical cattle-dipping fluids and its possible control by means of lactose. Austral. Council Sci. and Indus. Res., Jour. 16: 129-134. Aug. 1943. 514 Au72J

Although L. Cohen's method of preventing oxidation in dips used to control *Boophilus annulatus australis* is undoubtedly effective, lactose is less expensive and easier to dissolve in the fluid. Further tests need to be made under various conditions. Author suggests that 6-10 lbs. of lactose be added to dip 3-4 days before use.

2514 \*VERHOEFF, K. W. Chilopoden der insel Kapri und der Sorrentinischen halbinsel. Zool. Anz. 141: 61-93. Jan. 31, 1943.

New spp. and forms in: *Lithobius*; *Himantarium*; *Schendyla*; *Dignathodon*; *Scoliophanes*.

2515 \*VERHOEFF, K. W. Neuer beitrag zur kenntnis der chilopoden der insel Ischia. Zool. Anz. 142: 62-83. Apr. 30, 1943.

New spp. and forms in: *Polybothrus*; *Pleuroolithobius*; *Lithobius*; *Monotarsobius*; *Cryptops*; *Geophilus*.

2516 \*VERHOEFF, K. W. Neues über Diplopoden der insel Ischia und über die bedeutung des mittel-darmturgors bei häutungen. Zool. Anz. 141: 214-231. Mar. 15, 1943.

New spp. and forms in: *Doderia*; *Synischiosoma*; *Prodicus*.

2517 \*ZUMPT, F. Hat *Haemalaster* Koch 1844 die priorität vor *Amblyomma* Koch 1844? *Acarina*, *Ixodides*. Zool. Anz. 142: 144. May 15, 1943.

#### COLEOPTERA

2518 BEAL, J. A., and McCLINTICK, K. B. The pales weevil *Hylobius pales* in southern pines. Jour. Econ. Ent. 36: 792-794. Oct. 1943. 421 J822

2519 BENNETT, S. H., and KEARNS, H. G. H. A method of washing out wireworms from soil samples. Bristol Univ., Agr. and Hort. Res. Sta., Ann. Rpt. 1942: 49-50. 1942. 84 B77

2520 BERGAMIN, J. O café e a necessidade do combate a broca *Stephanoderes hampei*. D. N. C.; Rev. Depto. Nac. do Café 11: 708-710. May 1943. 286.83 D44

2521 BLACKMAN, M. W. New species of American scolytoid beetles, mostly neotropical. U. S. Natl. Mus. Proc. 94: 371-399. 1943. 500 Sm65P

New spp. in: *Cnesinus* 8; *Camptocerus* 2; *Cerato-lepis*; *Hexacolus* 2; *Prionosceles* 2; *Phloeotribus* 5; *Renocis*; *Chramesus*; *Phrixosoma* 3; *Leperisinus* 2; *Phloeosinus*; *Carphobius* n.g.

2522 CANIZO, JOSE del. A propósito del escarabajo de la patata *Lentiniotarsa decemlineata*. Surco [Madrid, 11(15): 5-6. May 1943. 15 Su7  
See also illustrations on p. 12-13.

2523 CAZIER, M. A., and McCLAY, A. T. A revision of the genus *Coenonychia* (Coleoptera, Scarabaeidae). Amer. Mus. Nat. Hist., Amer. Mus. Novitates 1239, 27p. July 19, 1943. 500 N483N

Includes 20 new species, and key.  
2524 CHAMBERLIN, T. R., and FLUCKE, O. L. DN sulfur dust appears effective against the sweetclover weevil *Sitona cylindricollis*. [Scientific note.] Jour. Econ. Ent. 36: 797. Oct. 1943. 421 J822

2525 CHAMBERLIN, T. R., and CALLENBACH, J. A. Oviposition of June beetles *Phyllophaga* spp. and the survival of their offspring in grasses and legumes. Jour. Econ. Ent. 36: 681-688. Oct. 1943. 421 J822

2526 CHAMBERLIN, T. R., FLUCKE, O. L., and CALLENBACH, J. A. Species, distribution, flight, and host preferences of June beetles *Phyllophaga* spp., in Wisconsin. Jour. Econ. Ent. 36: 674-680. Oct. 1943. 421 J822



- 2527 CHANDLER, H. P. A new genus *Apteraliplus* of Halipilidae (Coleoptera) from California. Pan-Pacific Ent. 19: 154-158. Oct. 1943. 421 p193
- 2528 CONCEIÇÃO, CARLOS. Consequências econômicas da "broca" *Stephanoderes hampei*. D N C; Rev. Dept. Nac. do Café 11: 895-904. June 1943. 286.83 D44
- Includes discussion of the bethylid parasite, *Prorops nasuta* Waterston, p. 899-900.
- 2529 COSTA, R. G. Carunchos *Anobiidae*, em madeira. Rev. Agron. [Porto Alegre, Brazil] 7: 315. June 1943. 9.2 R325
- 2530 COTTIER, K. Wireworm damage in potatoes. New Zeal. Jour. Agr. 67: 195. Sept. 15, 1943. 23 N48J
- 2531 COTTIER, W., and SPILLER, D. The dicky rice weevil (*Maleuterpes spinipes* Blkb.). New Zeal. Jour. Sci. and Technol. 23: 213A-222A. Dec. 1941. 514 N48
- 2532 DONISTHORPE, HORACE. *Bruchus loti*, Panz., ab. *atricornis*, ab. n., an aberration of a species of *Bruchus* (Col. *Bruchidae*) new to science. Ent. Rec. and Jour. Variation 55: 99. Oct. 1943. 421 En89
- 2533 EMDEN, F. I. van. Larvae of British beetles. IV. Various small families. (Cont.) Ent. Monthly Mag. 79: 217-223, 259-264. Oct., Nov. 1943. 421 En86
- 2534 FISHER, W. S. Two new Buprestidae (Coleoptera). Wash. Ent. Soc., Proc. 45: 201-203. Nov. 1943. 420 W27
- Agrilus frisoni*; *Chrysobothris verdevallii*.
- 2535 \*GONZÁLEZ, MATÍAS, BARATTINI, L. P., and ROMERO, MESA de. Las cantaridas del Uruguay. Rev. Farm. [Buenos Aires] 84: 197-200. 1942
- Abs. in Biol. Abs. 17: item 22483. 1943. 442.8 B526
- 2536 HINTON, H. E. Notes on two species of *Attagenus* [*A. gloriosae*, *A. alfieri*] (Col., *Dermestidae*) recently introduced into Britain. Ent. Monthly Mag. 79: 224-227. Oct. 1943. 421 En86
- 2537 \*JASCHKE, P. von. Bemerkungen zum bau der alokosternalen cicindelinenelytren. Zool. Anz. 141: 231-234. Mar. 15, 1943.
- 2538 KAUFMANN, R. E. U. A contribution to the history of the aquatic Coleoptera of North and South Devonshire. (Concl.) Ent. Monthly Mag. 79: 228-230. Oct. 1943. Ref. 421 En86
- 2539 KULASH, W. M. The ecology and control of wireworms in the Connecticut River valley. Jour. Econ. Ent. 36: 689-693. Oct. 1943. 421 J822
- 2540 LINSLEY, E. G. The date-stone beetle [*Coccotrypes dactyliperda*] in California and Lower California. [Scientific note.] Jour. Econ. Ent. 36: 804-805. Oct. 1943. 421 J822
- Since it now appears that the beetles attack mature dates while they are being sun-dried, the commercial practice of transferring freshly picked dates to packing houses for sorting and processing greatly reduces danger of infestation.
- 2541 LUNDERWALDT, HERMANN. *Passalídeos americanos*. São Paulo, Brazil. Sec. dos Negócios da Agr. Indus. e Com. Arg. de Zool. 3: 75-91. 1942. 410 Ar6
- New spp. and forms in: *Passalus* 3; *Popilius* 5; *Verres*; *Veturius* 4.
- 2542 MASON, A. C., CHISHOLM, R. D., and BURGESS, E. D. Ethylene dichloride treatments for the immature stages of the Japanese beetle [*Popillia japonica*]. Jour. Econ. Ent. 36: 734-737. Oct. 1943. 421 J822
- 2543 PEREIRA, F. S. Contribuição para o conhecimento da subfamília dos *Pseudacanthinae* (Col. *Passalidae*). São Paulo, Brazil. Sec. dos Negócios da Agr., Indus. e Com. Arg. de Zool. 3: 93-113. 1942 Ref., p. 110-111. 410 Ar6
- Includes new species: *Oileoides fischeri*.
- 2544 RAJ, J. S. Observations on a few cases of larval ecdysis of the Indian glow-worm, *Lamprophorus tenebrosus* Wlk. Bombay Nat. Hist. Soc., Jour. 44: 142-143. Aug. 1943. 513 B63
- 2545 SAYLOR, L. W. Revision of the *rorulenta* group of the scarab beetle genus *Phyllophaga*. Wash. Biol. Soc., Proc. 56: 129-142. Oct. 19, 1943. 500 W272
- Five new spp.
- 2546 SHOT hole borer [*Scolytus rugulosus*] is damaging Yakima valley trees. "Big Y" Bul. 19(12): 1, 4. Oct./Nov. 1943. 286.83 B48
- On apricot, peach, and cherry trees "in alarming numbers."
- 2547 SPECTOR, WILLIAM. Collecting beetles (Trox) with feather bait traps (Coleoptera; *Scarabaeidae*). Ent. News 54: 224-229. Nov. 1943. 421 En88
- 2548 STONE, E. L., JR., and SCHWARDT, H. H. White grub [*Phyllophaga* spp.] injury to young plantations in New York. Jour. Forestry 41: 842-844. Nov. 1943. 99.8 F768
- 2549 STREBTON, G. B. Some observations on the leaf-rolling habits of *Byctiscus populi* L. (Col. *Curculionidae*). Ent. Monthly Mag. 79: 252-255. Nov. 1943. 421 En86
- 2550 SWAIN, R. B. Nematode parasites of the white-fringed beetles [*Pantomorus* spp.]. Jour. Econ. Ent. 36: 671-673. Oct. 1943. 421 J822
- Refers chiefly to the genus *Necaplectana*.
- 2551 \*UEHANN, E. Die deckenskulptur der *Oncocephala*-arten; beitrage zur kenntnis der hispinen (Col. Chrys.). Zool. Anz. 141: 241-255. Mar. 31, 1943.
- 2552 WOLCOTT, A. B. Notes on the North American species of *Orthopleura* Spin. (Coleoptera, *Cleridae*). Pan-Pacific Ent. 19: 134-138. Oct. 1943. 421 P193

## DIPTERA

- 2553 ADAMS, C. F., and GORDON, W. M. Notes on mosquitoes of Missouri (Diptera: *Culicidae*). Ent. News 54: 232-235. Nov. 1943. 421 En88
- 2554 BANA, G. D. Control of *Aedes aegypti* (L.) (Diptera: *Culicidae*) or tiger mosquito (the carrier of yellow fever) in the Bombay harbour by a patent mosquito-proof cap and tap. Bombay Nat. Hist. Soc., Jour. 44: 139-142. Aug. 1943. 513 B63
- 2555 \*ELASCOW, J. P., and MACINNES, D. G. *Anopheles* of British Somaliland. East African Med. Jour. 20: 176-179. June 1943.
- Noted in Cur. List Med. Lit. 5: column 372. Sept. 9, 1943. 241.71 C93
- 2556 BUTLER, F. A. Malaria control program on a South Pacific base. U. S. Bur. Med. and Surg., U. S. Nav. Med. Bul. 41: 1603-1612. Nov. 1943. 153.45 Un3
- Control measures included oiling, drainage, screening, mosquito studies, carrier control, and "the establishment of good malaria discipline." *Anopheles punctulatus* var. *moluccensis* was the vector.
- 2557 CALDWELL, N. E. H., and MAY, A. W. S. Fruit fly luring investigations. Queensland Agr. Jour. 57: 166-168. Sept. 1, 1943. 23 Q33
- 2558 CAMBOURNAC, F. J. C., and HILL, R. B. Profilaxia do sezoniismo. O combate as larvas de *Anopheles* nos arrozais por meio de "irrigação intermitente" e os seus efeitos sobre a produção de arroz e consumo de água. 36 p. Lisboa, 1941. 428 C14
- Reprinted from Rev. Clin. Hig. e Hidrologia. Oct. 1941.
- 2559 CHANDLER, S. C. The apple maggot [*Rhagoletis pomonella*]. Ill. State Hort. Soc., Ill. Hort. 32(4): 8. Nov. 1943. 80 I166
- 2560 COFFEY, E. R. Malaria. Amer. Jour. Nursing 43: 996-998. Nov. 1943. 448.8 Am323
- Refers to *Anopheles gambiae* in Brazil.



2561 COLLIN, J. E. The British species of Helomyzidae (Diptera). Ent. Monthly Mag. 79: 234-240, 241-251. Oct., Nov. 1943. 421 En86

New spp.: *Helomyza infera*; *H. dunicola*; *Neoleria propinqua*. *Tephrochlaena oraria*, n. n. for *T. halterata* Czerny nec Mg.

2562 CORNMAN, IVOR. Suspension of pole cell formation in *Drosophila* eggs by hydrostatic pressure. Jour. Cell. and Compar. Physiol. 22: 197-198. Oct. 1943. 444.8 J822

2563 \*\*COVELL, G. Protección contra las picadas de zancudos. Tijeretazos sobre Malaria [Caracas] 7: 61-67. 1943.

Noted in Cur. List Med. Lit. 5(15): col. 530. Oct. 14, 1943. 241.71 C93

2564 CULLINAN, E. R., and WHITTAKER, S. R. F. Outbreak of sandfly [Flebotomus] fever in two general hospitals in the Middle East. Brit. Med. Jour. 1943, 2(4321): 543-545. Oct. 30, 1943. 448.8 B77

2565 DARLINGTON, E. P. "Bred" or "reared" and note on the blueberry fruit fly [Rhagoletis mendax] (Diptera: Trypetidae). Ent. News 54: 217-219. Nov. 1943. 421 En88

2566 \*\*DETINOVA, T. S. On the biology of mosquitoes of the genus *Aedes*. [Translated title.] Med. Parasitol. and Parasitic Dis. 11(3): 44-52. 1942.

Abs. in Trop. Dis. Bul. 40: 565-566. July 1943. 448.8 T752

2567 DOBZHANSKY TH., and DREYFUS, ANDRÉ. Chromosomal aberrations in Brazilian *Drosophila ananassae*. Nat. Acad. Sci., Proc. 29: 301-305. Oct./Nov. 1943. 500 N21P

2568 FERGUSON, R. L. Sandfly [Flebotomus papatasi] fever and the rheumatic series. Brit. Med. Jour. 1943, 2(4321): 545-546. Oct. 30, 1943. 448.8 B77

Records 2 cases of sandfly fever and 1 case of "pyrexia of rheumatic origin" which bore a "remarkable similarity." Author believes it to be an unusual association.

2569 FREEBORN, STANLEY. Problems created by returning malaria carriers. Calif. State Dept. Pub. Health, Calif. Health 1: 61-64. Nov. 15, 1943. 449.8 C12

Includes discussion of *Anopheles* spp. as vectors and establishment of anti-mosquito programs.

2570 \*\*GOMEZ MARCANO, A., and SUAREZ, A. Contribución al estudio de la infección oocística natural del *Anopheles*, darlingi y *A. albimanus* en Venezuela. Tijeretazos sobre Malaria [Caracas] 7: 50-61 1943.

Noted in Cur. List Med. Lit. 5(15): column 530. Oct. 14, 1943. 241.71 C93

2571 GRAHAM, L. T., and TATE, H. D. Nebraska cattle grub [Hypoderma] survey. [Scientific note.] Jour. Econ. Ent. 36: 801-802. Oct. 1943. 421 J822

2572 GUIMARÃES, D. R. Contribuição ao conhecimento dos cuterebrídeos do Brasil. São Paulo, Brazil. Sec. dos Negócios da Agr., Indus. e Com. Arq. de Zool. 3: 1-11. 1942. Ref., p. 10-11. 410 Ar6

New spp.: *Cuterebra* (*Baucuterebra*) *almeida*, C. (*Metacuterebra*) *peçoai*, C. (*Metacuterebra*) *worontzowi*

2573 GURLAND, I. New type of sodium arsenite fly trap. Roy. Army Med. Corps, Jour. 81: 148-149. Sept. 1943. 448.9 B31

2574 HAMMON, W. M., and REEVES, W. C. Laboratory transmission of western equine encephalomyelitis virus by mosquitoes of the genera *Culex* and *Culiseta*. Jour. Expt. Med. 78: 425-434. Dec. 1943. 448.8 J822

2575 JAMES, M. T. The genus *Culicoides* in northern Colorado (Diptera, Ceratopogonidae). Pan-Pacific Ent. 19: 148-153. Oct. 1943. 421 P193

2576 \*JÍROVEC, OTTO. Revision der in Simulium-larven parasitierenden mikrosporidien. Zool. Anz. 142: 173-179. May 31, 1943.

2577 JONES, J. W., JR. Observations and suggestions concerning some factors related to malaria mosquito surveys. Tenn. Acad. Sci., Jour. 18: 298-304. Oct. 1943. 500 T25A

Experiments with *Anopheles quadrimaculatus* at the station located on Sardis Reservoir, Mississippi.

2578 KALMUS, HANS. The optomotor responses of some eye mutants of *Drosophila*. Jour. Genet. 45: 206-213. Oct. 18, 1943. 442.8 J823

2579 KNOER, L. C. Controlling midge, *Dasyneura rhodophaga*. Amer. Rose Mag. 5: 120-121. Nov./Dec. 1943. 80 Am327A

2580 LANE, J., and CERQUEIRA, N. L. Os sabetíneos da América (Diptera, Culicidae). São Paulo, Brazil. Sec. dos Negócios da Agr., Indus. e Com. Arq. de Zool. 3: 473-843. 1942. Ref. 410 Ar6 Contains new descriptions.

2581 LANGE, W. H., JR. Dichlorethyl ether for cabbage maggot [Hylemya brassicae] control. [Scientific note.] Jour. Econ. Ent. 36: 806-807. Oct. 1943. 421 J822

2582 \*\*LAVRENKO, E. M. Morphological differences in the larvae of subspecies of *Anopheles maculipennis*. [Translated title.] Med. Parasitol. and Parasitic Dis. 11(3): 30-39. 1942. Abs. in Trop. Dis. Bul. 40: 510-511. July 1943. 448.8 T752

2583 \*LINDNER, E. Zwei neue afrikanische Nematelusen-arten. Diptera fam. Stratiomyidae. Zool. Anz. 141: 176-178. Mar. 1, 1943.

2584 MACFARLANE, W. F. Blowfly strike in Marlborough, New Zealand. New Zeal. Jour. Sci. and Technol. 23: 205A-213A. Dec. 1941. 514 N48

The worst strikes were single primary attacks, 90 percent by *Calliphora laemica*, the remainder by *Phaenicia sericata*.

2585 McNEIL, ETHEL. Leucocytozoon infection in turkeys in California. Calif. Turkey News, Sept. 1943, p. 31, 33. 47.38 C12

Simuliid gnats are the vectors.

2586 MARSHALL, J. F. Mosquitoes and static water tanks. Brit. Med. Jour. 1943, 2(4320): 523-524. Oct. 23, 1943. 448.8 B77

2587 MEYER, J. R. O alho no tratamento do berne [Dermatobia sp.]. Biológico 9: 163-168. July 1943. 442.8 B529

2588 \*\*MILLER, L. M. Carlos Finlay: the Americas' forgotten Pasteur. Catholic World 157: 587-591. Sept. 1943.

Popular account of his work on the relation of mosquitoes and yellow fever.

2589 MILLS, H. B. An outbreak of the snipe fly *Symphoromyia hirta*. [Scientific note.] Jour. Econ. Ent. 36: 806. Oct. 1943. 421 J822

Reports serious annoyance to human beings in mountains of southwest Montana during summer of 1943, and suggests possible importance in transmission of disease.

2590 OLDHAM, C. H. Black currant leaf midge [Dasyneura tetensii]. Fruit Grower, Fruiterer, Florist & Market Gard. 96: 291. Oct. 14, 1943. 80 F941

2591 PIERCE, C. L. Canal Zone sanitation. Panama Canal [Zone] Health Dept. Rpt. (1941): 17-19. 1942. 152.43 H34A

Discusses control of Anopheline breeding and of fly breeding in garbage dumps.

2592 PER, M. E. The effect of reduction in numbers of matidia upon the brain of *Drosophila melanogaster* [i.e. ampelophila]. Jour. Expt. Zool. 94: 33-71. Oct. 1943. Ref. 410 J825

2593 RAFF, J. W. On the swarming of *Scatopse* sp. (Diptera). Victorian Nat. 60: 67-69. Sept. 1943. 410 V66



- 2594 RAPP, W. F., JR. Some new North American Pipunculidae (i.e. Dorilaidae) (Diptera). Ent. News 54: 222-224. Nov. 1943. 421 En88
- New spp. and forms in: Allomethus 2; Pipunculus 2.
- 2595 \*ROBERT, K. Die frassschäden durch wiesenschnakenlarven [Tipulidae]. Landbauernschaft Sachsen-Anhalt Wchnbl. 101: 316. June 5, 1943.
- 2596 ROSENBLAD, L. E. Speciation in Drosophila. (Abs.) Tex. Acad. Sci. Proc. and Trans. (1943) 26: 43-44. 500 T31
- 2597 ROSENSTIEL, R. G. The effect of certain chemicals on the cherry fruit fly [Rhagoletis cingulata]. [Scientific note.] Jour. Econ. Ent. 36: 800-801. Oct. 1943. 421 J822
- 2598 RUSSELL, P. F. Menace of malaria increases. Calif. State Dept. Pub. Health, Calif. Health 1: 38-40. Sept. 30, 1943. 449.8 C12
- Excerpts from address. Includes discussion of malaria therapy, pyrethrum spray killing of mosquitoes, and species eradication of Anopheles gambiae in Brazil.
- 2599 RUSSELL, P. F., KNIPE, F. W., and RAMANATHA RAO, H. On agricultural malaria and its control with special reference to south India. 13 p. [n.p.] 1942. 448 R912
- Reprinted from Indian Med. Gaz. 77: 744-756. Dec. 1942.
- Discusses relation to culture of rice and other crops, and methods of control. Anopheles culicifacies is the vector.
- 2600 SISK, W. N. Post-war malaria prevention by the county health department. Amer. Jour. Pub. Health 33: 1343-1346. Nov. 1943. 449.9 Am3J
- The medical director of Buncombe County Board of Health, Asheville, N. C., discusses malaria danger from returning troops, need for resurvey of potential malaria spreading mosquito populations, and method of making Anopheles surveys.
- 2601 SOUTO, G. G. Miases nas aves. Soc. Bras. de Med. Vet., Bol. 12: 25-30. Jan./June 1943. 41.9 Sol4
- 2602 STERN, CURT. Genic action as studied by means of the effects of different doses and combinations of alleles in Drosophila ampelophila. Genetics 28: 441-475. Nov. 1943. 442.8 G28
- 2603 TRAVASSOS FILHO, LAURO, and CARRERA, MESSIAS. Xanthozona melanopyga (Wiedmann, 1830) (Diptera: Tachinidae) predadora de Brassolis astyra Godart, 1824 (Lepidoptera: Brassolidae), praga das palmeiras. Dados bionômicos dos dois insetos e morfológicos da taquínídeo. São Paulo, Brazil. Sec. dos Negócios de Agr., Indús. e Com. Arq. de Zool. 3: 43-74. 1942. Ref., p. 72-74. 410 Ar6
- 2604 VARGAS, LUIS. El "grupo maculipennis" del nuevo mundo y el Anopheles earlei. [Mex.] Inst. Salubridad y Enferm. Trop., Rev. 4: 279-286. Sept. 1943. 449.9 M572
- English summary, p. 284.
- Author states that Anopheles of the "so-called maculipennis group" should be treated as species and the specific name maculipennis discarded.
- 2605 VARGAS, LUIS, DÍAZ Nájera, ALFONSO, and MARTÍNEZ PALACIOS, AMADO. Tres simulidos [Simulium spp.] nuevos para México. [Mex.] Inst. Salubridad y Enferm. Trop., Rev. 4: 287-292. Sept. 1943. 449.9 M572
- English summary, p. 290.
- 2606 VAZQUEZ, LEONILA, and NIETO ROARDO, DANIEL. Nota acerca del estudio del paludismo en Izúcar de Matamoros, Pue., en la época seca del invierno. Mexico. Univ. Nac., Inst. de Biol. An. 14: 83-92. 1943. 442.9 M57
- Antilarval measures against Anopheles punctipennis are included.
- 2607 WATSON, SIR MALCOLM. The geographical aspects of malaria. Smithan. Inst. Ann. Rpt. 1942: 339-350. 1943. 500 Sm6R
- Anopheles spp. as vectors.
- 2608 \*WEISER, JAROSLAV. Zur Kenntnis der mikrosporidien aus chironomiden-larven. II. Zool. Anz. 141: 255-264. Mar. 31, 1943.
- 2609 WILLIAMS, L. L., JR. Malaria - public health and economic aspects. Chem. and Engin. News 21: 1148-1151. July 25, 1943. 381 J825N
- Discusses nature and importance of malaria, Anopheles as vectors, drugs used for control.
- 2610 WINDSOR, A. S. The little known larvae of Microdon. Turtos News 21: 141-144. Nov. 1943. 442.8 T86
- 2611 \*WUNDSCH, H. H. Die metamorphose von Demeijerea rufipes L. (Dipt. Tendip.) Zool. Anz. 141: 27-32. Jan. 15, 1943

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 2612 BANCORA, E. D. Utilidad de la fabricacion del polisulfuro de la chacra. Vinos, Viñas y Frutas 38: 104, 107. Aug. 1943. 9 Ag89
- Calcium polysulfide for scale insects.
- 2613 CHANDLER, S. C. The scale situation. Ill. State Hort. Soc. News Letter 1943(8): 3. Dec. 1943. 81 Il6N
- Surveys show reduction in Aspidiotus perniciosus and Lepidosaphes ulmi infestations in state.
- 2614 CRYSTAL, R. N. Galls of Adelges (Gillettea) cooleyi Gillette (Hom., Adelgidae) on Sitka spruce in Cumberland. Ent. Monthly Mag. 79: 233. Oct. 1943. 421 En86
- First record for England.
- 2615 DAVIDSON, R. H., and DeLONG, D. M. Studies of the genus Empoasca (Homoptera, Cicadellidae) Part X. Fourteen new species of Empoasca from Mexico. Ohio Jour. Sci. 43: 214-220. Sept. 1943. 410 Oh3
- 2616 DECKER, G. C. Toxic-dust barriers for chinch bug [Blissus leucopterus] control. Jour. Econ. Ent. 36: 658-661. Oct. 1943. 421 J822
- 2617 DeLONG, D. M. The Mexican leafhoppers of the genera Cloanthanus and Scaphytopius (Homoptera-Cicadellidae). Lloydia 6: 157-195. Sept. 1943. 442.8 L77
- Thirty-six n. spp. of Cloanthanus.
- 2618 \*DeSHAZO, T. E. Triatoma heidemanni as a possible vector of relapsing fever. Amer. Jour. Med. Technol. 9(3): 75-81. 1943.
- Abs. in Biol. Abs. 17: item 20916. 1943. 442.8 B526
- 2619 ESSIG, E. O. An alternate host record for the aphid, Thecabius populi-monilis (Riley). Pan-Pacific Ent. 19: 133. Oct. 1943. 421 Pl93
- Apterous forms found on roots of willow (Salix sp.) Author believes it is first record of this aphid on roots of any plant.
- 2620 ESSIG, E. O. Sumac-gall aphid, Melaphis rhois (Fitch), in Arizona. Pan-Pacific Ent. 19: 147. Oct. 1943. 421 Pl93
- On red sumac, Rhus glabra L.
- 2621 FUNKHOUSER, W. D. A new membracid genus [Thuris] from Peru (Homoptera). Ent. News 54: 229-232. Nov. 1943. 421 En88
- Genotype, T. fenestratus, n. sp.
- 2622 GREENHOUSE white fly [Trialeurodes vaporariorum]. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflets 86, 4 p. London, 1943. 10 G79La
- 2623 HARRIS, H. M. New Neididae (Hemiptera) from South America, with notes on some little-known species. Pittsburgh, Carnegie Inst. Mus., Ann. 29: 443-450. Oct. 1943. 500 P68A
- New spp. in: Xenoloma, n. g.; Phaconotus, n. g.; Protacanthus; Parajalysus 2.
- 2624 INSTRUCCIONES para combatir la cochinilla coma de los citrus (Lepidosaphes beckii Newm.) en la provincia de Buenos Aires. Bol. de Agr., Ganad. e Indus. [La Plata, Argentina] 23(7): 14-15. July 1943. 9 B866



- 2625 INSTRUCCIONES para combatir la cochinilla del delta (*Lecanium deltae* Lizer) en la provincia de Buenos Aires. Bol. de Agr., Ganad. e Indus. [La Plata, Argentina, 23(7): 12-13. July 1943. 9 B866
- 2626 JOHNSON, P. C. Scientists have spotted a band of saboteurs [*Adelphocoris lineolatus*]. Country Gent. 113(11): 28. Nov. 1943. 6 C833
- 2627 JONES, H. G. A brown aphid, *Aphis* (*Doralis*) *cognatella*, sp. n., found on spindle tree [*Euonymus europaeus*]. Bul. Ent. Res. 34: 213-224. Oct. 1943. 421 B87
- 2628 KNIGHT, H. H. New species of *Polymerus* (Westwood) from the United States (Hemiptera, Miridae) Canad. Ent. 75: 179-182. Oct. 1943. 421 C16
- 2629 LEPAGE, H. S., and GIANNOTTI, O. Cochoni-lhas da jaboticabeira. Biológico 9: 169-173. July 1943. 442.8 B529
- 2630 NELSON, H. D. The position of the rostralis of the California red scale [*Aonidiella aurantii*] feeding on lemons. Jour. Econ. Ent. 36: 750-751. Oct. 1943. 421 J822
- 2631 \*\*PIFANO, F. La enfermedad de Chagas en el Estado Yaracuy, Venezuela. Gac. Med. de Caracas 48: 201-206, 209-216, 220-227, 232-236, 244-246. 1941. Refs.  
Abs. in Rev. Appl. Ent. B 31: 181. Sept. 1943. 421 R325B
- Rhodnius prolixus* most important of seven vectors listed.
- 2632 PIZA JOR., S. de TOLEDO. Fatos velhos e novos em favor da teoria do cromossômio-unidade. Rev. de Agr. [Piracicaba, Brazil, 18: 191-207. Mar./June 1943. Ref. 9.2 R324  
Summary in English.  
Based on study of meiosis in *Diactor bilineatus* (Hemiptera, Coreidae).
- 2633 \*\*PODEPADSEKY, J. Chlorpikrin als pflanz-schutzmittel. Budapest, Magyar Kir. Kertészeti Akad., Közlem. 7: 116-124. 1941.  
Abs. in Rev. Appl. Ent. A 31: 375. Sept. 1943. 421 R325
- Apple trees injured at concentrations too low to kill *Aspidiotus perniciosus*.
- 2634 PYENSON, LOUIS. Death to euonymus scale [*Chionaspis euonymi*]. Home Gard. 2(5): 31. Nov. 1943. 80 H756  
Elgetol effective as dormant spray.
- 2635 SHELFORD, V. E., and FLINT, W. P. Populations of the chinch bug [*Blissus leucopterus*] in the upper Mississippi Valley from 1823 to 1940. Ecology 24: 435-455. Oct. 1943. Ref. 410 Ec7
- 2636 SMITH, J. H. Citrus aphids [*Aphis spirea-cola*]. Queensland Agr. Jour. 57: 162-163. Sept. 1, 1943. 23 Q33
- 2637 SOKOLOFF, V. P., and KLOTZ, L. J. Susceptibility of California citrus red scale [*Aonidiella aurantii*] to bacterial infection in relation to nitrogen content of the substratum. Citrus Leaves 23(11): 6-7. Nov. 1943. 80 C492
- 2638 USINGER, R. L. A taxonomic note on *Aradus depictus* Van Duzee. Pan-Pacific Ent. 19: 138. Oct. 1943. 421 P193
- 2639 VARELA, GERARDO, and MAZZOTTI, LUIS. Conservación del virus del tifo en *Triatoma barberi* Usinger, 1939. [Mex.] Inst. Salubridad y Enferm. Trop., Rev. 4: 211-213. Sept. 1943. 449.9 M572  
English summary, p. 213.  
The virus of orchitic typhus may be preserved in this species for at least 33 days.
- 2640 LA VIÑA y sus agentes destructores. Agrario [Santiago, Chile, 8(321): 3, 6. Aug. 16, 1943. 9.3 Ag85  
Refers to *Phylloxera chilensis*.
- 2641 WATSON, J. R. Erradicación de los áfidos de las plantas cítricas. Hacienda 38: 479, 492. Nov. 1943. 6 H11
- 2642 WIGGLESWORTH, V. B. The fate of haemoglobin in *Rhodnius prolixus* (Hemiptera) and other blood-sucking arthropods. Roy. Soc. London., Proc., Ser. B. 131: 313-339. 501 L84B
- 2643 YUST, H. R., NELSON, H. D., and BUSREY, R. L. Comparative susceptibility of two strains of California red scale [*Aonidiella aurantii*] to HCN, with special reference to the inheritance of resistance. Jour. Econ. Ent. 36: 744-749. Oct. 1943. 421 J822

## HYMENOPTERA

- 2644 \*BLUMCK, H. Zur biologie von *Paravespula germanica* (F.) Zool. Anz. 142: 51-55. Apr. 15, 1943.
- 2645 BRUNER, S. C., and OCHOA, L. Método para destruir la arriera [*Atta* spp.] con azufre y arsénico. Rev. de Agr. y Com. [Panama, 3(25): 35-38. Sept. 1943. 8 R3291
- 2646 BURKS, B. D. The North American parasitic wasps of the genus *Tetrastichus* - a contribution to biological control of insect pests. U. S. Natl. Mus., Proc. 93: 505-608. 1943. 500 Sm65P  
Revision, including keys, 23 new spp., 18 new combinations and one new name.
- 2647 DAVIS, A. C. Effect of California buckeye on ants. [Scientific note.] Jour. Econ. Ent. 36: 800. Oct. 1943. 421 J822
- 2648 DeBACH, PAUL. The importance of host-feeding by adult parasites in the reduction of host populations. Jour. Econ. Ent. 36: 647-658. Oct. 1943. 421 J822
- 2649 FLANDERS, S. E. The potato tuber worm [*Gnorimoschema operculella*], a host suitable for mass production of *Macrocentrus ancylivorus*. [Scientific note.] Jour. Econ. Ent. 36: 807. Oct. 1943. 421 J822
- 2650 FLANDERS, S. E. The rôle of mating in the reproduction of parasitic Hymenoptera. [Scientific note.] Jour. Econ. Ent. 36: 802-803. Oct. 1943. 421 J822  
Discusses effects of mating in uniparental and biparental species, and relation between mating, oviposition habits, sex ratio, and viability of eggs.
- 2651 FROST, S. W. An observation box for solitary bees and wasps. [Scientific note.] Jour. Econ. Ent. 36: 803-804. Oct. 1943. 421 J822
- 2652 HARTMAN, C. G. A glass-tube method of observing the home life of solitary bees and wasps. School Sci. and Math. 43: 709-711. Nov. 1943. 470 Sch64  
Refers to *Ancistrocerus* (*Odynerus*), *Trypoxylon*, *Alcidamea*.
- 2653 HOPPING, G. R., LEECH, H. B., and MORGAN, C. V. G. The larch sawfly, *Pristiphora erichsonii* (Hartig) in British Columbia, with special reference to the cocoon parasites *Mesoleius tenthredinis* Morley and *Tritneptis klugii* (Ratzeburg). Sci. Agr. 24: 53-63. Oct. 1943. 7 Sci2
- 2654 HORN, A. B. Proof for multiple allelism of sex-differentiating factors in *Habrobracon* [i.e. *Microbracon*]. Amer. Nat. 77: 539-550. Nov./Dec. 1943. 470 Am36
- 2655 LINSLEY, E. G. Notes on the habits of *Melecta sierrae* Linsley. Pan-Pacific Ent. 19: 160. Oct. 1943. 421 P193
- 2656 MITRA, K., and MITTRA, H. C. Determination of the biological value of proteins from red ants (*Oecophylla smaragdina*) by the balance-sheet method. Indian Jour. Med. Res. 31: 45-47. May 1943. 448.8 In22
- 2657 MORLEY, CLAUDE. The home of *Stephanus*. Entomologist 76: 212-213. Oct. 1943. 421 En8
- 2658 PATE, V. S. L. Three new *Oxybelus* [*Oxybelus cocopa*, *O. pitanta*, *O. puente*] from southern California. Pan-Pacific Ent. 19: 121-128. Oct. 1943. 421 P193



- 2658 RAINSON, V. H. Antville antics. Nature Mag. 36: 541, 552. Dec. 1943. 409.6 M214  
Observations on an ant nest.
- 2660 ROSS, H. H. The nearctic sawflies of the genus Rhogogaster (Hymenoptera). Pan-Pacific Ent. 19: 129-133. Oct. 1943. 421 P193
- 2661 A SAUVA [Atta spp.] e outras formigas do Brasil. Rev. Rural Bras. 23(276): 39-41. Aug. 1943. 9.2 B733
- 2662 SCHWARZ, H. F. Bees of the genus Anthidium from Peru. Amer. Mus. Nat. Hist., Amer. Mus. Novitates 1242, 6 p. Aug. 19, 1943. 500 N483N
- 2663 SCHWARZ, H. F. New Trigona bees from Peru. Amer. Mus. Nat. Hist., Amer. Mus. Novitates 1243, 10 p. Aug. 20, 1943. 500 N483N
- 2664 SMITH, M. R. A new male legionary ant [Eciton mojave] from the Mojave Desert, California. Lloydia 6: 196-197. Sept. 1943. 442.8 L77
- 2665 \*\*SZELENYI, G. von. Die schildlausparasiten aus der familie der chalcididen (Hym.). Budapest, Magyar Kir. Kertészeti Akad., Közlem. 7: 176-202. 1941.  
Abs. in Rev. Appl. Ent. A 31: 380. Sept. 1943. 421 R325
- 2666 WALLACE, G. E. Observations on the life history of a new chalcidoid wasp [Stomatoceras rubra var. eriensis], an internal parasite of ant-lion [Myrmaleon immaculatus] larvae. Pittsburgh, Carnegie Inst. Mus., Ann. 29: 31-40. Oct. 1943. 500 P68A  
See also Apiculture and Apis mellifera.
- LEPIDOPTERA
- 2667 ALLAN, P. B. M. Alder v. birch, as food plant of Lepidoptera. Ent. Rec. and Jour. Variation 55: 95-97. Oct. 1943. 421 En89
- 2668 APPLE enemy No. 1 [Carpocapsa pomonella]. Mountaineer Grower 14(148): 3-4. Oct. 1943. 80 M86
- 2669 BAKER, HOWARD. Orchard tests of chemically treated bands for codling moth [Carpocapsa pomonella] control in the Missouri River valley. Jour. Econ. Ent. 36: 760-764. Oct. 1943. 421 J822
- 2670 BIRKINA, B. N. Vliianie mikrogoz margantsa i medi na razvitie i tsiklichnost' kitaishkogo dubovogo shelkopriada. [The effect of the manganese and copper doses on the development and cyclicity of Anthrenes pernyi Guer.] Bul. de Biol. et de Med. Expt. de l'URSS 13: 13(5/6): 78-81. July 23, 1942. Text in Russian.
- 2671 BOBROV, N. I. Opyt kornleniya chervei dubovogo shelkopriada, (Anthrenes pernyi Q. p. i. e. Guer.) konservirovanykh listom. [Experiments on the feeding of silkworms (A. pernyi) with preserved leaves.] Bul. de Biol. et de Med. Expt. de l'URSS 14(1): 121-123. July 27, 1942. Text in Russian.
- 2672 BURKILL, H. J. Lepidoptera notes, 1942. London Nat. 1942: 25-27. Sept. 1943. 420 L843  
Cucullia verbasci and its food plants, p. 26-27.
- 2673 CARPENTER, G. D. H., and LEWIS, C. B. A collection of Lepidoptera (Rhopalocera) from the Cayman Islands. Pittsburgh, Carnegie Inst. Mus., Ann. 29: 371-396. Oct. 1943. 500 P68A
- 2674 CASPARI, ERNST. The tryptophane content of a\*<sup>a</sup> and aa Ephesia kühniella Z. Science 98: 478-479. Nov. 26, 1943. 470 Sci2
- 2675 CHERIAN, M. C. The coconut caterpillar [Nephantis serinopa]. Madras. Dept. Agr., Leaflet 87, 2 p. 1940. 22 M26L
- 2676 CLARK, C. O. A history of commercial mothproofing 1920-1940. Soc. Dyers and Colourists Jour. 59: 213-215. Oct. 1943. 306.9 S01
- 2677 CLARK, R. M. Use of summer oil in controlling codling moth [Carpocapsa pomonella]. Iowa State Hort. Soc., Trans. (1942) 77: 40-44. 81 Io9
- 2678 CLENCH, H. K. Two new subspecies of Incisalia (Lepidoptera, Lycaenidae). Canad. Ent. 75: 182-185. Oct. 1943. 421 C16
- 2679 COMPTON, C. C. Light traps will aid in codling moth [Carpocapsa pomonella] forecasts in 1944. Ill. State Hort. Soc. News Letter 1943(8): 1. Dec. 1943. 81 IL6N
- 2680 CONTRA el bicho de cesto [Oeceticus sp.]. Chacra 13(156): 35, 47. Oct. 1943. 9 C34
- 2681 CORBET, A. S. Notes on two genera of butterflyflies. Entomologist 76: 206-207. Oct. 1943. 421 En8  
Atrophaneura; Idrusia, n. n. for Euripus Doubleday, preoccupied.
- 2682 DAINBREUTHER, T. Hibernation of Vanessa atalanta. Entomologist 76: 210. Oct. 1943. 421 En8
- 2683 DeGRYSE, J. J. Spruce budworm [Archips funiferana], infestations a serious menace. Canada Lumberman 63(23): 14. Dec. 1, 1943. 99.81 C16
- 2684 DETHIER, V. G. The dioptric apparatus of lateral ocelli. II. Visual capacities of the ocellus. Jour. Cell. and Compar. Physiol. 22: 115-126. Oct. 1943. 444.8 J822  
Optical measurements on lenses from ocelli of caterpillar Isia isabella.
- 2685 DUMBLETON, L. J., and DICK, R. D. Chemical control of Oxycaenus cervinata Walker. II. Experiments in 1941 season. New Zeal. Jour. Sci. and Technol. 23: 284A-293A. Feb. 1942. 514 N48
- 2686 ELIOT, N. Migration v. hibernation. Entomologist 76: 193-198. Oct. 1943. 421 En8  
Refers principally to Lepidoptera.
- 2687 FOX, R. M. New and rare Ithomiinae (Lepidoptera) in the Carnegie Museum. Pittsburgh, Carnegie Inst. Mus., Ann. 29: 397-408. Oct. 1943. 500 P68A  
New spp. and forms in: Hypothyris; Hyaliris 2; Napeogenes; Oleria.
- 2688 FREEMAN, H. A. Notes on and redescription of Megathymus yuccae (Boisduval & LeConte) and its subspecies (Lepidoptera, Rhopalocera, Hesperioidea). Ent. News 54: 211-217. Nov. 1943. 421 En88
- 2689 HARCOURT-BATH, WILLIAM. Papilio arcturus in the Himalayas. Bombay Nat. Hist. Soc., Jour. 44: 137-139. Aug. 1943. 513 B63
- 2690 HINTON, H. E. The larvae of the Lepidoptera associated with stored products. Bul. Ent. Res. 34: 163-212. Oct. 1943. 421 B87
- 2691 HODGKISS, H. E. Clean-up needed in control of corn borer [Pyrausta nubilalis]. Pa. Grange News 40(8): 6. Nov. 1943. 6 P38
- 2692 HOLMES, J. W. O. A breeding experiment with Lycaena phlaeas L. ab. obsleta. Entomologist 76: 204-205. Oct. 1943. 421 En8
- 2693 ISELY, DWIGHT. Early maturing varieties in codling moth [Carpocapsa pomonella] control. Jour. Econ. Ent. 36: 757-759. Oct. 1943. 421 J822
- 2694 KNIGHT, M. F. The birth of a butterfly. Country Life [London] 94: 687. Oct. 15, 1943. 80 C83  
With drawings by the author.
- 2695 LEPAGE, H. S. Uma ameaça para a fruticultura paulista. Biologico 9: 195-200. Aug. 1943. 442.8 B529  
Deals with Carposapsa pomonella and Grapholitha molesta.
- 2696 LICHY, RENÉ. Observaciones y rectificaciones sobre Lepidópteros recolectados por P. J. Anduze en los Estados orientales de Sucre y Monagas. Soc. Venezolana de Cien. Nat. 8: 205-232. Apr./June 1943. 516 C172
- 2697 LLOYD, N. C. The potato moth [Gnorimoschema operculella]. Experiments on its control. (Cont.) Agr. Gaz. N. S. Wales 54: 417-521. Sept. 1, 1943. 23 N472



2698 MCGUFFIN, W. G. New descriptions of larvae of forest insects, VII, Pero, Nepytiia, Caripeta (Lepidoptera, Geometridae). Canad. Ent. 75: 186-190. Oct. 1943. 421 C16

2699 MARKOS, B. G., and CAMPBELL, F. L. Effect of host plant on the susceptibility of the southern armyworm [*Prodenia eridania*] to calcium arsenate. Jour. Econ. Ent. 36: 662-665. Oct. 1943. 421 J822

Marked differences in per cent mortality lead the author to conclude that "it would be well... to record the host plant used for the MLD of stomach insecticides for leaf eating insects."

2700 MARSHALL, G. E. The value of codling moth [*Carpocapsa pomonella*] bait traps and the evaluation of trap records. Hoosier Hort. 25: 131-132. Nov. 1943. 81 In2H

2701 NEWMAN, L. H. Among the world's rarest butterflies and moths. Field 182: 500-501. Nov. 13, 1943. 10 F45

With photographs of rarities from the collection of the late Sir Beckwith Whitehouse.

2702 RAHMAN, K. A., and KALRA, A. N. Tent caterpillar (*Malacosoma indica* Wlk.) in the Simla hills. Indian Acad. Sci. Proc. Sect. B. 18: 41-44. Aug. 1943. 513 In25B

2703 RESOLUTION adopted by the Gulf Coast Pink Bollworm Conference, September 17, 1943. Acco Press 21(10): 13. Oct. 1943. 6 Ac2

2704 RICHARDSON, C. H. Uses of petroleum oils in codling moth [*Carpocapsa pomonella*] and leafhopper [*Empoasca maligna*] sprays. Iowa State Hort. Soc., Trans. (1942) 77: 45-46. 81 Io9

2705 RUFFINELLI, AGUSTIN. La *Diatraea saccharalis* (F.) en el Uruguay. Asoc. de Ingen. Agron. Rev. 15(2): 19-24. June 1943. 290.9 As73

2706 SCHWANWITSCH, B. N. Stereomorphism in cryptic coloration of Lepidoptera. Nature [London] 152: 508. Oct. 30, 1943. 472 N21

Illus. shows *Daphnis nerii* and "clay monochrome model... in which the colour pattern is imitated by the distribution of shadows on the sculptured surface."

2707 SCHWANWITSCH, B. N. Wing pattern in papilionid Lepidoptera. Entomologist 76: 201-203. Oct. 1943. 421 En8

2708 SCOTT, L. B., and MILAM, JOE. Isoamyl salicylate as an attractant for hornworm moths [*Protoparce* spp.]. Jour. Econ. Ent. 36: 712-715. Oct. 1943. 421 J822

2709 SEVASTOPULO, D. G. The early stages of Indian Lepidoptera. Part XI. (Cont.) Bombay Nat. Hist. Soc., Jour. 44: 78-87. Aug. 1943. 513 B63

2710 SEVASTOPULO, D. G. The emergence of the Limacodidae from their cocoons. Ent. Rec. and Jour. Variation 55: 101-102. Oct. 1943. 421 En89

2711 SMITH, R. F., and MacLEOD, G. F. Alfalfa butterfly [*Colias philodice eurytheme*] control with sulphur dusts. Jour. Econ. Ent. 36: 665-671. Oct. 1943. 421 J822

2712 SNAPP, O. I. Propylene dichloride for peachtree borer [*Sanninoidea exitiosa*] control. Jour. Econ. Ent. 36: 765-768. Oct. 1943. 421 J822

2713 TURNER, H. J. The British Noctuae (i.e. Phalaenidae, and their varieties. (Cont.) Ent. Rec. and Jour. Variation 55(10, sup.): 117-124. Oct. 1943. 421 En89

2714 VANCE, A. M. Corn borer [*Pyrausta nubilalis*] increases in Mid-West Region. Food Packer 24: 661-664. Nov. 1943. 286.83 C165

2715 WIGHTMAN, A. J. Foodplant of *Leucania impudens*. Ent. Rec. and Jour. Variation 55: 100-101. Oct. 1943. 421 En89

2716 WILCOX, J. Rate of application and strength of cryolite dust mixtures in tomato fruitworm [*Heliothis armigera*] control. Jour. Econ. Ent. 36: 700-705. Oct. 1943. 421 J822

2717 WILTSHIRE, E. P. On the trail of *Melitaea arcesia*. Ent. Rec. and Jour. Variation 55: 97-99. Oct. 1943. 421 En89

See also Sericulture and the Silkworm.

## ORTHOPTERA

2718 HARRISON, J. L. Grasshoppers on Limsfield Common. London Nat. 1942: 41-42. Sept. 1943. 420 L843

2719 MCGOVIN, E. R., FALES, J. H., and PIQUETT, P. G. The relative resistance of *Periplaneta americana* and *Blattella germanica* to pyrethrum spray. Jour. Econ. Ent. 36: 732-733. Oct. 1943. 421 J822

2720 SEMANS, F. M. Protozoan parasites of the Orthoptera, with special reference to those of Ohio. IV. Classified list of the protozoan parasites of the Orthoptera of the world. Classes Mastigophora, Sarcodina, and Sporozoa. Ohio Jour. Sci. 43: 221-234. Sept. 1943. 410 Oh3

## SERICULTURE AND THE SILKWORM

2721 \*BOUNHIOL, J.-J. L'ablation des corps allates au dernier âge larvaire n'affecte pas, ultérieurement, la reproduction chez *Bombyx mori*. [Paris, Acad. des Sci., Compt. Rend. 215: 334-336. Oct. 19, 1942.]

2722 \*DEMIANOVSKI, S. Ia. Soderzhanie arginina, gistidina, tirozina, i triptofana v organizme totovogo shelkopriada na raznykh stadiakh ego razvitiia. [The arginine, histidine, tyrosine and tryptophan contents in the organism of *Bombyx mori* at various stages of its development.] Bul. de Biol. et de Med. Expt. de l'URSS 13(5/6): 75-77. July 23, 1942. Text in Russian.

2723 \*DIKASOVA, I. T. O prirode poliédrov zheltukhi tutovogo shelkopriada. [On the nature of the icterus polyedres of *Bombyx mori*.] Bul. de Biol. et de Med. Expt. de l'URSS 13(3/4): 101. June 27, 1942. Text in Russian.

2724 INCUBACIÓN de los huevitos de gusanos de seda. Chacra 13(156): 56, 64-65. Oct. 1943. 9 C34

2725 RINGUELET, J. A. La sericulture en el país. Vinos, Viñas y Frutas 38: 102-103. Aug. 1943. 9 Ag89

2726 VILHENA, MARIO. Orientação agrônômica ao fomento da sericultura. Brazil. Min. da Agr. Bol. 31(3): 5-12. Mar. 1942. 9.2 Ag83

## SMALLER ORDERS

2727 BIRKETT, N. L. Food of earwigs. Entomologist 76: 213-214. Oct. 1943. 421 En8

Forficula auricularia observed struggling with phalaenid larva.

2728 DEXTER, R. W. Anurida maritima: an important sea-shore scavenger. [Scientific note.] Jour. Econ. Ent. 36: 797. Oct. 1943. 421 J822

2729 \*EICHLER, WOLFDIETRICH. Mallophagen-synopsis; genus Degeeriella. Zool. Anz. 142: 92-93. Apr. 30, 1943.

D. aquilareum, D. gypsicorum, n. spp.

2730 \*EICHLER, WOLFDIETRICH. Notulae mallophagologicae IX. Oedicmeniceps nov. gen. und andere interessante federlinge von bemerkenswerten wirten. Zool. Anz. 141: 57-61. Jan. 31, 1943.

New spp. in: Carduiceps; Columbicola; Laemobothrion; Struthiolipeurus.

2731 \*EICHLER, WOLFDIETRICH. Tetrophthalmus vigua nov. spec., ein federling aus der mundhöhle von Phalacrocorax olivaceus. Zool. Anz. 141: 133-136. Feb. 15, 1943.

2732 GLOYD, L. K. Enallagma vernale, a new species of Odonata from Michigan. Mich. Univ. Occas. Papers. 479, 8 p. Nov. 8, 1943. 410 M582

2733 JONES, S. Control of cardamom thrips (Tetranychus cardamomi). Planters' Chron. 38: 372-374. Sept. 11, 1943. 22 P693

Report on work done at Cardamom Research Station, Pampadampara, under the auspices of the Central Research Institute of the University of Travancore.

2734 KIMMINS, D. E. Further notes on Caenis moesta Bengtes. (Ephemeroptera). Entomologist 76: 199-200. Oct. 1943. 421 En8



- 2735 MCGREGOR, E. A. Anabesine and geseerol vs. citrus thrips [Scirtothrips citri]. Calif. Citrog. 29: 30. Dec. 1943. 80 C125
- 2736 MCGREGOR, E. A. Toxicity of anabesine to the citrus thrips [Scirtothrips citri]. [Scientific note.] Jour. Econ. Ent. 36: 805. Oct. 1943. 421 J822
- 2737 MATTHYSSE, J. G., and SCHWARDT, H. H. Substitutes for rotenone in cattle louse control. Jour. Econ. Ent. 36: 718-720. Oct. 1943. 421 J822
- Cube and sulfur, sabadilla seed, and sulfur effective against four species.
- 2738 MEYER, K. F., and others. Sylvatic plague studies IV. Inapparent, latent sylvatic plague in ground squirrels in central California. Jour. Infect. Dis. 73: 144-157. Sept./Oct. 1943. 448.8 J821
- R. Holdenried, A. L. Burroughs, and E. Jawetz, joint authors.
- Includes collection of and check on flea vectors.
- 2739 MILNE, D. J. The distribution and life histories of the daddis flies [Trichoptera] of Waske-siu Lake, Saskatchewan. Canad. Ent. 75: 191-198. Oct. 1943. 421 C16
- 2740 MUNRO, J. A. Nicotine sulfur kills lice. Farmer 61(21): 38. Nov. 6, 1943. 6 F2211
- Dust used on cattle.
- 2741 RICKER, W. E. Stoneflies [Plecoptera] of southwestern British Columbia. 145 p. Bloomington, Ind., Indiana Univ., 1943. (Ind. Univ. Pub., Sci. Ser. No. 12). 432 R42
- 2742 SPIETH, H. T. Taxonomic studies on the Ephemeroptera. III. Some interesting ephemerids from Surinam and other neotropical localities. Amer. Mus. Nat. Hist., Amer. Mus. Novitates 1244, 13 p. Nov. 19, 1943. 500 N483N
- New spp. in: Campsurus 3; Hermanella; Hagenulopsis; Thraulius; Thraulodes.
- 2743 STEWART, M. A. Cattle and hog louse control. Calif. Cattleman, Aug. 1942, p.1-2. 43.8 C12
- 2744 TREMBLEY, H. L. Derris used for the control of head lice [Pediculus humanus humanus] and pubic lice [Phthirus pubis]. [Scientific note.] Jour. Econ. Ent. 36: 795. Oct. 1943. 421 J822
- 2745 U. S. D. A. set-up for testing army louse powder [dichloro-diphenyl-trichloroethane]. Soap 19(11): 104-105. Nov. 1943. 307.8 S012
- 2746 YOUNG, W. A. Persistence will eradicate fleas. All-Pets Mag. 15(6): 36. Nov. 1943. 48.8 A15

## AGRICULTURAL ENGINEERING

## GENERAL

- 2747 CLINTON, J. B. Farmers get hurt. Results of a study of 150 injuries culled from the press by the Canadian press clipping service. Farmer's Mag. 40(11): 9, 37. Nov. 1943. 7 C165
- 2748 HALL, C.C. Every farmer a fire fighter. Your Farm 2(2): 73-76. Dec. 1943. 6 Y8
- 2749 HAWLEY, L. T. For your protection. Farm Bur. Monthly 21(11): 10. Nov. 1943. 275.293 California, Alameda Co.
- 2750 HUNT, DEWITT. Foresight prevents injuries in the home. Agr. Leaders' Digest 24(9): 49. Nov. 1943. 275.28 Am3
- 2751 KENNERLY, A.B. Don't wait for a fire! Farm and Ranch 62(12): 4, 23. Dec. 1943. 6 T31
- 2752 MONTGOMERY, G.L. What is a food engineer? Food Indus. 15(12): 79. Dec. 1943. 389.8 F737
- 2753 PONTIOUS, H. M. Farm accidents in Ohio cost \$7,118,459 annually. Ohio Farm Bur. News 23(3): 16. Oct. 1943. 6 Oh34
- 2754 ROGERS, FRAZIER. Making farms safe from fire. Fla. Grower 51(11): 13-14. Nov. 1943. 80 F6622

- 2755 TROEGER, L. E. Farm fires! "Origin unknown." Business of Farming 2(5): 15. Fall 1943. 6 B96
- 2756 TURNER, A. W. The fighting agricultural engineers. Agr. Engin. 24: 370, 374. Nov. 1943. 58.8 Ag83

## FARM MACHINERY

## General

- 2757 BARDEN, R.D. Will your sprayer be ready for next year's crop? Amer. Fruit Grower 63(11): 6, 10, 12, 14. Nov. 1943. 80 G85
- 2758 BELL, H. M., and DYKSTERHUIS, E. J. Fighting the mesquite and cedar invasion on Texas ranges. U. S. Soil Conserv. Serv. Soil Conserv. 9: 111-114. Nov. 1943. 1.6 So3S
- Use of mechanical equipment.
- 2759 BLASINGAME, R. U. Keep 'em welded. Pa. Farmer 129(9): 12. Nov. 13, 1943. 6 P383
- 2760 BRIGGS, F.A. Farm machinery outlook for 1944. Farm and Ranch 62(12): 14. Dec. 1943. 6 T31
- 2761 BROWN, NEAL. Manufacturers report, based on early demand, that equipment will be short. Products made of substitutes for steel must pinch hit. Hatchery Tribune 17(11): 13. Nov. 1943. 47.8 H28
- 2762 DEALTON, E. L. Farmers can repair their machinery. Dakota Farmer 63: 524. Nov. 27, 1943. 6 D14
- 2763 EBLING, W. H., and WILCOX, E. C. Wisconsin farm power and machinery. Wis. Dept. Agr. Bul. 241, 50 p. Madison, 1943. 2 W752Bu
- 2764 FORD, S.C. Montana's needs heavy for 1944 farm machinery and trucks. Com. West 86(23): 9. Dec. 4, 1943. 286.8 C733
- 2765 GREEN, H.B. Pool work for one county: 13,000. Farmer & Stock-Breeder 57: 1761. Nov. 9, 1943. 10 F228
- 2766 HAWS, DEXTER. Machinery repair courses serve Nebraska farmers. Agr. Ed. Mag. 16: 92. Nov. 1943. 275.8 Ag8
- 2767 HAYES, D.L. Farm machinery kept repaired. Nassau Co. Farm and Home Bur. News 29(11): 9. Nov. 1943. 275.293 N.Y., Nassau Co.
- Also in Otsego Co. Farm and Home Bur. News 27(11): 1, 4. Nov. 1943. 275.293 N.Y. Otsego Co.
- 2768 HURLBUT, L.W. Homemade labor-saving equipment. Nebr. Live Stock Breeders and Feeders Assoc. Ann. Rpt. 1942. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 447-449. 2 N27R
- 2769 IRONS, FRANK. A laboratory study of crop duster problems. Agr. Engin. 24: 383-384. Nov. 1943. 58.8 Ag83
- 2770 JOHANNSEN, W.S. Are we playing horse with horsepower? Successful Farming 41(12): 26-27, 84-85. Dec. 1943. 6 Sul2
- 2771 KEARNS, H.G.H. A small acid spray outfit for spraying onion beds. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt., 1942, p.77-82. Bath, 1943. 84 B77
- 2772 LARSEN, S.E. Summary of the postwar planning committee's reports. Farm Impl. News 64(24): 31. Nov. 25, 1943. 58.8 F22
- 2773 LEGUIZAMÓN, A. M. El malacate. Buenos Aires, Argentina. Min. de Obras Púb. Bol. de Agr., Canad., Indus. 23(8): 34-36. Aug. 1943. 9 B866
- 2774 LONGHOUSE, A.D. Put farm machinery safely to bed for the winter. Agr. Leaders' Digest 24(9): 18. Nov. 1943. 275.28 Am3
- 2775 MAY, JOHN. Nobody's business! Farmers Weekly [London] 19(20): 31. Nov. 12, 1943. 10 F2226
- Care and storage of farm equipment.
- 2776 MOSES, JOHN. N. D. needs 38,841 farm machines to reach 1944 food goals. Com. West 86(22): 9-10. Nov. 27, 1943. 286.8 C733



2777 NATIONAL RETAIL FARM EQUIPMENT ASSOCIATION. Postwar Planning Committee reports, as submitted to the... convention in Chicago, Oct. 13, 1943. Farm Impl. News 64(23): 43-46, 48, 50-51. Nov. 11, 1943. 58.8 F22

Introductory statement, by M. M. Smith; Essential customer service, by M. R. Williams; Proper manufacturer representation, by E. L. McMichael; Adequate dealer security, by Claud Rogers.

2778 PACKER, C. E. Maintenance of shop tools. Impl. & Tractor 58(23): 56, 58, 60, 62, 64, 66, 68, 70, 72, 74. Nov. 6, 1943. 58.8 W41

2779 PACKER, C. E. Winter care conserves vital equipment. Impl. & Tractor 58(25): 40-41, 58. Dec. 4, 1943. 58.8 W41

2780 ROEMER, ROBERT. Farmers urged to turn in worn-out machinery as scrap. West. Farm Life 45(21): 10. Nov. 1, 1943. 6 R153

2781 ROOD, K. South African farm implements manufacturers (pty) ltd. Farmers Weekly [Bloemfontein] 66: 132. Oct. 6, 1943. 24 F225

2782 SHAW, WILLIAM. Farm and factory interdependent. Farm Mach. and Equip., Nov. 1919, p. 5-6. Nov. 1943. 58.8 F225

2783 SHAW, R. I. Foiling the evil effects of the "blue sky warehouse." Farm Impl. News 64(23): 31-32, 34. Nov. 11, 1943. 58.8 F22

New rust preventive compounds easily applied and inexpensive to buy provide effective rust protection for machinery left in the open for an entire year, or more.

2784 SHEWELL-COOPER, W. E. Are your implements at war? Field 182: 516. Nov. 13, 1943. 10 F45

2785 \*SIEGEL, F. Die anspannung des rindviehs. Landesbauernschaft Pommern. Wchnbl. 10: 234. Apr. 10, 1943.

Describes types of yokes.

2786 SMITH, C. W. Scheduled lubrication. Impl. & Tractor 58(24): 8-9. Nov. 20, 1943. 58.8 W41

2787 SMITH, C. W. Care of valve equipment. Impl. & Tractor 58(25): 48. Dec. 4, 1943. 58.8 W41

2788 TIGRE, H. B. Como aumentar a duracao das maquinas agricolas. (To be cont.) Chacaras e Quintas 68: 229-230. Aug. 15, 1943. 9.2 C34

2789 TURNER, C. N. Preparing sprayers for winter storage. Rensselaer County Farm Bur. News 20(8) 2. Nov. 1943. 275.293 N.Y., Rensselaer Co.

2790 U.S. OFFICE OF WAR INFORMATION. The Government program for utilization of farm machinery, equipment and structures. Farm Impl. News. 64(24): 26-27. Nov. 25, 1943. 58.8 F22

War Food Administration, War Production Board, Petroleum Administration for War, Office of Education, and Office of Defense Transportation cooperating.

2791 U. S. WAR PRODUCTION BOARD. Farm machinery and equipment and attachments and repair parts therefor. Fed. Register 8: 15568-15574. Nov. 16, 1943. 169 F31

Limitation Order L-257 as amended Nov. 15, 1943; Limitation Order L-257-a as Amended Dec. 9, 1943.

2792 U.S. WAR PRODUCTION BOARD. Hand forks, hand hooks, hand rakes, hand hoes, hand eye hoes and hand cultivators. Fed. Register 8: 16591-16592. Dec. 9, 1943. 169 F31

Limitation Order L-157, Schedule V as amended Dec. 8, 1943.

2793 WILKINSON, J. F. Now is the time to do it. Hoard's Dairyman 88: 673. Nov. 25, 1943. 44.8 H65

Repair farm machinery.

2794 ZINK, F. J. Farm mechanization in war-time. Agr. Engin. 24: 371-374. Nov. 1943. 58.8 Ag83

#### Tillage Machinery

2795 CARE of the plough. New Zeal. Jour. Agr. 67: 265-266. Oct. 15, 1943. 23 N48J

2796 COLLIS, J. S. Perfection of horse and tractor ploughing. Field 182: 527. Nov. 20, 1943. 10 F45

2797 GREEN, H. B. Mechanising celery on the 'mosses.' Farmer and Stock-Breeder 57: 1680. Oct. 26, 1943. 10 F228

2798 HINE, H. J. Ploughing round as a fuel saver. Farmer & Stock-Breeder 57: 1721. Nov. 2, 1943. 10 F228

2799 JOHNSTON, J. A. The two-inch cultivator. Garden Gossip 18(11): 13. Nov. 1943. 80 G1625

2800 KELKAR, D. G. The kathiawar cultivator. Indian Farming 4: 146-148. Mar. 1943. 22 In283

2801 MERVINE, E. M. And now sugar beets are thinned by machines. Agr. Leaders' Digest 24(9): 26. Nov. 1943. 275.28 Am3

2802 REDDY, M. S. The wooden wet land pubbler. Indian Farming 4: 134. Mar. 1943. 22 In283

#### Harvesting, Threshing, Drying, and Processing Equipment

2803 BELL, L. J. Home-made "grade-all" for the farm. Farmers Weekly [London] 19(21): 28. Nov. 19, 1943. 10 F2226

2804 BIERMAN, H. H. Home milk producers [association of Miami] equipped for minimum maintenance. Dairy World [Chicago] 22(5): 8-11, 47-48. Oct. 1943. 44.8 D1423

2805 BOURGEOIS, L. C. JR. Use of mechanical harvesters on the sugar cane plantations in Louisiana. Sugar Bul. 22: 19-21. Nov. 1, 1943. 65.9 Am32

2806 CARE of the mowing machine. New Zeal. Jour. Agr. 67: 261-264. Oct. 15, 1943. 23 N48J

2807 COKE, J. E. Growers urged to study harvesters. Spreckels Sugar Beet Bul. 7: 52. Nov. 1943. 66.8 Sp7

2808 COPE, J. A. A one-man saw. St. Lawrence Co. Farm and Home Bur. News 28(9): 11. Nov. 1943. 275.293 N.Y., St. Lawrence Co.

Also in Fulton Co. Farm Bur. News 26(11): 3. Nov. 1943. 275.293 N.Y., Fulton Co.

2809 CUFFE, A. D. Value of milking machines to the dairy industry. Farmer and Settler 37(31): 6. Sept. 3, 1943. 23 F226

2810 DAMROW, E. C. Simplification order fair and well covered. Cheese Rptr. 68(10): 36, 38. Nov. 5, 1943. 44.8 Sh3

Equipment standardization and simplification.

2811 DIRECTORY of the manufacturers and suppliers to the dairy industry of Canada. Canad. Dairy and Ice Cream Jour. 22(11): 26-30. Nov. 1943. 44.8 C162

Includes manufacturers and suppliers of dairy machinery, equipment, and supplies.

2812 FAUST, H. P. Machinery prospects for '44. Dairy equipment situation in Washington shows marked improvement. Amer. Milk Rev. 5: 348-349. Nov. 1943. 44.8 Am38

2813 FRANDSEN, J. H. Prolonged life of dairy utensils. New England Homestead 116(22): 11. Nov. 13, 1943. 6 N442

2814 FURTHER steps in mechanised potato harvesting. Farm Impl. and Mach. Rev. 69: 567-568. Nov. 1, 1943. 58.8 Im72

2815 GERBER, RAY. Preventive maintenance of mowers. Greenkeepers' Rptr. 11(6): 7-8, 21. Nov./Dec. 1943. 60.18 G83

2816 HARDING, H. A., and others. El efecto del vapor sobre los germenos en los envases de leche las ventajas de los equipos mecanicos. Indus. Lechera 25: 453-457, 459, 467. July 1943. 44.8 In26

M. J. Prucha, H. M. Weeter, and W. H. Chambers, joint authors.

Spanish translation of article previously published in Jour. Dairy Sci. 5: 282-290. May 1922. 44.8 J822

2817 HAVIGHORST, C. R. New dehydration plant handles record quantities. Food Indus. 15(12): 82-85, 134. Dec. 1943. 389.8 F737



- 2818 HUMPHRIES, E. L. E. La formación de "piedra de leche" su naturaleza y consecuencias sobre el trabajo eficiente de la usina. Indus. Lechera 25: 449-452. July 1943. 44.8 In26
- 2819 JOHANNSEN, W.S. So they may milk. Impl. & Tractor 58(24): 12-13. Nov. 20, 1943. 58.8 W41 Milking machines.
- 2820 JOHNS, C.K. Care of milking machines. Jour. Milk Technol. 6: 274-277. Sept/Oct. 1943. 44.8 J824
- 2821 KEENAN, JACK. Use of chlorine on the farm for sterilizing dairy equipment. Milk Dealer 33(2): 52, 56-57. Nov. 1943. 44.8 M595
- 2822 KRANICK, FRANK. Grain binders. Impl. & Tractor 58(24): 16, 18. Nov. 20, 1943. 58.8 W41 Part 15 of "Power farm equipment."
- 2823 LAMONT, GORDON. Here's what you can expect in 1944 regarding dairy and ice cream equipment supplies. Milk Dealer 33(2): 96, 98. Nov. 1943. 44.8 M595
- Also in Ice Cream Trade Jour. 39(11): 12-13, 51-56. Nov. 1943. 389.8 Ic2; Ice Cream Rev. 27(4): 62-66. Nov. 1943. 389.8 Ic22
- 2824 LAMONT, GORDON. "Hold-the-line" of industry solidarity in the face of wartime difficulties. Ice Cream Trade Jour. 39(10): 25. Oct. 1943. 389.8 Ic2
- Also in Milk Plant Monthly 32(10): 36. Oct. 1943. 44.8 C864; Ice Cream Rev. 27(3): 38, 40. 389.8 Ic22; South. Dairy Prod. Jour. 34(4): 32. Oct. 1943. 44.8 So83
- Shortage of dairy equipment and supplies.
- 2825 LAURITZEN, J.I. Effects of different types of windrowing on deterioration of sucrose in sugarcane in Louisiana. Sugar Bul. 22: 12. Oct. 15, 1943. 65.9 Am32
- 2826 LAWLER, F.K. Automatic control of the dehydration processes. Food Indus. 15(12): 89-96. Dec. 1943. 389.8 F737
- 2827 LEES, A.B. Mechanical muck fork - 20 loads per hour. Farmer and Stock-Breeder 57: 1679. Oct. 26, 1943. 10 F228
- 2828 LONG, H.C. Threshing the 1943 harvest. Country Life [London] 94: 514. Sept. 17, 1943. 80 C83
- 2829 MARSHALL, W.R., JR. The drying of foods. Heating, Piping and Air Conditioning 15: 637-641. Dec. 1943. 291.8 H352
- Tunnel type food dryers.
- 2830 MOIR, G. M. Milking-machine rubberware. New Zeal. Jour. Agr. 67: 153, 155-156. Sept. 15, 1943. 23 N48J
- 2831 NETTO, F. A. Beneficiamento do leite: Acondicionamento. Rev. dos Criadores 14(12): 49-52. Aug. 1943. 43.8 R32
- Milk plant bottling equipment.
- 2832 NETTO, F.A. Beneficiamento do leite: Armazenamento. Rev. dos Criadores 14(11): 45-47. July 1943. 43.8 R32
- Milk plant equipment.
- 2833 NETTO, F. A. Beneficiamento do leite: Lavagem e esterilização de frascos. Rev. dos Criadores 14(13): 50-52. Sept. 1943. 43.8 R32
- 2834 A NEW departure in grain drying and details of an ingenious moisture meter. Farm Impl. and Mach. Rev. 69: 559-561. Nov. 1, 1943. 58.8 Im72
- 2835 PARSONSON, W. J. Priorities important to fair distribution of critical materials. Cheese Rptr. 68(10): 12. Nov. 5, 1943. 44.8 Sh3
- Distribution of equipment.
- 2836 PERRY, R. L. Protection and operation of dairy equipment. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers, 1943, 3 p., processed. 44.9 C126
- 2837 A POTATO conveyor saves labor. Built from parts of old machinery, Ford wheels, No. 55 or No. 62 chain and a 1 hp motor. It can be used in many ways. Guide Post 20(11): 8-9. Nov. 1943. 75.8 G94
- 2838 PRICE, C.W., JR. Cane belt machine age. Prog. Farmer, Miss.-Ark.-La. Ed. 58(12): 14. Dec. 1943. 6 So81
- 2839 RICHARDSON, G. A. The cleaning of dairy equipment. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 2 p., processed. 44.9 C126
- 2840 SHANNON, W.D. Priorities for dairy equipment. Wash. State Col. Inst. Dairying. Proc. (1942) 14: 16-26, processed. 44.9 W27
- 2841 SMITH, C.W. Handling wild hay on the high plains. Farm Impl. News 64(24): 34. Nov. 25, 1943. 58.8 F22
- 2842 SPOONER, F.B., JR. What you must do to get food plant equipment. Food Indus. 15(12): 69-75, 130. Dec. 1943. 389.8 F737
- 2843 \*STEPHAN. In welche bauernwirtschaft passt die melkmaschine? Milchwirt 8: 10-11. Mar. 1942.
- (Insert in Milchw. Ztg., v. 50, 1942)
- 2844 THOMSEN, F. L., and GABEL, RICHARD. Conversion of ice cream manufacturing facilities to freezing. Quick Frozen Foods 6(4): 20-21. Nov. 1943. 389.8 Q4
- 2845 ULRICH, R. S. Washing milking machines and cream separators. South. Dairy Prod. Jour. 34(5): 46-48. Nov. 1943. 44.8 So83
- 2846 U.S. WAR PRODUCTION BOARD. Food processing machinery. Fed. Register 8: 15820-15825. Nov. 23, 1943. 169 F31
- General Limitation Order L-292 as amended Nov. 22, 1943; Interpretation 1 in Fed. Register 8: 16389. Dec. 7, 1943.
- 2847 YATES, J.W. Practical aspects of dairy sanitation. Wash. State Col. Inst. Dairying. Proc. (1942) 14: 35-38, processed. 44.9 W27
- Sterilization of utensils.
- Trucks, Tractors, and Other Farm Power (Including Fuels)
- 2848 ANGELL, G.N. Big bulldozer keeps little germs away from pullets. Wash. Farmer 78: 487. Oct. 21, 1943. 6 R151
- Use of tractor in clearing land for poultry farm, and in moving poultry houses to provide more and better range for pullets.
- 2849 BEN-GURION, DAVID. Target for tomorrow: Zionist postwar reconstruction. Home for millions. Palestine and Middle East 15: 143, 146. Aug. 1943. 286.8 P172
- Brings out the importance of abundant and cheap power for development of agriculture and industry.
- 2850 BLAUSER, I.P. Proper electric motor lubrication means longer service. Ohio Farm Bur. News 23(4): 11. Nov. 1943. 6 Oh34
- 2851 DIAS DA COSTA, ODIR. O emprego do alcool nos motores de explosão, construídos para gasolina. Brasil Açucareiro 21(5): 56-61. May 1943. 65.8 B73
- 2852 GERRISH, L. M., and SARTER, M. G. Uso del bagazo como combustible de locomotoras. Asoc. de Téc. de Cuba. Bol. Ofic. 2: 118-123. Sept. 1943. 65.9 As5B
- Described experiments carried out in the Central Ramona in the Dominican Republic.
- 2853 MERSON, J.F. On servicing a tractor. Pacific Rural Press [North. Ed.] 146: 278. Nov. 27, 1943. 6 P112
- 2854 MILLIER, W.F. Is your tractor doing its best? St. Lawrence Co. Farm and Home Bur. News 28(9): 4. Nov. 1943. 275.293 N.Y. St. Lawrence Co.
- 2855 OWEN, W. L. Motor fuel from molasses. VII. Sugar 38(12): 22-24. Dec. 1943. 65.8 F11
- 2856 SAN ROMAN, E.C. de. Substituindo a gasolina por outros combustíveis. Brasil Açucareiro 21(5): 62-66. May 1943. 65.8 B73



- 2857 SHEPARDSON, E.S. Keep motors clean. St. Lawrence Co. Farm and Home Bur. News 28(9): 4. Nov. 1943. 275.293 N.Y. St. Lawrence Co.
- 2858 TAMEIRAO, H.P. Gás de esgoto - sua utilização. Rev. Brasil. de Quím. 16(91): 39-40. July 1943. 385 R322
- 2859 TAYLOR, L.H. Storage of recappable and repairable tires. Impl. & Tractor 58(25): 57. Dec. 4, 1943. 58.8 W41
- 2860 TRACTOR maintenance. Impl. & Tractor 58(23): 40, 42, 44, 48, 50. Nov. 6, 1943. 58.8 W41

#### FARM STRUCTURES

##### General

- 2861 BROCKET, LORD. £250 million repair bill. Farmers' Weekly [London] 19(19): 31. Nov. 5, 1943. 10 F2226
- Means of raising money for the repair of farm buildings.
- 2862 GERBER, R.M. Lumber dealers helping farmers make fences give longer service in wartime. Miss. Val. Lumberman 74(47): 7-9. Nov. 19, 1943. 99.81 M69
- 2863 SPEIRS ALEXANDER, A. K. Guarding against weather and stock. Farmer and Stock-Breeder 57: 1765. Nov. 9, 1943. 10 F228
- 2864 VEIGA, VENICIO da. Casas para a Amazonia. Observador Econ. e Financ. 8(90): 104-107. July 1943. 280.8 Ob72

##### Farmhouses

- 2865 BOWER, E. W. Best all-purpose farm house. Poultry Farmer [London] 109(2836): 5. Oct. 29, 1943. 47.8 F312
- 2866 HAIG, J.S. Rural home construction. Early preparation for post-war work urged. Suitable plan for farm residence. Primary Prod. 20(41): 6. Oct. 15, 1943. 23 P93
- 2867 LAND AGENTS' SOCIETY. Rural housing. Land Agents Soc. Jour. 42: 260-263. Nov. 1943. 282.9 L22
- 2868 STUTT, R. A. Some observations on farm houses in representative areas of Saskatchewan. Econ. Annal. 13: 69-73. Nov. 1943. 280.8 Ec75

##### Service Buildings

- 2869 ALLEY, J.B. Dutch oven brooder. Mont. Farmer 31(5): 18. Nov. 1, 1943. 6 M764
- 2870 ANDREWS, F.E. A handy device for catching hens. Fulton Co. Farm Bur. News 26(11): 4. Nov. 1943. 275.293 N.Y. Fulton Co.
- 2871 COZZENS, F.R. Range shelters are fattening pens. Amer. Poultry Jour. 74(12): 16. Dec. 1943. 47.8 Am32
- 2872 DOMINY, J.N. A dairy farm without cowsheds. A method of turning over to milk production in buildings not originally designed for that purpose. Farmers Weekly [London] 19(22): 31. Nov. 26, 1943. 10 F2226
- 2873 DOMINY, J. N. Planning cattle yards to meet to-day's needs. Farmer and Stock-Breeder 57: 1599. Oct. 12, 1943. 10 F228
- 2874 HAZEN, L.R. Electric brooders. Mont. Farmer 31(6): 5. Nov. 15, 1943. 6 M764
- 2875 HOFF, P.R. Get poultry equipment ready for winter. Otsego Co. Farm and Home Bur. News. 27(11): 7. Nov. 1943. 275.293 N.Y. Otsego Co.
- 2876 KLEIN, G.T. The big five in management. They result in efficient operation of a one-man poultry farm. Amer. Poultry Jour. 74(12): 3, 36-37. Dec. 1943. 47.8 Am32
- 2877 KLEIN, G. T. Plans for a home killing room. Poultry Tribune 49(10): 12. Nov. 1943. 47.8 P8642
- 2878 KLEIN, G.T. Short cuts for home dressing plants. Turkey World 18(11): 16-17, 23. Nov. 1943. 47.38 T84
- 2879 LANGE, H.K. Lumber dealer and poultry raiser construct new type laying house. Miss. Val. Lumberman 74(49): 10. Dec. 3, 1943. 99.81 M69

- 2880 LODGE, CYRIL. Duck houses must be dry. Poultry Farmer [London] 109(2835): 9. Oct. 22, 1943. 47.8 F312
- 2881 LODGE, CYRIL. Reorganise outside runs. Poultry Farmer [London] 109(2836): 9. Oct. 29, 1943. 47.8 F312
- 2882 MORAES, C.M. A construção de um aviário. Rev. Agron. [Mexico] 7: 311-313. June 1943. 9.2 R325
- 2883 MUSSER, DON. Steps to success with built-up litter in poultry laying-house. Checkerboard News 5(4): 6-7. Aug./Sept. 1943. 389.78 C41
- Deals also with ventilation.
- 2884 NOBLITT, MRS. JOHN. Home made brooder. Mont. Farmer 31(6): 5. Nov. 15, 1943. 6 M764
- 2885 PRATS SALAS, FRANCISCO. Apriscos para ovejas. Surco 11(18): 25-26. Aug. 1943. 15 Su7
- 2886 REID, DAVID. New life for country grain mills. Farmer and Stock-Breeder 57: 1593. Oct. 12, 1943. 10 F228
- 2887 ROOME, C. A. Adaptability in poultry appliances. Farmer and Stock-Breeder 57: 1605. Oct. 12, 1943. 10 F228
- 2888 SANCTUARY, W. C. Comfort for the layers. Watch the ventilation to maintain desirable conditions. Amer. Poultry Jour. 74(11): 4, 12-14. Nov. 1943. 47.8 Am32
- 2889 SEEGER, KARL. Hints on how to conserve broiler equipment. Peninsula Broiler Jour. 3(11): 1, 4. Oct. 4, 1943. 47.8 P37
- 2890 SERFONTEIN, P.J. Movable poultry houses. Trop. Agr. [Ceylon] 99: 37-38. Jan./Mar. 1943. 26 T751
- 2891 SIDNEY, E. M. My rabbit-hen-bantam shed. Poultry Farmer [London] 109(1833): 6. Oct. 8, 1943. 47.8 F312
- 2892 SNOW, C. F. Rabbit breeding in outside hutches. Mod. Poultry Keeping 49: 299. Oct. 27, 1943. 47.8 Eg3
- 2893 TURNILL, LEONARD. Best house and lay-out. Poultry Farmer [London] 109(2835): 3. Oct. 22, 1943. 47.8 F312
- 2894 TURNILL, LEONARD. Brooder house I choose. Poultry Farmer [London] 109(2836): 3. Oct. 29, 1943. 47.8 F312
- 2895 WIRE, W. E. The problem of barn ventilation. Amer. Dairy Goat News 5(5): 2. Nov. 1943. 40.18 Am34
- 2896 WORTHINGTON, JIM. Make buildings sectional. Poultry Farmer [London] 109(2836): 8. Oct. 29, 1943. 47.8 F312
- 2897 WRIGHT, S.A. The "one daily visit" run. Poultry Farmer [London] 109(2835): 8. Oct. 22, 1943. 47.8 F312

##### Storage Structures

- 2898 ARTHUR, W.H. The Decca process as applied to the locker plant. Quick Frozen Foods 6(4): 52, 60. Nov. 1943. 389.8 Q4
- 2899 BULL, SLEETER. A frozen food locker in your home. Natl. Live Stock Prod. 22(3): 2. Dec. 1943. 280.38 N21
- 2900 BULL, SLEETER. Some problems facing the locker industry. (Concl.) Quick Frozen Foods 6(4): 54, 58, 65. Nov. 1943. 389.8 Q4
- 2901 CARVER, WAYNE. Frozen food locker plants in Iowa. Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt. (1942) 56: 51-54. (Iowa. Dept. Agr. Bul. 94-C) 44.9 Io9
- 2902 DILLON, C.E. A compact locker plant. Locker Operator 5(4): 17-18. Nov. 1943. 295.8 L79
- 2903 ESTRADA, A. J. Silo granero desmontable. Hereford 10: 238-242. July/Aug. 1943. 43.8 H42
- 2904 HANLEY, F. Sugar beet in a clamp. Farmers Weekly [London] 19(21): 29. Nov. 19, 1943. 10 F2226
- 2905 HENDERSON, S. M. Resistance of shelled corn and bin walls to air flow. Agr. Engin. 24: 367, 369, 374. Nov. 1943. 58.8 Ag83



- 2906 HUNT, E.M. Lumber dealers can assist in building home vegetable storage. *Canad. Lumberman* 63(23): 29-30. Dec. 1, 1943. 99.81 C16
- 2907 HUNT, E.M. Store the victory garden crop. *Minn. Hort.* 71: 123-124. Oct. 1943. 81 M66
- 2908 LAGLOIRE, PELLERIN. L'horticulture de demain. La réfrigération mécanique et le service d'armoires individuelles laissent entrevoir la réalisation des rêves les plus fantastiques. *Bul. des Agr.* 39(11): 15-16. Nov. 1943. 7 B872
- Individual cold storage lockers.
- 2909 MILLER, R.C. Forced ventilation in drying grain. *Grain and Feed Jours. Consolidated* 91: 418. Nov. 24, 1943. 298.8 G762
- 2910 SCHLAGETER, G.O. The locker industry looks ahead. *Ice and Refrig.* 105: 301-303. Dec. 1943. 295.8 Ic2
- 2911 SHIER, G. R., MILLER, R. C., and JUNNILA, W. A. Forced ventilation of high moisture grains. *Agr. Engin.* 24: 381-382. Nov. 1943. 58.8 Ag83
- 2912 STEWART, DON. What locker plant inspectors find. *West. Frozen Foods* 4(11): 8, 12. Sept. 1943. 389.8 W523
- 2913 WILSON, F.R. The economic value of the locker industry to the consumer. *Locker Operator* 5(4): 14-15, 34, 38. Nov. 1943. 295.8 L79

#### Farm Utilities

- 2914 GAMERO ROBLES, A. M. La iluminación artificial en avicultura. *Mundo Avicola* 6(65): 23-25. July 1943. 47.8 M92
- 2915 GARWOOD, G.T. Modern rural pole lines. Some aspects of new-type construction. *Elect. Times* 104: 600-603. Nov. 18, 1943. 335.8 E126
- 2916 GRAIN drying: a promising new application for electricity. *Elect. Rev.* 133: 597-599. Nov. 5, 1943. 335.8 E122
- 2917 KEGG, VAUGHN. Water systems are cheap farm workers. *Ohio Farm Bur. News* 23(4): 19. Nov. 1943. 6 Oh34
- 2918 MUSSER, DON. Laying-house lighting... and other tips on good poultry management. *Checkerboard News* 5(5): 14-15. Oct./Nov. 1943. 389.78 C41
- 2919 MYERS, F. E. & BRO. CO. What to check on water systems. *Impl. & Tractor* 58(23): 78-79. Nov. 6, 1943. 58.8 W41
- 2920 SCHAENZER, J. P. Farm needs in electric equipment. *Agr. Engin.* 24: 375-376, 379. Nov. 1943. 58.8 Ag83
- 2921 SEMPLE, DUGALD. Cottage hygiene. *Veg. Messenger and Health Rev.* 40: 221-222. Nov. 1943. 389.8 V522
- 2922 SMITH, L.J. Safeguarding the water supply on the farm. *Agr. Leaders' Digest* 24(9): 12. Nov. 1943. 275.28 Am3
- 2923 UHL, W.F. Sewage disposal for the farm home. *Ind. Farmers' Guide* 99(22): 5. Nov. 15, 1943. 6 In2

#### Materials and Methods

- 2924 HOFFMANN, EDMUND. Mice and rats cause tremendous feed losses. *Peninsula Broiler Jour.* 3(14): 1. Nov. 15, 1943. 47.8 P37
- Rat proof construction.
- 2925 INSULATION saves feed, fuel, expense. *Mo. Ruralist* 84(22): 1, 18. Nov. 27, 1943. 6 R8891
- 2926 MENNELL, R. O. Building in chalk. A tested experiment in old tradition. *Country Life* [London, 94: 458-460. Sept. 17, 1943. 80 C83
- 2927 WEAVER, L. E. Insulate the poultry house ceiling. *St. Lawrence Co. Farm and Home Bur. News* 28(9): 9. Nov. 1943. 275.293 N. Y., St. Lawrence Co.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

- 2928 O ABASTECIMIENTO do D. Federal. Observador Econ. e Financ. 8(90): 49-62. July 1943. 280.8 Ob72
- Discusses the food supply of the Federal District of Brazil, its production, consumption, and marketing.
- 2929 AZIZUL HUQUE, SIR M. Food position: Sir M. Azizul Huque's review in Central Assembly; Government's policy explained. *Indian Inform.* 13: 111-118. Sept. 1, 1943. 280.8 In25
- 2930 BLACK, J. D. World needs for U. S. food and fiber. *Natl. Planning Assoc. Planning Pam.* 25 and 26, 71 p. Washington, D. C., 1943. 280.9 W2153
- Outlines needs to be met, quantities needed, and measures to be taken in meeting the needs.
- 2931 CLIFFE, A.E. A look at ingredients of the future. *Food in Canada* 3(11): 17-20, 22. Nov. 1943. 389.8 F7323
- 2932 COOPER, PRENTICE. Tennessee's home food supply program. *State Govt.* 16: 219-220. Nov. 1943. 290.8 St2
- 2933 DAVIS, J. S. Wartime food management; an analysis with recommendations. *Econ. Sentinel*, v. 1, No. 1, 46 p. Aug. 11, 1943. 280.8 Ec794
- Chapters deal with inflation and farm prosperity, production and allocations, civilian supplies and nutrition, food rationing, price control and subsidies, physical distribution, and the Government's part.
- 2934 DUNN, C. W. The food industry faces the postwar period. *Canner* 97(25): 22, 24, 28. Nov. 20, 1943. 286.83 C16
- 2935 EASSON, R. B., and NYE, CLARIBEL. Food for victory. *California* 33(6): 22-23, 35. June 1943. Ref. 280.8 C12
- Home production and preservation.
- 2936 FLAHERTY, WALTER. The contribution of the Americas to the food supply of the world. *Sci. Studies, St. Bonaventure Col.* 12: 18-21. Nov. 1943. 470 Sci29
- 2937 FRY, H. S. War and our food supply; how war has dislocated normal food production and distribution and made rationing and controls inevitable. *Country Guide* 62(11): 10, 27-28. Nov. 1943. 7 G76
- The situation in Canada.
- 2938 GANNETT, FRANK. What this country needs is more food and fewer restrictions. *Rice News* 10(12): 10-13. Oct. 1943. 59.8 R362
- 2939 \*HOETINK, E. W. De ontwikkeling van de verticale bedrijfsorganisatie op het gebied der voedselvoorziening. *Econ. Statist. Ber.* 28: 212-215. June 1943.
- 2940 IRVINE, E. R. A nation "fighting fit." *Canad. Food Packer* 14(11): 12. Nov. 1943. 286.83 C166
- Brief comments on food administration, rationing, and communal feeding in Great Britain.
- 2941 JOHNSON, VANCE. The food outlook. *Amer. Mercury* 57: 706-713. Dec. 1943. 110 Ame
- 2942 KOLESNIKOFF, V. S. The United States project on standard commodity classification. *Estadística [Mexico]*, 1(3): 45-64. Sept. 1943. 251.8 Es8
- The list of groups includes agricultural products.
- 2943 McCULLOUGH, W. B. Agricultural notes from Argentina. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 430-431. Nov. 27, 1943. 286.8 C16
- Includes potatoes regulation, estimation of the cotton crop, wool sales, and beef prices fixed.



2944 \*MIELCK, OTFRIED. Der selbstversorgungsgrad der länder Europas. Deut. Agrarpolitik 1: 91, 92-94. Dec. 1942.

2945 MYERS, W. I. The current food situation. (Concl.) Hoard's Dairyman 88: 625, 642-643. Nov. 10, 1943. 44.8 H65

2946 OLIVER, R. T. Food conservation - war job for junior colleges. Junior Col. Jour. 14: 109-111. Nov. 1943. 275.8 J95

2947 PITKIN, W. B. Feeding our increasing numbers. N. Y. Farmers. Proc. 1942-1943: 262-283. 4 N48P

Problems and possible solutions in feeding the world's population.

2948 ROED, E.M. The food situation in Norway. Amer. Dietet. Assoc. Jour. 19: 817-819. Dec. 1943. 389.8 Am34

2949 SEEGERLKEN, O. E. The canned food situation. Super Market Merchandising 8(10): 73-75. Oct. 1943. 389.8 Su7

2950 SINCLAIR, J. M. What about wage and price ceilings - and food policy? Food in Canada 3(10): 17-19. Oct. 1943. 389.8 F7323

2951 SRIVASTAVA, SIR J. P. The food front. Sir J. P. Srivastava appeals for public co-operation to solve food problem. Indian Inform. 13: 103-104. Sept. 1, 1943. 280.8 In25

2952 U. S. PRESIDENT (F. D. ROOSEVELT). The food problem; measures needed to meet our needs. Vital Speeches of the Day 10: 66-75. Nov. 15, 1943. 280.8 V83

2953 U.S. WAR PRODUCTION BOARD. Provisions applicable to textile, clothing, leather and related products. Fed. Register 8: 16404-16406. Dec. 7, 1943. 169 F31

Conservation Order M-328, as amended Dec. 6, 1943.

2954 WELLS, O. V. America's food program. Jour. Home Econ. 35: 550-552. Nov. 1943. 321.8 J82

2955 WHITE, B. S., JR., and DENHARDT, E. T. Chronic surpluses of agricultural commodities in the post-war period. Jour. Farm Econ. 25: 743-758. Nov. 1943. 280.8 J822

2956 WHITE, R. P. Summary of statement made... before the State and regional meetings, January and February, 1943. Iowa Nurseryman's Assoc., Ann. Meeting. Minutes 22. In Iowa State Hort. Soc. Trans. 77: 180-186. 1942. 81 Io9

The relation to the nursery industry of price ceilings, wage and salary stabilization, mileage and gasoline rationing, the manpower situation, and transportation. Farm crop production by the industry is brought out.

2957 WOOD, E. Major-General Wood explains the food problem in India. Statement in Council of State. Indian Inform. 13: 105-109. Sept. 1, 1943. 280.8 In25

Food supply, distribution, and rationing.

#### CONSUMPTION

2958 CHRISTOPHERSEN, RICARDO. El consumo interno de productos agrarios en el Uruguay. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 7(33): 1-2. July 1943. 286.9 Ur82

Tables and graphs showing consumption of various products and relation of consumption to production, p. 3-10.

2959 HENDRICKSON, R. F. We've never eaten more. Cattleman 30(6): 62. Nov. 1943. 49 C29

2960 KLING, WILLIAM. Food waste in distribution and use. Jour. Farm Econ. 25: 848-859. Nov. 1943. 280.8 J822

2961 NESBITT, ESTELLE. The school reduces food waste. Ind. State Bd. Health. Monthly Bul. 46: 228. Oct. 1943. 449.7 In2M

2962 TANNOUS, A. I. Food production and consumption in the Middle East. U. S. Off. Foreign Agr. Relat. Foreign Agr. 7: 243-255. Nov. 1943. 1.9 Ec7For

Covers Egypt, Palestine, Trans-Jordan, Syria, Lebanon, and Iraq.

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

2963 BERZAGHI, M. N. Zonas produtoras e transporte. Ouro Branco 8(12): 11-12. Apr. 1943. 72.8 Ou7

2964 BEVERIDGE, J. R. Sea transport of refrigerated produce in wartime. Brit. Assoc. Refrig. Proc. (1941-42) 38: 91-113. 1943. 295.9 C67

2965 \*BORKENHAGEN, ERICH. Räder können rollen für den sieg. Deut. Agrarpolitik 1: 98. Dec. 1942. The food transportation problem in Germany and the effects of the market regulation policy on it.

2966 DANIEL, HOWARD, and BELLE, MINNIE. Australia and Lend-Lease. Far East. Survey 12: 233-236. Dec. 8, 1943. 280.9 In782

Includes food supplied under reciprocal Lend-Lease.

2967 GRANT, W. B. The food broker of today. Canad. Food Packer 14(11): 33. Nov. 1943. 286.83 C166

2968 GREGORY, H. C. Why U. S. farmers are deprived of the U. S. markets. Farmers Guild News 2(8): 4. Nov. 1943. 281.8 F228

2969 \*HAUSSMANN, KURT. Die verkehrspolitik als faktor der agrarpolitik. Deut. Agrarpolitik 1: 223-226. Apr./May 1943.

2970 HENDRICKSON, R. F. Food merchandising in the war effort. Super Market Merchandising 8(10): 94-96. Oct. 1943. 389.8 Su7

2971 JOHNSON, J. S. Selling the facts of the food situation at the point of sale. Super Market Merchandising 8(10): 96-98. Oct. 1943. 389.8 Su7

2972 MISRA, J. P. Co-operative distribution of food supplies. United Provs. Co-op. Jour. 19(1): 9-11. July 1943. 280.28 Un3

2973 MISRA, T. S. Co-operative marketing on a pooling basis. United Provs. Co-op. Jour. 19(1): 18-22. July 1943. 280.28 Un3

2974 NICHOLSON, V. H. Perishables offered for sale at the Syracuse produce market. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 441, 26 p., processed. Ithaca, 1943. 281.9 C81

2975 OBSERVADOR Econômico e Financeiro, v. 8, No. 91, 248 p. Aug. 1943. 280.8 Ob72

Contains signed and unsigned articles on various types of transportation, such as Transportes Frigoríficos, by O. M. de Carvalho e Silva, and a transportation bibliography by Eduardo Gonçalves, p. 182-191.

2976 SAVILLE, GRAHAM. Rail conveyance of food: assessment of goods charges and rebates which may be claimed. Food 12: 287-288. Nov. 1943. 389.8 F738

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

2977 ARE U. S. canned food grades commercially suitable? Food Packer 24: 719, 746. Dec. 1943. 286.83 C165

2978 CARPENTER, A. E. Government grade labeling. Mod. Miller 70(46): 10. Nov. 13, 1943. 298.8 M72

2979 LOVERIDGE, K. F. How Ottawa backs the business man. Canad. Business 16(12): 84, 86. Dec. 1943. 287 C162

Shows how the Department of Agriculture, by guarding the quality of farm products and through publicity and testing services, helps the Canadian businessman.

2980 SHANOWER, W. A., and KING, B. H. Safe-guarding food and drugs through laboratory control. Ind. State Bd. Health. Monthly Bul. 46: 230-231. Oct. 1943. 449.7 In2M



## INDUSTRIAL UTILIZATION —

2981 CHRISTENSEN, L. M. The new chemurgy program. Nebr. Assoc. Fair Managers. Ann. Meeting, 33rd, 1942, In Nebr. State Bd. Agr. Rpt. 1942: 116-125. 2 N47R

The operation of the Nebraska Chemurgy Program.

2982 GANGLOFF, W. C. Fillers in the plastics industry. Chem. Indus. 53: 512-514. Oct. 1943. 381 C426

Includes discussion of plant and animal fibers as fillers.

## PACKING AND PACKAGING

2983 BARNBY, H. A. Automatic glass packaging. Canner 97(25): 18, 44. Nov. 20, 1943. 286.83 C16

2984 CAMPINS, F. C. Water-resistant glues in the new geography of packaging. Canner 97(25): 34-35. Nov. 20, 1943. 286.83 C16

2985 CRISSEY, A. E. Have canners done their share in tin salvage? Food Packer 24: 656-657. Nov. 1943. 286.83 C165

2986 HARPER, L. K. Recent developments in the packaging of dehydrated foods. Food in Canada 3(11): 33. Nov. 1943. 389.8 F7323

2987 PALEN, R. A. Wider use of glass food containers is visualized. Food Packer 24: 722-723. Dec. 1943. 286.83 C165

2988 POTTS, R. C. The critical container problem for raw food products can be solved by fibre-board containers. Fibre Containers 28(11): 26, 30. 32. Nov. 1943. 286.8 F44

2989 U. S. OFFICE OF PRICE ADMINISTRATION. Eastern and central wooden agricultural containers. Fed. Register 8: 15462. Nov. 11, 1943. 169 F31

Maximum Price Regulation 320, Amend. 7.

2990 U. S. WAR PRODUCTION BOARD. Fiber shipping containers; manufacture and use. Fed. Register 8: 15903-15906. Nov. 24, 1943. 169 F31

Limitation Order L-317 as amended Nov. 23, 1943.

2991 U. S. WAR PRODUCTION BOARD. Wooden shipping containers. Fed. Register 8: 15445-15448. Nov. 11, 1943. 169 F31

Limitation Order L-232, as amended Nov. 10, 1943.

2992 WHITE, D. W. Future package design will be no guesswork. Mod. Packaging 17(3): 62-64. Nov. 1943. 309.8 M72

## PRICES, PRICE CONTROL, AND RATIONING

2993 ADAMS, A. B. The homemaker enlists. N. C. Univ. Libr. Ext. Pub. 9(3): 1-33. Chapel Hill, 1943. 321 A41

Contains sections on nutrition, inflation, and food price control and rationing.

2994 \*L'ALLINEAMENTO dei prezzi dei prodotti agrari. Econ. Europea 2(4, 1. e. 3): 128. Apr. 1943.

Observations on the 1942/43 prices set for agricultural products in Italy.

2995 BOWER, R. P. Control of foodstuffs in Newfoundland. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 449-450. Dec. 4, 1943. 286.8 C16

Includes rationing and price-control measures.

2996 BOWER, R. P. Price control in Newfoundland. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 449. Dec. 4, 1943. 286.8 C16

Briefly notes recent regulations for eggs and sugar.

2997 BOWLES, CHESTER. Message to the super market industry. Super Market Merchandising 8(10): 32. Oct. 1943. 389.8 Su7

Price control and rationing in relation to super-marketing of groceries.

2998 BOWLES, CHESTER. You can make or break the black market. Woman's Home Companion 70(12): 4, 118. Dec. 1943. 321.8 W84

Appeal to American housewives to help make the rationing program work.

2999 BRITISH INFORMATION SERVICES. Rationing of food in Great Britain. 15 p., rev. N. Y., 1943. (I. D. 333) 280.9 B772

Includes a Supplementary Note on Soap Rationing.

3000 LOS CAMPESINOS deben conocer con oportunidad los precios a que han de vender sus cosechas para el mejor desarrollo agrícola de México. Planificación Econ. [Mexico], No. 9, p. 3-7. Nov. 6, 1943. 280.8 P695

The advantage of fixing prices for growers of basic farm crops in advance of sale.

3001 FORMULA pricing vs. regional pricing of canned foods. Food Packer 24: 648-649, 668-671. Nov. 1943. 286.83 C165

Discussion by a committee of canners.

3002 GOLDMAN, J. Consumption and rationing in the United States. Oxford Inst. Statis. Bul. 5: 221-225. Oct. 9, 1943. 280.9 OX2B

Touches upon the systems used in rationing of foods.

3003 GOMEZ ROBLES, JULIO. Los resultados del primer año de control de precios al por menor, en los Estados Unidos de America. Economista [Mexico] 10 (113): 17-21. Nov. 1, 1943. 280.8 Ec793

Trends in food prices are discussed.

3004 \*GROTE-MISMAHL. Das problem der verteilung bei konsumgütern. Deut. Volkswirtschaft 12: 540-541. June (2. Junihft.) 1943.

Brings out forms of rationing consumers' goods.

3005 HAYDEN, C. A. Farmers not kidded nor coaxed into accepting glib dictum that parity prices defy definition and application. Country Life [British Columbia] 27(6, 1. e. 9): 3, 31. Nov. 1943. 7 C832

3006 KIRBY, W. H. Mr. Kirby's report on rationing. Indian Inform. 13: 114. Sept. 1, 1943. 280.8 In25

3007 LEVINSON, MORRY. "OPA today and tomorrow" Super Market Merchandising 8(10): 34, 90-93. Oct. 1943. 389.8 Su7

3008 \*RASSEGNA dell'attività corporativa; Comitato Interministeriale di Coordinamento per gli Approvvigionamenti, la Distribuzione e i Prezzi dei Prodotti Industriali, Agricoli e dei Servizi. Riv. di Polit. Econ. 33(4): 194-197. Apr. 1943.

Includes an outline of the food (distribution and rationing) plan for the coming months in Italy, and price control measures.

3009 RATCHFORD, B. U. Some preliminary observations on price control. South. Econ. Jour. 10: 99-113. Oct. 1943. 280.8 So84

3010 RICCARDI, ANTONIO. La ORPA y los precios agrícolas. Labor [Habana] 2(48): 3. Oct. 30, 1943. 8 L11

On the possibilities of controlling agricultural prices in Cuba.

3011 SINGH, KARTAR. A review of agricultural prices. Indian Farming 4: 171-178. Apr. 1943. 22 In283

Prices of agricultural products in India during the war years.

3012 U. S. OFFICE OF PRICE ADMINISTRATION. Ceiling prices of certain foods sold at retail in group 1 and group 2 stores. Fed. Register 8: 15587, 15608-15609. Nov. 16, 1943. 169 F31

Maximum Price Regulation 423, Amends. 9 and 10.

3013 U. S. OFFICE OF PRICE ADMINISTRATION. Ceiling prices of certain foods sold at retail in group 3 and group 4 stores. Fed. Register 8: 15586, 15607-15608. Nov. 16, 1943. 169 F31

Maximum Price Regulation 423, Amends. 8 and 9.



- 3014 U. S. OFFICE OF PRICE ADMINISTRATION. Ceiling prices of certain foods sold at wholesale. Fed. Register 8: 15607. Nov. 16, 1943. 169 F31  
Maximum Price Regulation 421, Amend. 5.
- 3015 U. S. OFFICE OF PRICE ADMINISTRATION. Certain packed food products. Fed. Register 8: 16619-16625. Dec. 9, 1943. 169 F31  
Maximum Price Regulation 306, Amend. 19.
- 3016 U. S. OFFICE OF PRICE ADMINISTRATION. Food rationing for institutional users. Fed. Register 8: 15488-15489. Nov. 12, 1943. 169 F31  
General Ration Order 5, Amend. 40.
- 3017 U. S. OFFICE OF PRICE ADMINISTRATION. Maximum prices for specific food products. Fed. Register 8: 16296. Dec. 3, 1943. 169 F31  
Maximum Price Regulation 280, Amend. 36.
- 3018 U. S. OFFICE OF PRICE ADMINISTRATION. Meat, fats, fish and cheeses. Fed. Register 8: 15454 Nov. 11, 1943. 169 F31  
Ration Order 16, Amend. 79; Amend. 80 in Fed. Register 8: 15524. Nov. 13, 1943; Amend. 24 to Supplement 1 in Fed. Register 8: 15784. Nov. 20, 1943; Amend. 25 to Supplement 1 in Fed. Register 8: 15860-15861. Nov. 23, 1943; Amends. 81 and 82 in Fed. Register 8: 16160-16161. Nov. 30, 1943; Amends. 83 and 84 in Fed. Register 8: 16260-16262. Dec. 2, 1943; Amend. 86 and Amend. 26 to Supplement 1 in Fed. Register 8: 16424-16426, 16428. Dec. 7, 1943; Amend. 89 in Fed. Register 8: 16606. Dec. 9, 1943; Amend. 85 in Fed. Register 8: 16695. Dec. 11, 1943.
- 3019 U. S. OFFICE OF PRICE ADMINISTRATION. Processed foods. Fed. Register 8: 15454. Nov. 11, 1943. 169 F31  
Ration Order 13, Amend. 81; Amend. 86 in Fed. Register 8: 15524. Nov. 13, 1943; Amend. 29 to Revised Supplement 1 in Fed. Register 8: 15586. Nov. 16, 1943; Amend. 86 in Fed. Register 8: 15594. Nov. 16, 1943; Amend. 87 in Fed. Register 8: 15716. Nov. 18, 1943; Amend. 30 to Revised Supplement 1 in Fed. Register 8: 16170. Nov. 30, 1943; Amend. 88 in Fed. Register 8: 16199. Dec. 1, 1943; Amend. 89 and Amend. 31 to Revised Supplement 1 in Fed. Register 8: 16258-16260; Amend. 90 in Fed. Register 8: 16293. Dec. 3, 1943; Amend. 92 and Amend. 32 to Revised Supplement 1 in Fed. Register 8: 16427-16428. Dec. 7, 1943; Amends. 94 and 95 in Fed. Register 8: 16606. Dec. 9, 1943; Amend. 91 in Fed. Register 8: 16695. Dec. 11, 1943.
- 3020 U. S. OFFICE OF PRICE ADMINISTRATION. Retail ceiling prices on foods sold in group 1 and 2 stores. Fed. Register 8: 16031-16032. Nov. 26, 1943. 169 F31  
Maximum Price Regulation 423, Correction to Amend. 8.
- 3021 U. S. OFFICE OF PRICE ADMINISTRATION. Temporary food rations. Fed. Register 8: 16115. Nov. 30, 1943. 169 F31  
General Ration Order 9, Amend. 4.

## PROCESSING AND STORAGE

- 3022 BAGNALL, D. J. T. Colour in food. Manufacturing Chem. 14: 350-354. Nov. 1943. 396.8 M31
- 3023 BERZAGHI, M. N. Considerações gerais sobre conservação dos produtos agrícolas. Ouro Branco 9(2): 11. June 1943. 72.8 Ou7
- 3024 BERZAGHI, M. N. Deshidratación e secagem dos produtos agrícolas. Ouro Branco 9(1): 11. May 1943. 72.8 Ou7
- 3025 BIKERMAN, J. J. Colloid chemistry in food manufacture. Food Mfr. 18: 377-380. Nov. 1943. 389.8 F736
- 3026 \*BORKENHAGEN, ERICH. Die gefrierkonserve in der kriegsernährungswirtschaft. Deut. Agrarpolitik 1: 253-255. Apr./May 1943.
- 3027 BOUYOUCOS, GEORGE, and CARDINELL, H. A. A method for indicating the moisture content of foods during dehydration. Science (n. s.) 98: 435-436. Nov. 12, 1943. 470 Sci2

- 3028 CARVALHO e SILVA, O. M. de. Alimentos deshidratados. Observador Econ. e Financ. 8(90): 109-110. July 1943. 280.8 Ob72
- 3029 DEHYDRATED foodstuffs; vast and rapidly growing industry. Times Trade & Engin. (n.s.) 54 (958): 9. Dec. 1943. 286.8 T482
- 3030 FROZEN foods directory [1943]. Food Indus. 15(11): 79-80, 83-84, 87-88, 90-98. Nov. 1943. 389.8 F737
- 3031 HOEFER, MRS. HELEN. A canning program - in review. Pract. Home Econ. 21: 410, 412, 448. Nov. 1943. 321.8 H752
- 3032 MONCRIEFF, R. W. Flavour and food. Part II. Food Manufacture 18: 383-384. Nov. 1943. 389.8 F736
- 3033 MORA, MARICHU de la. Conservemos nuestros alimentos sin necesidad de hielo. Surco [Madrid], 2(17): 22-23. July 1943. 15 Su7  
Methods of keeping foods in the farmhouse lacking refrigerator and ice box.
- 3034 RADLEY, J. A. Fluorescence analysis in the food industry. Part 1. Food Manufacture 18: 363-368, 374. Nov. 1943. 389.8 F736
- 3035 \*SCHÖNBERG, F. Angewandte wissenschaft als helfer in der lebensmittelverrätswirtschaft. Ztschr. f. Fleisch- u. Milchhyg. 52: 39-41. Nov. 15, 1941.  
Advantages in food conservation and storage.
- 3036 \*SEISER, A., NECKE, A., and WEBER, H. Übergang von blei aus bleihaltigem wasser in nahrungs- und genussmittel. Arch. f. Hyg. und Bakt. 128: 196-207. Nov. 23, 1942.
- 3037 SHAW, C. L. Looking at Canadian processed food problems. West. Canner and Packer 35(12): 16. Nov. 1943. 286.83 W522
- 3038 TOWNSEND, C. T. Botulism and home canning. Calif. Dept. Pub. Health. California's Health 1: 65-68. Nov. 15, 1943. 449.8 C12
- 3039 WARRINGTON, S. T. Local food processing - its contribution to the food program. (Concl.) Quick Frozen Foods 6(4): 53, 65. Nov. 1943. 389.8 Q4  
Also in Ice and Refrig. 105: 245-246. Nov. 1943. 295.8 Ic2
- 3040 WATERS, L. W. The world needs food processors. Food in Canada 3(10): 7-8. Oct. 1943. 389.8 F7323
- 3041 WILLIS, P. S. Deshidratación y congelación de productos. Campesino [Santiago, Chile] 75: 558-560. Sept. 1943. 9.3 Sol2  
With similar title in Indus. Lechera 25: 461-467. July 1943. 44.8 In26
- 3042 WILLSON, K. S., and others. Liquid sulphur dioxide in the food industries. Fruit Prod. Jour. and Amer. Food Mfr. 23: 72-82. Nov. 1943. 389.8 F94  
W. O. Walker, C. V. Mars, and W. R. Rinelli, joint authors.

## STATISTICS

- 3043 AGRICULTURAL food production in World War I and World War II. U. S. Bur. Agr. Econ. Natl. Food Situation, Sept. 1943, p. 13-26, processed. 1.941 S2F73  
A statistical study.
- 3044 BACHMAN, K. L., and CROWE, G. B. Agricultural production, southern U. S.; U. S. Bur. Agr. Econ. Agr. Situation 27(10): 10-14. Oct. 1943. 1 Ec7Ag
- 3045 BRITISH INFORMATION SERVICES. Agriculture at war; some statistics. 3 p., processed. N. Y., 1943. (Om428 (IDH)) 280.9 B772
- 3046 GONZÁLEZ H., GONZALO. Agricultura mexicana: productos de importancia actual. Estadística [Mexico] 1(3): 89-107. Sept. 1943. 251.8 Es8  
Discusses the extent to which the various crops are produced in Mexico. Tables show area, production, and value of production, as well as imports and exports.



3047 HURT, B. R., and NELSON, A. G. [Agricultural production, Corn Belt, U. S. Bur. Agr. Econ. Agr. Situation 27(10): 14-18. Oct. 1943. 1 Ec7Ag]

3048 KIENHOLZ, B. U. Crop acreage trends in North Dakota. N. Dak. Agr. Expt. Sta. Bimonthly Bul. 6(1): 16-22. Sept. 1943. 100 N813B  
Trends by crops from 1870 to 1940.

3049 PARSONS, M. S. [Agricultural production, northeastern region, U. S. Bur. Agr. Econ. Agr. Situation 27(10): 8-10. Oct. 1943. 1 Ec7Ag]

3050 STEWART, H. L., and AHRENDES, E. R. [Agricultural production, western U. S., U. S. Bur. Agr. Econ. Agr. Situation 27(10): 18-23. Oct. 1943. 1 Ec7Ag]

3051 WORKING, E. J. Crop yield index numbers --some comments on Hirsch's views. Jour. Farm Econ. 25: 874-881. Nov. 1943. 280.8 J822

#### BEVERAGES AND CONDIMENTS

3052 ANDRADE, THEOPHILO de. O convênio dos estados cafeeiros. DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 891-894. June 1943. 286.83 D44]

Brief history of earlier meetings, and economic importance of fourteenth convention of Brazilian coffee-growing states, which met in May, 1943.

3053 ANDRADE, THEOPHILO de. A situação do café. Observador Econ. e Financ. 8(90): 119-122. July 1943. 280.8 Ob72

3054 BALART, B.D. Brewing better coffee for our armed forces. (To be cont.) Spice Mill 66(12): 21,23,25. Dec. 1943. 389.8 Sp4

3055 BALART, BERT. The Army's coffee. Coffee Ann. (1943)5: 45-47. N. Y., 1943. 286.3689 C73

3056 BETTLEHEIM, R. W. Coffee and the battle against inflation. Coffee Ann. (1942)4: 21-23. N. Y., 1942. 286.3689 C73

Ceiling prices on coffee.

3057 BLODGETT, H. P. Glass and the coffee industry, yesterday - today - tomorrow. Coffee Ann. (1943)5: 31-34. N. Y., 1943. 286.3689 C73

Packing coffee in glass.

3058 CADDOW, H. A. Ten years of wine progress. Amer. Grocer 150(21): 3. Nov. 24, 1943. 286.83 Am32

3059 CALLE, FABIAN. Con calidad y propaganda el vino argentino puede conquistar el mercado de los Estados Unidos. Chacra [Buenos Aires] 13(156): 74, 76. Oct. 1943. 9 C34

3060 CAMARGO, MARIO. What is the Colombian coffee federation? Coffee Ann. (1942)4: 34-36. N. Y., 1942. 286.3689 C73

3061 COFFEE control [forum]. Coffee Ann. (1942)4: 24-28. N. Y., 1942. 286.3689 C73

Participants in the discussion were J. M. O'Connor, E. Bransten, and A. Hanemann.

3062 DANIELS, P. C. The Inter-American coffee agreement, war and post-war. Coffee Ann. (1943)5: 13-15. N. Y., 1943. 286.3689 C73

3063 DELAFIELD, J. P. The responsibilities of the Food Distribution Administration. Coffee Ann. (1943)5: 23-24. N. Y., 1943. 286.3689 C73

Policy of the U. S. Food Distribution Administration with regard to the coffee industry.

3064 EVEN, E. G. Control of beverage prices. Wine Rev. 11(10): 26-28. Oct. 1943. 390.8 W722

3065 FERREIRA, R. da C. O futuro do café brasileiro. DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 911-912. June 1943. 286.83 D44]

Production statistics.

3066 FERREIRA, R. da C. Quebra de produção e cafés inferiores. DNC; Rev. do Depto. Nac. do Café [Brasil, 21: 46-48. July 1943. 286.83 D44]

Factors of production and quality of Brazilian coffee to be improved.

3067 FRANCO, C. M., and ALOISI SOBRINHO, J. Pesquisas sobre a fermentação do café. DNC; Rev. do Depto. Nac. do Café [Brasil, 21: 33-37. July 1943. 286.83 D44]

3068 GONÇALVES, ALVARO. Aristocracia rural e fidalgos do café. (Cont.) DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 696-702; 21: 39-45, 231-236. May, July-Aug. 1943. 286.83 D44]

Discusses the part played by transportation and communications in the early Brazilian coffee industry and the early coffee growers and their influence upon the economy of Rio de Janeiro State.

3069 GUEDES, J. F. Brazil coffee in 1942; report submitted... to the Advisory Council of the National Coffee Department of Brazil. DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 730-777. May 1943. 286.83 D44]

Text in English and Portuguese. An annual review of the industry.

3070 GUEDES, J. F. Brazil coffee in the present phase of the war. Coffee Ann. (1942)4: 13-15. N. Y., 1942. 286.3689 C73

3071 LAMBEAU, KAY. How wines from the Guast desert find their way to your table. D and W 42(12): 6-7,94-95. Dec. 1943. 288.8 T68

3072 LEWINSOHN, RICHARD. O consumo de café "per capita." DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 691-695. May 1943. 286.83 D44]

Continues a study on world consumption of coffee begun in the March issue.

3073 LEWINSOHN, RICHARD. Consumo "per capita" e consumo real. DNC; Rev. do Depto. Nac. do Café [Brasil, 21: 7-10. July 1943. 286.83 D44]

Author states that "true consumption" is to be based on number of actual consumers, using Brazilian coffee statistics and United States market analyses as his examples.

3074 LIMA, RAUL. Estatísticas sucas de café. DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 718-722. May 1943. 286.83 D44]

Figures on import and consumption of coffee.

3075 LOPES, VALDEMAR. Serviços à história. DNC; Rev. do Depto. Nac. do Café [Brasil, 20: 906-908. June 1943. 286.83 D44]

Place of coffee in economic and cultural history of Brazil.

3076 MELLO, J. C. Exportações para a União sul Africana. São Paulo. Superintendência dos Serviços do Café. Bol. 18: 331-333. May 1943. 68.29 Sa63

Coffee exports from Brazil to the Union of South Africa since 1911.

3077 PENTEADO, EURICO. A coffee-pool plan to regain European markets. Coffee Ann. (1943)5: 17-18. N. Y., 1943. 286.3689 C73

3078 QUINLAN, R. D. Coffee - and the Office of Economic Warfare. Coffee Ann. (1943)5: 25-27. N. Y., 1943. 286.3689 C73

3079 QUINLAN, R. D. Responsibilities of the Board of Economic Warfare [with regard to coffee]. Coffee Ann. (1942)4: 19-20. N. Y., 1942. 286.3689 C73

3080 RAINEAU, MICHEL. Here's how they like coffee and tea in north Africa. Spice Mill 66(12): 12,15. Dec. 1943. 389.8 Sp4

3081 REICHARD. Die bestimmung der phosphorsäure (des phosphatrestes) in wein und traubensaft und ihr gehalt, zugleich ein beiträg zur neubearbeitung der amtlichen vorschriften zur untersuchung von wein und most. Ztschr. f. Untersuch. der Lebensmtl. 85: 158-164. Feb. 1943.

3082 REICHARD. Die bestimmung des calciums und magnesiums in wein und traubensaft und ihr gehalt, ein beiträg zur neubearbeitung der amtlichen anweisung zur untersuchung von wein. Ztschr. f. Untersuch. der Lebensmtl. 84: 141-147. Aug. 1942.



3083 \*REICHARD. Die bestimmung des stickstoffgehaltes von wein und traubensaft und ihr gehalt, ein beitrag zur Neubearbeitung der amtlichen anweisung für die untersuchung von wein und most. Ztschr. f. Untersuch. der Lebensmtl. 85: 164-169. Feb. 1943.

3084 \*REICHARD. Die bestimmung von natrium in wein und traubensaft und sein gehalt, ein beitrag zur Neubearbeitung der amtlichen anweisung zur untersuchung von wein und most. Ztschr. f. Untersuch. der Lebensmtl. 85: 146-158. Feb. 1943.

3085 ROSENTHAL, JACOB. The activities of the War Production Board in connection with coffee. Coffee Ann. (1942)4: 16-18. N. Y., 1942. 286.3689 C73

3086 ROSENTHAL, JACOB. A challenge to the coffee industry. Coffee Ann. (1943) 5: 21-22. N. Y., 1943. 286.3689 C73

Problems created by coffee rationing.

3087 TESTA, J. Importação de café pelos Estados Unidos. São Paulo. Superintendência dos Serviços do Café. Bol. 18: 222-223. Apr. 1943. 68.29 Sa63

3088 TESTA, JOSÉ, and PASO, J. A. Consideraciones sobre la aplicación racional del SO<sub>2</sub> en enología (Estudio sobre la disociación del anhídrido sulfuroso combinado). Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.) 1941: 61-67. 1942. 9 J82

3089 WINKLER, A. J., and AMERINE, M. A. Color in wine and influencing factors. Wine Rev. 11(10): 10-12. Oct. 1943. 390.8 W722

#### DAIRY PRODUCTS

3090 ATKIN, M. D. The food with the big future is dried skimmilk. Better Farms 4(12): 3. Nov. 15, 1943. 6 B462

3091 BLANFORD, C. J. Milk regulation today. Farmers Defender 2(11): 12-13, 14. Nov. 1943. 280.28 F227

3092 CHURCHILL, MAXINE. Miller pokes his nose into Stumpphouse Mountain and there .... the guts for the blue blood of the cheese kingdom. South. Dairy Prod. Jour. 34(5): 22-24. Nov. 1943. 44.8 So83

Abandoned railroad tunnel in South Carolina suitable for curing Blue mold cheese, discovered by Paul Miller.

3093 EVANS, MARJORIE. Canadian woman discusses milk, and you'll agree she knows the answers. Jersey Bul. 62: 1323, 1340-1342. Nov. 5, 1943. 43.8 J48

Need for consumer education and organization of dairymen to promote advertising the nutritive value of milk.

3094 GOSS, E. F. Cheese situation in Iowa. Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt. (1942) 56: 37-39. (Iowa Dept. Agr. Bul. 94-C) 2 Io9B

3095 GRANT, C. G. F. Britain's wartime increase of agricultural production especially dairy products is, "truly astonishing." Farmer and Settler 37(31): 7. Sept. 3, 1943. 23 F226

3096 McBRIDE, C. G. What brings milk to market? Will incentives, subsidies, limitations, controls add to market value? Ohio Farmer 192(10): 12. Nov. 20, 1943. 6 Oh3

3097 MILLER, J. D. History of the Dairymen's League. (Cont.) Dairymen's League News 27(23): 5; (24): 5,6; (25): 5, 16. Nov. 9, 23, Dec. 7, 1943. 44.8 DL432

3098 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Minnesota creameries, cheese and ice cream factories, milk plants, refrigerated food lockers, canneries and bottlers. Bul. Inform. 1942, 69 p. St. Paul, 1943? 44.9 M664

3099 O'DANIEL, W. L. Will Washington's bungling bureaucrats dry up the milk flow? South. Dairy Prod. Jour. 34(5): 10-11, 14. Nov. 1943. 44.8 So83

3100 PATERSON, J. A. Milk records. Fortieth year - Records of 37,939 cows. Highland and Agr. of Scotland. Trans. 5th ser. (1943): 107-116. 10 H536

3101 \*PIRNER, HANS. Neue wege in der milchwirtschaft. Vierjahresplan 6(6): 268-271. June 1942.

A discussion of new developments within the dairy industry, with special attention to organization, mechanization, and improvement of technical processes.

3102 \*THOMANN, W. Die käseproduktion im sommer 1941. Schweiz. Zentbl. f. Milchw. 31: 130-131, 134-135, 137-138. July 17, 24, 31, 1942.

3103 VAN RENSBURG, S. W. J. The dangers of impure milk. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 157, 2 p. Pretoria, 1943. 24 So82P

Deals with the danger of transmitting tuberculosis, undulant fever, and streptococcic infections from cow to man.

3104 WALWORTH, GEORGE. National control or free competition for Britain's milk industry. Milk Dealer 33(2): 64, 66. Nov. 1943. 44.8 M595

Post-war planning.

3105 WE SHARE milk. When Federal milk conservation comes to your town, help make it work. If this program fails, consumer rationing may be the next step. U.S. Agr. Adjustment Admin. Consumers' Guide 10(1): 3-5. Dec. 1943. 1.94 Ad422C

3106 WILKINSON, J. S. The outlook on canned milk. Super Market Merchandising 8(10): 84-85. Oct. 1943. 389.8 Su7

3107 WILLINGHAM, J. J. Ice cream industry in Iowa. Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt. (1942) 56: 40-41. (Iowa Dept. Agr. Bul. 94-C) 2 Io9B

#### Analysis and Composition

3108 \*\*BABCOCK, C. J. Use of coliform test in controlling the quality of pasteurized milk. U. S. Army Med. Dept. Bul. 69, p. 81-84. 1943.

Abs. in Chem. Abs. 37: 6751. Nov. 20, 1943. 381 Am33C

3109 BAKER, M. P. The evaluation of some tests for milk quality. Canad. Dairy and Ice Cream Jour. 22(11): 34, 46, 48. Nov. 1943. 44.8 Cl62

A discussion of the sediment test, plate count, microscopic count, coliform count, methylene blue test, and resazurin test.

3110 BLACK, L. A. Surveys of milk laboratories in war areas in the United States. II. Practices observed in making direct microscopic examinations and methylene blue reduction tests. III. Observations on sampling and health department practice relative to bacteriological milk analysis. U. S. Pub. Health Serv. Rpts. 58: 1641-1656, 1681-1689. Nov. 5, 12, 1943. 151.65 P96

3111 BOND, EDMUND. The necessity of dairy laboratory control. Canad. Dairy and Ice Cream Jour. 22(11): 64, 66. Nov. 1943. 44.8 Cl62

Bacteriological, chemical, and physical tests of milk and other dairy products.

3112 COLE, W. C. Regulating ice cream composition under present day restrictions. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 3 p., processed. 44.9 Cl26

3113 DAVIS, D. S. Milk and cream nomograph; graphic interpolation of data on the dependence of solids-not-fat content, specific gravity and densities upon the butterfat content. Food Indus. 15 (12): 75. Dec. 1943. 389.8 F737

3114 DAVIS, J. G., NEWLAND, L. G., and KNUCKEY, P. B. The resazurin and rapid resazurin tests for milk;— their relation to other bacteriological tests and mastitis. Pts. I-III. Dairy Indus. 8(1): 23-29; (2): 71-77; (3): 115-119. Jan., Feb., Mar. 1943. 44.8 DL427

3115 DAVIS, J. G., and NEWLAND, L. G. The use of the resazurin comparator in artificial light. Dairy Indus. 8: 555-563. Oct. 1943. 44.8 DL427

Bacteriological analysis of milk by the resazurin test.



- 3116 DOAN, F. J., and JOSEPHSON, D. V. Observations on the ascorbic acid content of evaporated milk. *Jour. Dairy Sci.* 26: 1031-1041. Nov. 1943. 44.8 J822
- 3117 EGDELL, J. W. Testing raw milk supplies for keeping quality under the national scheme. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1942:138-140. 84 B77
- 3118 FERNANDEZ, G. M. La leche (breve estudio). (Cont.) *Campo [Buenos Aires]* 27(322): 43. Aug. 1943. 9 C15
- Determination of acid in milk.
- 3119 FURTADO, D. de A. O leite e seus produtos. I. Estudo geral do leite; Composição do leite; Propriedades do leite; Colostro. II. Influência de factores diversos na produção e na qualidade do leite; Classificação do leite; Transportes, medição e pesagem. III. Conservação do leite. *Rev. Agron. [Porto Alegre, Brazil]* 7: 329-333, 391-399, 448-454. June, July, Aug. 1943. 9.2 R325
- 3120 GRAHAM, V. E. Butterfat test of cream. *Canad. Dairy and Ice Cream Jour.* 22(11): 44. Nov. 1943. 44.8 C162
- 3121 LINNEBOE, J. B. The iron content of butter and its relation to the butter wash water. *Sci. Agr.* 24: 64-69. Oct. 1943. 7 Sci2
- 3122 LHCAS, P. S., and STOUT, R. E. A method for determination of specific gravity and overrun in frozen ice cream. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 125-128. Nov. 1943. 100 M58S
- 3123 MORRIS, C. S., and EDWARDS, M. Thermogenic organisms in milk; the detection and sources of contamination with thermogenic organisms in raw milk and their effect on the resazurin test. *Dairy Indus.* 8: 550-554. Oct. 1943. 44.8 D1427
- 3124 \*\*PIEN, JEAN. The graduation of the milk butyrometer. [Translated title] *Lait* 22: 22-38. 1942.
- Measuring butterfat quality.
- Abs. in *Chem. Abs.* 37: 6751. Nov. 20, 1943. 381 Am33C
- 3125 ROWLAND, S. J., ASCHAFFENBERG, R., and VEINOGLOU, B. C. Mastitis and the freezing-point of milk. *Analyst* 68: 302-303. Oct. 1943. 382 An1
- 3126 \*\*SCHULER, A. Milk serums and the refractometric chlorine number according to Beckel. [Translated title] *Ztschr. f. Untersuch. der Lebensmtl.* 82: 215-241. 1941.
- Abs. in *Chem. Abs.* 37: 6751. Nov. 20, 1943. 381 Am33C
- 3127 \*\*SCHWARZ, G., and MUMM, H. The ash content and the alkalinity of milk powder ash. [Translated title] *Deut. Molkerei Ztg.* 63: 229-230. 1942.
- Abs. in *Chem. Abs.* 37: 5794. Oct. 10, 1943. 381 Am33C
- 3128 SORIANO, A. M. de. Examen bacteriológico de las cremas que se expenden en la Ciudad de Buenos Aires. *Agronomía [Buenos Aires]* 31(1): 48-55. Oct. 1942. 9 B864
- 3129 THIEL, C. C. The determination of moisture in dried butterfat. *Austral. Council Sci. and Indus. Res., Jour.* 16: 135-138. Aug. 1943. 514 Au72J
- 3130 THIEL, C. C. The solubility of water in butterfat. *Austral. Council Sci. and Indus. Res., Jour.* 16: 139-141. Aug. 1943. 514 Au72J
- 3131 \*\*VINET, ANDRÉE, and MEUNIER, PAUL. Electrochemical determination of vitamins A and C in milk; influence of stabilization and preservation. [Translated title] *Lait* 21: 239-243. 1941.
- Abs. in *Chem. Abs.* 37: 6751. Nov. 20, 1943. 381 Am33C
- 3132 WORDEN, A. N. Xanthine oxidase activity of cow's milk. *Nature [London]* 152:505-506. Oct. 30, 1943. 472 N21
- Distribution, Marketing, and Transportation
- 3133 BAYLES, D. P. Butter--butter, who has the butter? *U. S. Dept. Com. Dom. Com.* 31(24): 9, 29. Nov. 1943. 157.54 D713
- The butter supply and its distribution.
- 3134 CONNECTICUT MILK ADMINISTRATOR. Report.. 1943. 117 p. Hartford, 1943. 280.3449 C76
- Includes information on trends in production, supply, demand, and prices; administrative regulations and procedures; and problems of production, marketing, and pricing.
- 3135 ESMOND, C. W. Securing consumer cooperation to ease milk delivery problem. *Milk Dealer* 33 (2): 48, 50. Nov. 1943. 44.8 M595
- 3136 HENNERICH, G. W. Can merchandising of ice cream, take a furlough? *Ice Cream Trade Jour.* 39(11): 20, 47. Nov. 1943. 389.8 Ic2
- 3137 JOHNSON, STEWART. The Albany - Troy - Schenectady milk market. *N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E.* 461, 14 p., processed. Ithaca, 1943. 281.9 C81
- 3138 \*LAUR, E. Die stellung der milchverbände zur neuorganisation des handels. *Schweiz. Zentbl. f. Milchw.* 31: 125. July 10, 1942.
- 3139 NUTT, P. L. The State-aided milk and butter scheme in South Africa. [Excerpts] *South African Dairyman* 5: 169, 171-173. Sept. 1943. 44.8 So822
- Regulating the exportation of butter and cheese by diverting fluid milk and cheese to school children, and butter to needy families and institutions.
- 3140 POUND, G. C. The cheese situation. *Super Market Merchandising* 8(10): 86-87. Oct. 1943. 389.8 Su7
- 3141 RICHARDS, O. M. Butter blows off the lid! *Super Market Merchandising* 8(10): 88-89. Oct. 1943. 389.8 Su7
- 3142 SIBLEY, J. R. Why we should have Creamline as viewed by one of its originators and producers. *Jersey Bul.* 62: 1387, 1416-1418. Nov. 20, 1943. 43.8 J48
- Function in wartime of Jersey Creamline as a trade association.
- Grading, Inspection, Standardization, and Quality
- 3143 BROWNLEE, B. O. Cream grading in Iowa. *Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt.* (1942) 56: 23-30. (Iowa Dept. Agr. Bul. 94-C) 2 Io9B
- 3144 RAINVILLE, H. E. Post-war planning highlighted; war conference of Illinois Dairy Products Association stresses re-employment and return to high quality standards. *Amer. Butter Rev.* 5: 356-359. Nov. 1943. 44.8 Am37
- 3145 ROADHOUSE, C. L. Job training by industry. *Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers* 1943, 5 p., processed. 44.9 C126
- Contains direction sheet for receiving milk at the University farm creamery.
- 3146 THOMASSON, H. L. Grade A milk. *Ind. State Bd. Health. Monthly Bul.* 46: 248. Oct. 1943. 449.7 In2M
- Requirements of an effective and workable milk ordinance.
- 3147 \*\*THOMPSETT, R. E. The inspection of powdered whole milk. *U. S. Army Med. Dept. Bul.* 69, p. 85-89. 1943.
- Abs. in *Chem. Abs.* 37: 6751. Nov. 20, 1943. 381 Am33C
- 3148 THOMSEN, L. C. Wartime problems affecting butter quality control. *Canada Dairy and Ice Cream Jour.* 22(11): 31-33. Nov. 1943. 44.8 C162
- Packing and Packaging
- 3149 WELSH, J. D. Improved packaging of process cheeses. *Canad. Dairy and Ice Cream Jour.* 22 (11): 78. Nov. 1943. 44.8 C162



Prices, Price Control, and Rationing

3150 BUTTER rationing regulations. Full text of the new order. Austral. Milk and Dairy Prod. Jour. 10(8): 5-8. Aug. 1943. 44.8 Au72

3151 CUNNINGHAM, L. C. Milk production costs in relation to guaranteed and necessary prices of milk in New York, 1943-44. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 458, 8 p., processed. Ithaca, 1943. 281.9 C81

3152 DILWEG, La V. R. Canada has a 65 cent maximum subsidy on milk. Farmer's Friend 3(11): 6. Nov. 19, 1943. 6 F2209

3153 LAUTERBACH, A. H. What price milk? Nation's Agr. 18(10): 6, 10-11. Nov. 1943. 280.82 B89

Also in Nation's Agr. [Kans. Ed.], 18(10): 6, 10-11. Nov. 1943. 280.82 B89

3154 SPENCER, LELAND. Price ceilings, subsidies and milk shortage. East. Milk Prod. 19(21): 14. Nov. 15, 1943. 280.28 Sh3

3155 SWONGER, C. W. Mounting costs in the dairy industry; recognized; what will the answer be -- price rise or subsidies? New England Dairyman 27(11): 5-6, 10. Nov. 1943. 44.8 N44

3156 U. S. OFFICE OF PRICE ADMINISTRATION. Cheese. Fed. Register 8: 16527. Dec. 8, 1943. 169 F31

Ration Order 16, Amend. 88.

3157 U. S. OFFICE OF PRICE ADMINISTRATION. Dairy products. Fed. Register 8: 15428-15429. Nov. 10, 1943. 169 F31

Maximum Price Regulation 289, Amend. 21; Amend. 23 in Fed. Register 8: 16524. Dec. 8, 1943.

3158 U.S. OFFICE OF PRICE ADMINISTRATION. Fluid milk. Fed. Register 8: 16597. Dec. 9, 1943. 169 F31

Maximum Price Regulation 280, Amend. 37.

3159 U. S. OFFICE OF PRICE ADMINISTRATION. Milk and milk products. Fed. Register 8: 16428. Dec. 7, 1943. 169 F31

Supplemental Regulation 14A to General Maximum Price Regulation, Amend. 9; Amend. 8 in Fed. Register 8: 16604-16605. Dec. 9, 1943.

3160 U.S. OFFICE OF PRICE ADMINISTRATION. Purchases from producers for resale as fluid milk. Fed. Register 8: 16296. Dec. 3, 1943. 169 F31

Maximum Price Regulation 329, Amend. 16.

Processing and Storage

3161 BEHLMER, H. E. Looking into the future of creamery operation. Creamery Jour. 54(12): 5, 28-30. Dec. 1943. 44.8 C86

Quality butter manufacture and equipment.

3162 BOEHR, J. W. Steps toward higher quality milk. Farmer-Stockman 56: 500. Dec. 1943. 6 Ok45

Advice on sanitation practices.

3163 CARPENTER, R. S. Bacterias en la leche. Vaqueros 3(9): 7. Sept. 15, 1943. 43.8 V41

3164 COLE, W. C. The importance of individual processing operations of ice cream. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 3 p., processed. 44.9 C126

3165 DAHLE, C. D., and JOSEPHSON, D. V. Quality control--removal of oxidizing factors makes dry whole milk keep. Food Indus. 15(11): 76-77. Nov. 1943. 389.8 F737

3166 \*DORNER, W., and RITTER, P. Merkblatt für die bekämpfung der buttersäureblähung der Alpkäse. Schweiz. Zentbl. f. Milchw. 31: 114-115. June 19, 1942.

3167 \*DORNER, W., and RITTER, P. Merkblatt für die bekämpfung der frühblähung der Alpkäse. Schweiz. Zentbl. f. Milchw. 31: 115. June 19, 1942.

3168 \*DORNER, W., and RITTER, P. Merkblatt für die pflege geschmierten Alpkäse. Schweiz. Zentbl. f. Milchw. 31: 118. June 26, 1942.

3169 \*DORNER, W. Untersuchungen über die reinigung von milchleitungen und pumpen. Schweiz. Milchztg. 68: 428. Nov. 24, 1942.

Sanitation of the milk separator in relation to bacteria in milk.

3170 LA ELABORACIÓN de los quesos; requisitos generales para la fabricación de quesos en las granjas, en las lecherías y en las fabricas. Granja [Guadalajara] 11: 178-180. Oct. 1943. 15.5 G76

3171 ELVEHJEM, C. A. Pasteurization and the nutritive value of milk. Canad. Dairy and Ice Cream Jour. 22(11): 58, 60, 62. Nov. 1943. 44.8 C162

3172 FERNANDEZ, G. M. Elaboración del queso "Quartirolo." Campo [Buenos Aires] 27(322): 46-47. Aug. 1943. 9 C15

3173 GORRIE, C. J. R. Premium system for quality milk has much to commend it. Stock and Land 33(36): 3. Sept. 8, 1943. 49 St63

Care and handling.

3174 GOULD, I. A., and others. Relationship of the stability of carotenoides of butter and butteroil to formation of peroxides. Mich. Agr. Expt. Sta. Quart. Bul. 26: 145-149. Nov. 1943. 100 M58S

L. A. Moore, F. C. Ewbank, and R. C. Townley, joint authors.

3175 GOULD, I. A. Retarding action of rennet extract on lipolysis accelerated by homogenization. Mich. Agr. Expt. Sta. Quart. Bul. 26: 75-77. Aug. 1943. 100 M58S

3176 \*\*GUITTONNEAU, G., and HAAS, SUZANNE. Concerning a Sporotrichum as a normal ripening media in certain cheese. [Translated title] Lait 21: 243-250. 1941.

Occurrence of Sporotrichum aureum during the ripening of St. Nectaire type of cheese.

Abs. in Chem. Abs. 37: 6753. Nov. 20, 1943. 381 Am33C

3177 HANKINSON, C. L., and PALMER, L. S. Rennin action in relation to the water binding and electrokinetic properties of calcium and sodium caseinate sols. Jour. Dairy Sci. 26: 1043-1056. Nov. 1943. 44.8 J822

3178 HERRINGTON, B. L., and KRUKOVSKY, V. N. The riddle of bitter milk. Calif. Cultivator 90: 551, 562. Oct. 30, 1943. 6 C12

3179 HERRINGTON, B. L., and KRUVOSKY, V. N. Secret of bitter winter butter... suggest some control measures. Jersey Bul. 62: 1384, 1402, 1404, 1406. Nov. 20, 1943. 43.8 J48

3180 JUDKINS, H. F. Homogenizing efficiency test studies. Jour. Dairy Sci. 26: 997-1010. Nov. 1943. 44.8 J822

3181 \*\*KELLERMANN, R., and FLUGGE, C. Experiments to determine the sources of bacteriological defects in storage butter. [Translated title] Molk. Ztg. [Hildesheim] 56: 354-356. 1942.

Abs. in Chem. Abs. 37: 5794. Oct. 10, 1943. 381 Am33C

3182 \*KOESTLER, G. Bericht über den Uettlinger grossversuch betreffend die gegenüberstellung einer nach bestimmten vorschritten durchgeführten verwendung von gülle und kraftfutter und einer nicht an die bestimmungen eines einschränkenden plans gebundenen wirtschaftsweise und ihren beidseitigen einfluss auf die qualität des Emmentalerkäses. Landw. Jahrb. der Schweiz 56: 754-873. 1942.

3183 \*KOESTLER, G. Im parallelversuch aus gleicher milch hergestellter Emmentalerkäse mit deutlich verschiedener teigbeschaffenheit. Schweiz. Milchztg. 68: 344, 348. Sept. 25, 29, 1942.

3184 \*KOESTLER, G. Vergleichende untersuchungen über das pufferungsvermögen der kuhmilch mit besonderer berücksichtigung des kolostrums und seiner mischungen mit reifer milch. Landw. Jahrb. der Schweiz 57: 183-203. 1943.



- 3185 LOPES, C. F., and SOARES FILHO, F. A colimetria aplicada ao controle de leite cru e leite pasteurizado. Seu valor, em correlação com a contagem bacteriana global. Bol. de Indus. Anim. (n.s.) 6:46-56. Jan./Apr. 1943. 49 R324
- The Escherichia-Aerobacter group of bacteria in milk.
- 3186 MARTIN, N. A. Metropolitan milk supply; compulsory pasteurization proposed. Victoria Dept. Agr. Jour. 41: 437-443. Sept. 1943. 23 V66J
- 3187 MEEN, F. W. Pioneer milk pasteurizing plant [was Carlson's Creamery at Rush City, Minn.]. Milk Dealer 33(2): 39-40. Nov. 1943. 44.8 M595
- 3188 MIERSCH, RAYMOND, and PRICE, W. V. Milk filtering in the cheese factory. Natl. Butter and Cheese Jour. 34(12): 26-30. Dec. 1943. 286.85 B98Bu
- 3189 \*\*MOHR, W., and others. Experiments on the keeping quality of sweet-and sour-cream butter. [Translated title] Molk. Ztg. [Hildesheim] 56: 369-372. 1942.
- A. Arbes, M. Kelting, H. Ballhöfer, and H. Franke, joint authors.
- Abs. in Chem. Abs. 37: 5794. Oct. 10, 1943. 381 Am33C
- 3190 MONNE LEON, M. A. Importancia de la microbiología en la industria lechería. [Montevideo] Univ., Facult. de Agron. Rev. No. 30, p. 39-50. Nov. 1942. 102.5 M76R
- Bacteria in milk and other dairy products.
- 3191 MORELLO, R. L. J. Instrucciones para la fabricación del queso Casilda (tipo Chubut-Tandilero). Pampa Argentina 17(193): 8, 19. Sept. 1943. 9 P19
- 3192 \*MUGGLI, J. Kessmilchfettgehalt in der viertelfett- u. halbfettkäseerei. Schweiz. Zentbl. f. Milchw. 31: 8-9. Jan. 16, 1942.
- 3193 \*MUGGLI, J. Ueber den wassergehalt beim Tilaiterkäse. Schweiz. Milchztg. 68: 396. Oct. 30, 1942.
- 3194 \*\*MÜSSEMER. Zur frage der milcherhitzung in sammelmolkereien. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59(1/2): 3-15. 1942.
- Abs. in Biol. Abs. 17: Item 20551. Oct. 1943. 442.8 B526
- Sanitation in milk plants and pasteurization of skim milk and whey before returning them to the farms are essential in disease control.
- 3195 RETIEF, D. J. Germs in milk. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 170, 2 p. Pretoria, 1943. 24 So82P
- 3196 RIBEIRO, J. A. Teoria e técnica casearias; fabricação de queijos do ponto de vista químico-biológico. I. Coagulação de sangue e do leite. II. Paralelo entre a digestão dos alimentos e a maturação de queijos. III. Elementos do leite em sua relação com o queijo. Rev. dos Criadores 14(12): 38-40; (13): 47-49. Aug., Sept. 1943. 43.8 R32
- 3197 ROADHOUSE, C. L. Homogenized milk. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 2 p., processed. 44.9 C126
- Includes methods for preparation of chocolate milk drink.
- 3198 ROADHOUSE, C. L., and HENDERSON, J. L. The importance of industrial processing operations of market-milk. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 3 p., processed. 44.9 C126
- Receiving and testing, weighing and sampling, filtering or clarifying, pasteurizing, bottling, and delivery to the cold room.
- 3199 ROADHOUSE, C. L. Protecting the wholesomeness of milk. Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers 1943, 3 p., processed. 44.9 C126
- 3200 SAMMIS, J. L. Problems in cheesemaking. Dairy Goat Jour. 21(9): 1. Nov. 1943. 40.18 M592
- Advice on requirements necessary for the beginning of a cheese factory for the manufacture of goat milk cheese.
- 3201 SAUNDERS, W. D. Cheese making in the home. South. Planter 104(11): 21. Nov. 1943. 6 So89
- 3202 \*\*SCHULZ, MAX. The preparation of kefir grains from whey. [Translated title] Deut. Molkerei Ztg. 62: 1145-1146. 1941.
- Abs. in Chem. Abs. 37: 6358. Nov. 10, 1943. 381 Am33C
- 3203 SURE, BARNETT, and FORD, Z. W. Influence of incubation at 37°C. on stability of thiamin and riboflavin in cow's milk. Soc. Expt. Biol. and Med. Proc. 54: 83-85. Oct. 1943. 442.9 Sol
- 3204 WALBERG, VIOLA, and LUCAS, P. S. Use of condiments in process cheese. Mich. Agr. Expt. Sta. Quart. Bul. 26: 122-124. Nov. 1943. 100 M58S
- 3205 WEIS, R. D. Tricks with [goat milk] cheese. Amer. Dairy Goat News 5(6): 2. Dec. 1943. 40.18 Am34
- 3206 WILSON, G. S. The pasteurization of milk. Estate Mag. 43: 291-293. Nov. 1943. 10 Es8
- 3207 WILSTER, G. H. Textures of fall and winter made butter. South. Dairy Prod. Jour. 34(5): 54-55, 62-63, 68. Nov. 1943. 44.8 So83
- 3208 \*ZOLLIKOFER, E., and RICHARD, O. Die empfindlichkeit des beweglichen buttersäurebazillus gegenüber kochsalz. Schweiz. Milchztg. 68: 363-364. Oct. 9, 1942.
- Effect of salt on butyric fermentation in Emmenthal cheese.
- Statistics**
- 3209 CALIF. DEPT. OF AGRICULTURE. DIVISION OF ANIMAL INDUSTRY. Statistical report of California milk products and list of California milk products plants, 1942. Calif. Bur. Dairy Serv. Spec. Pub. 198, 80 p., processed. Sacramento, 1943. 2 C121S
- 3210 CARL, L. M. Milk production on Iowa farms in 1941. Iowa Dept. Agr. Dairy and Food Div. Ann. Rpt. (1942) 56: 9-12. (Iowa Dept. Agr. Bul. 94-C) 2 Io9B
- FEED AND FORAGE CROPS**
- 3211 ADAMS, J. C. Alfalfa in the bag; one-hour process from field through dehydrator saves nutrients. Nebr. Farmer 85(22): 4, 33. Nov. 20, 1943. 6 N27
- 3212 BLANCH, G. T. Livestock feeding situation in Utah relatively favorable for 1943-44. Utah Agr. Expt. Sta. Farm & Home Sci. 4(4): 1-2, 10. Dec. 1943. 100 Ut1F
- Feed supply and livestock numbers.
- 3213 BOLING, F. E. Price elasticity needed to insure adequate feed supply. Feedstuffs 15(48): 29-30, 32. Nov. 27, 1943. 286.81 F322
- 3214 EBLING, W. H., and GRIEM, W. B. Wisconsin feed production and utilization. Wis. Dept. Agr. Bul. 236, 74 p. Madison, 1943. 2 W752Bu
- Statistical review covering approximately three decades for most of the items considered.
- 3215 FITZGERALD, D. A. Livestock and feed program... traces past, present and future pattern of Governmental plans, with especial reference to North-east--chickens, broilers and turkeys to be cut. Amer. Egg & Poultry Rev. 4: 614, 616, 618, 620, 622, 623. Nov. 1943. 47.8 Am38
- 3216 HOPKINS, A. F. Feed industry in wartime. Feedstuffs 15(45): 27-29. Nov. 6, 1943. 286.81 F322
- 3217 HOPKINS, A. F. Labor problems and ingredient shortages hinder feed output. Feed Bag 19(11) 7, 95-96. Nov. 1943. 389.78 F32



3218 LEE, C. E. What is the feed situation? Amer. Poultry Jour. 74(12): 5, 45, 46, 47, 48. Dec. 1943. 47.8 Am32

3219 McINTOSH, O. O. Defends feed industry by relating problems. Peninsula Broiler Jour. 3(13): 1, 2-3. Nov. 1, 1943. 47.8 P37

3220 MARSTON, H. R., QUINLAN-WATSON, F., and DEWEY, D. W. The dehydration of lucerne (Medicago sativa) and its potentialities as a concentrated source of ascorbic acid and of carotene for human consumption. Austral. Council Sci. & Indus. Res. Jour. 16(3): 113-124. Aug. 1943. 514 Au72J

3221 MOLONEY, J. F. Means to repair disrupted protein distribution sought. Cotton Digest 16(10): 5. Dec. 4, 1943. 286.82 C822

Deals with cottonseed meal and cake.

3222 NELSON, R. A. Feed conservation. Stock & Dairy Farmer 33(3): 3. Nov. 1943. 6 N8195

3223 PHILIPS, A. G. Equitable distribution of feeds. Grain and Feed Jours. Consolidated 91: 400. Nov. 10, 1943. 298.8 G762

With similar title in Flour & Feed 44(7): 20, 22. Dec. 1943. 298.8 F66

3224 THROCKMORTON, R. I. Brome finds its place (in the agriculture of the Central States). Country Gent. 113(12): 14, 45, 46. Dec. 1943. 6 C833

3225 U. S. OFFICE OF PRICE ADMINISTRATION. Animal product feedstuffs. Fed. Register 8: 15429-15430. Nov. 10, 1943. 169 F31

Revised Maximum Price Regulation 74, Amend. 5.

3226 U. S. OFFICE OF PRICE ADMINISTRATION. Mixed feeds for animals and poultry. Fed. Register 8: 15489. Nov. 12, 1943. 169 F31

Maximum Price Regulation 378, Amend. 5.

3227 WALLACE, W. D. United States feed situation. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 445-448. Dec. 4, 1943. 286.8 C16

Supply and price situation and outlook.

3228 WERTZ, V. R., and others. Economists report on livestock feed prospects. Ohio Farm Bur. News 23(3): 4. Oct. 1943. 6 Oh34

G. W. Miller, L. H. Barnes, and Floyd Delashmuth, joint authors.

3229 YANTIS, HARVEY. Feed outlook is disquieting for dairy farmers. East. Milk Prod. 19(21): 6, 11. Nov. 15, 1943. 280.28 Sh3

"Grave problem caused by increase in livestock coupled with heavier feeding than normal."

#### FIBERS AND TEXTILES

3230 ACKERMAN, F. E. Future wool supply and demand. Natl. Wool Grower 33(11): 12-13. Nov. 1943. 45.8 N21N

3231 ALLAN, J. S. Pulp production in post-war Britain. Flax waste. (Cont.) World's Paper Trade Rev. 120: 1024, 1026. Nov. 5, 1943. 302.8 W89

3232 ALMEIDA, J. L. de. Algodão - A exploração N. 1 da agricultura de S. Paulo. Ouro Branco 9(1): 9-10. May 1943. 72.8 Ou7

3233 ALMEIDA, J. L. de. O papel que o algodão desempenhou para a melhoria das condições econômicas de S. Paulo. Ouro Branco 9(2): 9-10. June 1943. 72.8 Ou7

3234 ALMEIDA, J. L. de. O papel que o cooperativismo está predestinado a exercer na atividade algodoeira. Ouro Branco 8(12): 9-10. Apr. 1943. 72.8 Ou7

3235 ANDERSON, J. A., and EVA, W. J. The quality of western Canadian flax 1943 crop. Canada. Grain Res. Laboratory. Crop Bul. 10, 16 p., processed. Ottawa, 1943. 73.9 C162

3236 BAER, F. L. Latest developments and figures on U.S. hemp industry program. Cord Age Mag. 40(5): 8, 10. Nov. 1943. 73.8 C812

3237 BARBAGELATA, R. E. El algodón en el mundo de post-guerra. Argentina. Junta Nac. del Algodón. Bol. Mens., No. 97/98, p.320-329. May/June 1943. 72.9 Ar3

Discussion of addresses made by Lynn R. Edminster, P. K. Norris, and Oscar Johnston before the National Cotton Conference-Forum under the auspices of the New York Cotton Exchange. They dealt with international trade and its significance with respect to the United States cotton industry, cotton and the international commodity agreements, and prospects for cotton in the post-war world.

3238 BLAKE, W. R. The problems pertaining to cooperative promotion of agricultural products. Natl. Peanut Council Year Book 1942: 51-56. n. p., 1943? 77.9 N21

On the financing program of the National Cotton Council.

3239 CHRISTENSEN, J. V., and ESPLIN, A. C. Sampling of wool best method of determining shrinkage. Utah Agr. Expt. Sta. Farm & Home Sci. 4(4): 5, 11. Dec. 1943. 100 UtlF

3240 CLARKE, T. E. Practical dyeing by the pack system. The importance of perfect solution and avoidance of precipitation. Textile Mfr. 69: 452-453, 440. Oct. 1943. 304.8 T3126

Dyeing of yarn.

3241 COX, A. B. Cotton in the post-war economy of Texas. Tex. Business Rev. 17(10): 13-14. Nov. 1943. 280.8 T312

3242 DAVIDSON, G. F. The rate of change in the properties of cotton cellulose under the prolonged action of acids. Textile Inst. Jour. 34: T87-T96. Oct. 1943. 73.9 T31

3243 ELLIOT, G. H., and SPEARMAN, J. B. Resist processes on wool; a new method of reducing the affinity of wool for acid dyes. Textile Mfr. 69: 445. Oct. 1943. 304.8 T3126

3244 EVANS, J. G. Trends of development in textile finishing. Textile Mfr. 69: 450. Oct. 1943. 304.8 T3126

Deals in part with the advent of new fibers.

3245 \*\*FRANZ, E., MÜLLER, F. H., and WALLNER, L. Comparative studies of fiber structure. Forsch.-Ber. Zellwolle- u. Kunstseide Rings. G.m.b.H. 1942, No. 2, 75-83.

Abs. in Chem. Abs. 37: 6901, Nov. 20, 1943. 381 Am33C

3246 GRIFFIN, W. B. The effect of raw stock dyeing on the fiber and manufacturing properties of cotton. Amer. Dyestuff Rptr. 32: P527-P531, P538. Nov. 22, 1943. 306.8 Am3

3247 HERTEL, K. L. New methods of measuring the properties of cotton fibers. (Concl.) Rayon Textile Monthly 24(11): 83-84. Nov. 1943. 304.8 R21

3248 HOCK, C. W., and McMURDIE, H. F. Structure of the wool fiber as revealed by the electron microscope. U. S. Natl. Bur. Standards. Jour. Res. 31: 229-236. Oct. 1943. 157.88 J82

3249 HOLMAN, R. L. The outlook for cotton; when war demands cease, will cotton again become America's number one "problem crop"? Forbes 52(11): 17. Dec. 1, 1943. 280.8 F74

Chiefly on new uses of cotton.

3250 HOOD, M. P. Yucca's useful. New Mexico 21(12): 13, 36-37. Dec. 1943. 288.8 N46

Production of yucca in New Mexico, and its uses and importance.

3251 JAYNES, M. C. Cotton improvement a major war need. Acco Press 21(11): 7-8. Nov. 1943. 6 Ac2

3252 LIMA, D. P. A proposito da indústria do sercá. Rev. Reunidas 18(86): 18. Aug. 1943. 72.8 R322

3253 LINBERG, G. O. Continuous indigo dyeing of wool. Fibre and Fabric 96(3067): 6-9. Nov. 13, 1943. 304.8 F44



- 3254 MADDEN, F. P., and HALEY, B. F. Textile price control. Natl. Assoc. Cotton Mfrs. Trans., Meeting No. 144, Sept. 18, 1942, p. 711-720. Boston, 1942. 304.9 N21T
- 3255 MAHTA, D. N. Recent advances in Indian cotton production. With discussion. Roy. Soc. Arts Jour. 91: 616-622. Oct. 29, 1943. 501 L847J
- 3256 MUIR, A. B. Raw cotton marketing. Steps towards decontrol in future trading. Tex. Weekly 32: 532. Oct. 15, 1943. 304.8 T3127
- 3257 MURCHISON, C. T. U. S. raw cotton policy is post war problem. Linen & Domestics 27(2): 38. Nov. 1943. 304.8 L642
- 3258 MYERS, LAWRENCE. Wool purchase program of U. S. Commodity Credit Corporation. Wyo. Wool Grower 17(33): 1, 3-8. Nov. 3, 1943. 280.38 W99
- 3259 NATIONAL ASSOCIATION OF COTTON MANUFACTURERS. Report of the Secretary R. T. Fisher. Natl. Assoc. Cotton Mfrs. Trans., Meeting No. 144, Sept. 18, 1942, p. 673-678. Boston, 1942. 304.9 N21T
- 3260 OLIVER, FRED. More long staple cotton is a must for 1944-45 season. Cotton and Cotton Oil Press 44(23): 18. Nov. 6, 1943. 304.8 C822
- 3261 ORELLANA B., RODRIGO. Lo que es la clasificación comercial del algodón. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(35): 25-27, 28. July/Sept. 1943. 9.5 M31
- 3262 PATTON, C.W. A study of textile fibers and fabric construction as factors influencing adhesion of textile-plastic combinations. Amer. Dyestuff Rptr. 32: P513-P523. Nov. 22, 1943. 306.8 Am3
- 3263 POWRIE, A., and SPEARMAN, J. B. The adsorption of water by jute. Textile Inst. Jour. 34: T77-T86. Oct. 1943. 73.9 T31
- 3264 REEVES, R.E. Stabilization of oxidized cotton fiber. Indus. and Engin. Chem., Indus. Ed. 35: 1281-1283. Dec. 1943. 381 J825
- 3265 RINGUELET, J. A. La sericicultura en el país. Vinos, Viñas y Frutas 39: 102-103. Aug. 1943. 9 Ag89
- 3266 SAAVEDRA, DAVID. Brazil tomorrow. Pan American 4(6): 3-5. Nov. 1943. 280.8 P192
- Notes the importance which cotton will have in Brazil's future economy.
- 3267 SALINS, H. D. The bast fibers. Rayon Textile Monthly 24(7-9): 68-69, 71-72, 122-123. July/Sept. 1943. 304.8 R21
- Includes flax.
- 3268 SCHWARZ, E. R. The stress-strain-time-temperature and humidity behavior of textile fibers. Textile Res. 13(13): 2-8. Nov. 1943. 304.8 T293
- 3269 SILVA, B. Q. da. O cooperativismo na cultura algodoeira. São Paulo, Brazil. Sec. da Agr., Indus. e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(30): 1. Mar. 1943. 280.28 C7872
- 3270 U.S. WAR PRODUCTION BOARD. Cordage fiber, cordage yarn and cordage. Fed. Register 8: 16394-16404. Dec. 7, 1943. 169 F31
- General Conservation Order M-84, as amended Dec. 6, 1943.
- 3271 U.S. WAR PRODUCTION BOARD. Cotton linters and hull fibre. Fed. Register 8: 16657-16658. Dec. 10, 1943. 169 F31
- General Preference Order M-12, as amended Dec. 9, 1943.
- 3272 U. S. WAR PRODUCTION BOARD. Wool. Fed. Register 8: 15780. Nov. 20, 1943. 169 F31
- General Conservation Order M-73, as Amended Nov. 19 1943.
- 3273 VARA, J. G. "Henequeneros de Yucatán" y su significación actual. Sisal de Yucatán 4(45): 3. Sept. 30, 1943. 73.8 S183
- 3274 VIEIRA, G. V. N. A lã e suas propriedades. (Cont. and to be cont.) Rev. Agron. (Porto Alegre, Brazil) 7: 415-417. Aug. 1943. 9.2 R325
- Discusses the structure of wool fibers.
- 3275 WARRINGTON, C. J. Future of nylon yarn and uses. Textile Mfr. 69: 441-442. Oct. 1943. 304.8 T3126
- 3276 WHITTIER, B. L. Industrial cotton fabrics. Textile Res. 13(13): 12-15. Nov. 1943. 304.8 T293
- 3277 WILLIAMS, J.Z. Some fibers and possibilities of their development in Western Hemisphere. (Concl. Cord Age Mag. 40(5): 24, 26, 33. Nov. 1943. 73.8 C812
- 3278 WILSON, C. M. Enough rope. Inter-American 2(12): 15-17, 38. Dec. 1943. 280.8 In85
- Abacá, produced in Middle America, vital fiber.
- FRUITS, VEGETABLES, AND NUTS
- 3279 ALDERMAN, W. H. Are we ready for the green light? Minn. Hort. 71: 142-143. Nov. 1943. 81 M66
- Possibilities for increased fruit production in Minnesota.
- 3280 BAHIA, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. SECÇÃO DE PROPAGANDA E DIVULGAÇÃO. Organização cooperativa da citricultura baiana. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Secq. de Propaganda e Divulgação. Bol. 2, 88 p. Cidade do Salvador, Bahia, 1941. 280.29 B14
- 3281 BECKWITH, C. S. Our disappearing cranberry crop. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1943)74: 17-19. 81 Am35C
- 3282 BOETTNER, JOHANNES. Leistungssteigerung im Gemüsebau. Vierjahresplan 6(5): 229-231. May 15, 1942.
- Discusses Government encouragement for increase of vegetable production in Germany, the food value of vegetables, present production situation, and the European vegetable situation.
- 3283 BOSTER, D. O. The 1943 cranberry estimate. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1943)74: 6-8. 81 Am35C
- 3284 BROWN, H. D. Role of vegetables in food program. Agr. Student 50(2): 6. Nov. 1943. 6 Ag84
- 3285 CHARLEY, V. L. S., HOPKINS, D. P., and POLLARD, A. Malic acid as a by-product in the production of apple treacle. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1941: 96-101. 84 B77
- 3286 CHARLEY, V. L. S., KIESER, M. E., and POLLARD, A. A note on the production of a concentrated syrup from table beet. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1942: 122-123. 84 B77
- 3287 CHARLEY, V. L. S., HOPKINS, D. P., and POLLARD, A. The utilisation of surplus carrots. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1941: 102-109. 84 B77
- A. Production of treacle. B. Pomace as a feeding stuff and source of pectin and carotene. C. Fermentation products.
- 3288 CLARKE, R. H. 40 pounds of sweet potatoes. Coop. Merchandiser 8(10): 28, 41, 43. Oct. 1943. 286.28 C78
- Supply, nutritional value, economic importance, and merchandising of sweetpotatoes.
- 3289 CORREIA, P. de L. O cooperativismo na fruticultura. São Paulo, Brazil. Sec. da Agr., Indus. e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(29): 1. Feb. 1943. 280.28 C7872
- 3290 DORSEY, M. J. A review of the 1943 peach season. Amer. Fruit Grower 63(11): 7, 12. Nov. 1943. 80 G85
- 3291 HICKMAN, ERVIN. Apples. D and W 42(11): 11-12, 52. Nov. 1943. 288.8 T68
- Story of apple production, processing, and marketing in the Pacific Northwest.
- 3292 LOYD, A. K. Five-year average is buffer for protection of B. C.'s apple industry. Country Life (British Columbia, 27(6, i.e. 9): 12-13. Nov. 1943. 7 C832



3293 McKAY, A. W., and MOORE, J. C. Post-war planning from a fruit and vegetable slant. News for Farmer Coop. 10(8): 14-15, 21. Nov. 1943. 166.2 N47

Deals with fruit and vegetable cooperatives.

3294 MARRIOTT, R. E. Do you know your onions --and your garlic, shallots, scallions, chives, and leeks? Prog. Grocer 22(11): 58-59, 144, 149, 152, 157. Nov. 1943. 286.29 P94

Description of varieties, and suggestions on handling and merchandising.

3295 MONOGRAFÍAS comerciales: la naranja. Mex. Dir. de Econ. Rural. Bol. Mens., No. 210, p. 1147-1177. Nov. 1943. 254.5 Ag83

This commercial study of the orange includes discussion of the Mexican producing regions, varieties, grades and standards, consumption, and foreign and domestic trade, and world production, consumption, and trade.

3296 NICHOLSON, ARNOLD. When good growers get together. Country Gent. 113(12): 16, 42, 43. Dec. 1943. 6 C833

Development, activities and management of the Pennsylvania Co-operative Potato Growers' Association.

3297 PARK, R. H. Bellwether co-op does more than sell. Farm Jour. 67(12): 22, 77. Dec. 1943. 6 F2212

Development and activities of California Fruit Growers Exchange.

3298 POLLARD, A. The development of acidity in carrot juice and treacle and the nature of the acid products. Bristol. Univ. Agr. and Hort. Res. Sta. (Nat'l. Fruit and Cider Inst.) Ann. Rpt. 1942: 107-109. 84 B77

3299 SHOWALTER, H.A. Citrus fruit juices and fruit flavors. Spice Mill 66(12): 47-48. Dec. 1942 389.8 Sp4

3300 SIDDAPPA, G. S. Pomegranate juice. Indian Farming 4: 196-198. Apr. 1943. 22 In283

Varities, extraction, bottling, and other products.

3301 SOTO, J. G. de. Situación actual y perspectivas de la citricultura nacional. Uruguay. Univ. Facult. de Agron. Rev., No. 30, p. 9-38. Nov. 1942. 102.5 W76R

3302 TESTA, JOSÉ. Contribución al estudio de las sidras argentinas: Elaboración, composición química, análisis, disposiciones legales y normas de interpretación. Buenos Aires, Argentina (City) Univ. Nac. Inst. de Indus. Agr. (Enol. e Indus. Extractivas) [Pub.], 1(2): 93-157. 1943. 390.9 B86

3303 U. S. WAR PRODUCTION BOARD. Vegetable tanning materials. Fed. Register 8: 16030-16031. Nov. 26, 1943. 169 F31

3304 WARE, L. M. 17 sweet potato facts and what farmers can do about them. This Month in Rural Ala., Sept. 9, 1943, p. 3. 6 T34

Discusses prices, storage, harvesting, and grading.

#### Distribution, Marketing, and Transportation

3305 BOND, M. C. Seasonality of receipts and sources of 13 market vegetables at New York City, 1942. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 439, 28 p., processed. Ithaca, 1943. 281.9 C81

3306 CHANEY, C. M. The 1943 cranberry market. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1943) 74: 9-11. 81 Am35C

3307 HOLMES, E. W. Local distribution of fruit and vegetables. Farmer's Weekly [Bloemfontein] 66: 75, 91. Sept. 29, 1943. 24 F225

Institute of Market-Masters of South Africa formed Apr. 27, 1943. Its president expresses need for planning among markets.

3308 HOW DO you market: Pennsylvania potatoes. Guide Post 20(11): 5-8. Nov. 1943. 75.8 G94

3309 MEALS, C. F. Marketing uncertainties force cut in advertising of walnuts. Diamond Walnut News 25(6): 7. Nov. 1943. 94.68 D34

3310 PENTZER, W. T. Precooling grapes with special reference to the Hoak crosswise load. Blue Anchor 20(4): 6-11. Nov. 1943. 286.83 B62

3311 VIRGINIA. UNIVERSITY. EXTENSION DIVISION. Emphasis on marketing; Buckingham County [Va.], farmers sell tomatoes in cans. Va. Univ. Ext. Div. Pub. New Dominion Ser. 42, 4 p. Charlottesville, 1943. 280.9 V814

Story of Buckingham Farmers Cooperative.

#### Grading, Inspection, Standardization, and Quality

3312 FEDERAL-STATE inspection service, State of Iowa, 1942 crop and general history; report of the supervisor, George W. Christenson. Iowa State Vegetable Growers' Assoc., Ann. Convention, 29. In Iowa State Hort. Soc. Trans. 77: 364-366. 1942. 81 Io9

Inspection of onions and other crops.

3313 LEWIS, L. H. Harvesting and grading sweet potatoes. Fla. Dept. Agr. For Sale, Want and Exchange Bul. 1, 1. e. 13(2): 1. Oct. 15, 1943. 280.38 F74

3314 MATTINGLEY, G. H. Seed potato certification scheme: objects and conditions. Victoria. Dept. Agr. Jour. 41: 433-436. Sept. 1943. 23 V66J

Discusses the operation of the scheme, including grading of potatoes and virus diseases affecting Victorian potatoes.

3315 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Potatoes inspected and certified in Minnesota, 1942. 27 p. St. Paul, 1942. 75.9 M662

"Contains names and addresses of growers whose potatoes have passed the field inspections according to the rules and regulations governing the growing of certified seed potatoes in Minnesota."

The Library also has similar report for 1943.

3316 SHERWIN, R. A. Standards for blue peas. Tasmanian Farmer 6(12): 6-7. Sept. 1943. 23 T186

Grade standards in Tasmania.

#### Industrial Utilization

3317 BROWN, BRUCE. Historic vegetable dyes. Textile Colorist 65: 487-489, 517-518. Nov. 1943. 306.8 T31

3318 NEALY, W.A. Cranberry waste as source of emulsifying agent for salad dressings. Spice Mill 66(12): 51-52. Dec. 1943. 389.8 Sp4

3319 PARKER, P. P. Pectin—the Cinderella crop. News for Farmer Coop. 10(8): 8, 20-21. Nov. 1943. 166.2 N47

Development of pectin and pectin substances.

#### Packing and Packaging

3320 SAVE [fruit, containers. Hoosier Hort. 25: 142-144. Nov. 1943. 81 In2H

3321 U. S. WAR PRODUCTION BOARD. Wooden shipping containers for oranges and grapefruit. Fed. Register 8: 15448. Nov. 11, 1943. 169 F31

Supplemental Order L-232-a.

#### Prices, Price Control, and Rationing

3322 FULTON, ANDREW. The tomato price outlook for 1944. Hort. & Home 66: 206, 214. Nov.-Dec. 1943. 80 C16

3323 RHODES, NEILL. Florida vegetable prices on Northern markets. Fla. Dept. Agr. For Sale, Want and Exchange Bul. 1(4): sheet 1-2. Nov. 15, 1943. 280.38 F74

Statistics on weekly average prices of different vegetables during marketing seasons from 1935-36 to 1942-43.

3324 SCHLAGENBUSCH BROS., Madison, Wis. Black walnut prices for 1942. Iowa Nut Growers Assoc. Proc. 3. In Iowa State Hort. Soc. Trans. (1942) 77: 162-163. 81 Io9

3325 THORPE, C. Ceiling delay upsets [walnut] market; California Walnut Growers Association sells out at ceiling prices. Diamond Walnut News 25(6): 1-2. Nov. 1943. 94.68 D34



- 3326 U. S. OFFICE OF PRICE ADMINISTRATION. Cabbage. Fed. Register 8: 15610. Nov. 16, 1943. 169 F31  
Maximum Price Regulation 426, Amend. 10.
- 3327 U. S. OFFICE OF PRICE ADMINISTRATION. Certified and var approved seed potatoes. Fed. Register 8: 15602-15604. Nov. 16, 1943. 169 F31  
Maximum Price Regulation 492.
- 3328 U. S. OFFICE OF PRICE ADMINISTRATION. Christmas packed dried fruits. Fed. Register 8: 16687. Dec. 11, 1943. 169 F31  
Maximum Price Regulation 262, Amend. 13.
- 3329 U. S. OFFICE OF PRICE ADMINISTRATION. Dried and processed apples and apple products, 1943 crop and after. Fed. Register 8: 15697-15703. Nov. 18, 1943. 169 F31  
Maximum Price Regulation 493, Amend. 1 in Fed. Register 8: 16664. Dec. 10, 1943.
- 3330 U.S. OFFICE OF PRICE ADMINISTRATION. Dried fruits, 1943 and later crops. Fed. Register 8: 16686-16687. Dec. 11, 1943. 169 F31  
Maximum Price Regulation 475, Amend. 1.
- 3331 U.S. OFFICE OF PRICE ADMINISTRATION. Dry edible beans and certain other dry food commodities. Fed. Register 8: 16166-16169. Nov. 30, 1943. 169 F31  
2d Rev. Maximum Price Regulation 270.
- 3332 U. S. OFFICE OF PRICE ADMINISTRATION. Edible tree nuts. Fed. Register 8: 16663-16664. Dec. 10, 1943. 169 F31  
Maximum Price Regulation 490, Amend. 2.
- 3333 U.S. OFFICE OF PRICE ADMINISTRATION. Fresh fruits and vegetables for table use - sales except at retail. Fed. Register 8: 16062. Nov. 27, 1943. 169 F31  
Maximum Price Regulation 426, Amend. 11; Amend. 13 in Fed. Register 8: 16294. Dec. 3, 1943; Amendments. 12 and 15 in Fed. Register 8: 16409-16419, 16423-16424. Dec. 7, 1943; Amend. 14 in Fed. Register 8: 16519-16520. Dec. 8, 1943.
- 3334 U. S. OFFICE OF PRICE ADMINISTRATION. Fresh fruits, berries and vegetables for processing. Fed. Register 8: 15674. Nov. 17, 1943. 169 F31  
Maximum Price Regulation 425, Amend. 3; Amend. 4 in Fed. Register 8: 16293-16294, Dec. 3, 1943.
- 3335 U.S. OFFICE OF PRICE ADMINISTRATION. Frozen fruits, berries and vegetables (1943 pack and after). Fed. Register 8: 16204-16207. Dec. 1, 1943. 169 F31  
Maximum Price Regulation 409, Amendments. 5 and 6; Amend. 7 in Fed. Register 8: 16625-16626. Dec. 7, 1943.
- 3336 U.S. OFFICE OF PRICE ADMINISTRATION. Imported fresh bananas, sales except at retail. Fed. Register 8: 16626. Dec. 9, 1943. 169 F31  
Maximum Price Regulation 285, Amend. 4.
- 3337 U.S. OFFICE OF PRICE ADMINISTRATION. Maximum prices for packers and certain other sellers of apple butter. Fed. Register 8: 16503-16508. Dec. 8, 1943. 169 F31  
Maximum Price Regulation 498.
- 3338 U.S. OFFICE OF PRICE ADMINISTRATION. Maximum prices for packers and certain other sellers of fruit preserves, jams and jellies. Fed. Register 8: 16129-16130. Nov. 30, 1943. 169 F31  
Maximum Price Regulation 473, Amend. 3.
- 3339 U.S. OFFICE OF PRICE ADMINISTRATION. Potato chips. Fed. Register 8: 15861. Nov. 23, 1943. 169 F31  
Maximum Price Regulation 457, Amend. 1.
- 3340 U. S. OFFICE OF PRICE ADMINISTRATION. Potatoes and onions. Fed. Register 8: 15587-15594. Nov. 16, 1943. 169 F31  
Revised Maximum Price Regulation 271, including Amend. 8; Amend. 9 in Fed. Register 8: 15663, Nov. 17, 1943.
- 3341 U. S. OFFICE OF PRICE ADMINISTRATION. Sales of citrus fruits by packers, brokers, auction markets, terminal sellers and intermediate sellers. Fed. Register 8: 15663. Nov. 17, 1943. 169 F31  
Maximum Price Regulation 292, Amend. 6; Amend. 7 in Fed. Register 8: 16282-16289, Dec. 3, 1943.  
Processing and Storage
- 3342 ALLEN, R. J. L., BARKER, JOHN, and MAPSON, L. W. The drying of vegetables. I. Cabbage. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 145-160. Oct. 1943. 382 M31
- 3343 BEATTIE, H. G., WHEELER, K. A., and PEDERSON, C. S. Changes occurring in fruit juices during storage. Food Res. 8: 395-404. Sept./Oct. 1943. 389.8 F7322
- 3344 BENICE PIERES, RUBÉN. La coloración artificial del limón. Buenos Aires (Prov.) Dir. de Agr., Ganad. e Indus., Bol. de Agr., Ganad. e Indus. 23(6): 31-32. Aug. 1943. 9 B866
- 3345 BRADY, M. Y. Fruit preserving. Veg. Messenger and Health Rev. 40: 190-192. Oct. 1943. 389.8 V522
- 3346 CALDWELL, J. S., CULPEPPER, C. W., and SCOTT, D. H. Varietal suitability for dehydration in eastern freestone peaches. (To be cont.) Fruit Prod. Jour. and Amer. Food Mfr. 23: 68-71, 89. Nov. 1943. 389.8 F94
- 3347 CANADA. DOMINION BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the fruit & vegetable preparations industry in Canada, 1942. 19 p., processed. Ottawa, 1943. 253 C3321
- 3348 CHARAVANAPAVAN, C. The preparation of jams, preserves, candied fruit and cordials. Trop. Agr., Ceylon, 99(1): 27-36. Jan.-Mar., 1943. 26 T751  
Utilization of local fruits and vegetables.
- 3349 CHARLEY, V. L. S., BURROUGHS, L. F., and POLLARD, A. The cold SO<sub>2</sub> method of plum preservation. A large experimental trial in Kent. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1942: 117-121. 84 B77
- 3350 CHARLEY, V. L. S., and others. The large-scale preservation of plums by the sulphur dioxide cold process. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1941: 86-95. 84 B77  
D. P. Hopkins, M. E. Kieser, and V. E. Sills, joint authors.
- 3351 CHARLEY, V. L. S., KIESER, M. E., and STEEDMAN, JOAN. Production of black currant syrup. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1942: 110-116. 84 B77
- 3352 CHARLEY, V. L. S., and others. The treatment of apple pomace prior to drying for subsequent pectin extraction. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1942: 89-100. 84 B77  
L. F. Burroughs, M. E. Kieser, and Joan Steedman, joint authors.
- 3353 CRANG, ALICE. Notes on domestic fruit and vegetable preservation. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1941: 125-130. 84 B77
- 3354 CRANG, ALICE. Preserving fruit with the "Campden fruit preserving tablets." Progress report. Bristol. Univ. Agr. and Hort. Res. Sta. (Natl. Fruit and Cider Inst.) Ann. Rpt. 1941: 118-124. 84 B77
- 3355 CROW, RAY. Sweet potatoes for stock feed. New farm type dehydrator converts sweet potatoes into stock feed with carbohydrate value equal to corn. East Tex. Chamber Com. East Tex. 18(2): 6, 15. Nov. 1943. 6 Ea73
- 3356 CUMMINGS, M. B. To keep fruits and vegetables. New England Homestead 116(22): 6. Nov. 13, 1943. 6 N442



- 3357 DUFFY, M. P. Loss of vacuum on ripe olives packed in glass. Canner 97(25): 19-20. Nov. 20, 1943. 286.83 C16
- 3358 \*ERACH, KURT. Bestimmung geringer mengen gesamt kreatinin insbesondere bei gegenwart von grösseren mengen oxydierbarer stoffe. Ztschr. f. Untersuch. der Lebensmtl. 84: 209-225. Sept. 1942. Includes experiments with tomato juice.
- 3359 FENTON, FAITH, and GIFFT, HELEN. Palatability studies of commercially dehydrated vegetables. I. Effect of several methods of storage on palatability of beets, cabbage, and rutabagas. II. Effect of several common refreshing and cooking methods on palatability and water absorption of beets, cabbage, potatoes, rutabagas, and yellow turnips. Food Res. 8: 364-376. Sept./Oct. 1943. 389.8 F7322
- 3360 FITCH, C. L. Carrot storage studies of 1942-1943. Iowa State Vegetable Growers' Assoc. Ann. Convention. 29. In Iowa State Hort. Soc. Trans. (1942) 77: 342-344. 81 Io9
- 3361 FITCH, C. L. A test of a cooling radiator. Iowa State Vegetable Growers' Assoc. Ann. Convention. 29. In Iowa State Hort. Soc. Trans. (1942) 77: 344-345. 81 Io9  
Reports tests in the cooling of stored packages of carrots.
- 3362 GLICK, C. E. Retorting glass containers in packaging olives. Canner 97(25): 20. Nov. 20, 1943. 286.83 C16
- 3363 GLICKSON, D. The preparation of raisins, jam and spread from grapes. Hassadeh 23: 320-321. July/Aug. 1943. 26 H27  
Text in Hebrew.
- 3364 GLOVER, W. H., OHMART, L. M., and STOKIOSA, M. J. Refrigeration gives better syrup of orange. Amer. Pharm. Assoc. Jour. 4: 309-310. Oct. 1943. 396.9 Am33J
- 3365 HALE, ORRIN. Storing your garden surplus. Northwest Gard. and Homes 11(8): 7-8. Oct. 1943. 80 N813
- 3366 HALL, E. G. The home preservation of fruit juices. Agr. Gaz. N. S. Wales 54: 459-462. Oct. 1943. 23 N472  
First of a series. Deals with citrus juices.
- 3367 HOBART, INEZ. Making sauerkraut at home. Minn. Hort. 71: 125. Oct. 1943. 81 M66
- 3368 \*HOPPLER, F. Über die viscosität der fruchtsäfte und fruchtsirupe. Ztschr. f. Untersuch. der Lebensmtl. 85: 45-53. Jan. 1943.
- 3369 INGERSON, H. G. The washing and drying of potatoes. Iowa State Vegetable Growers' Assoc. Ann. Convention. 29. In Iowa State Hort. Soc. Trans. (1942) 77: 329-332. 81 Io9  
Includes costs.
- 3370 JONES, FRED W. Growing of vegetables is first step in dehydration. Quick Frozen Foods 6(4): 35, 49. Nov. 1943. 389.8 Q4
- 3371 LEMONS, EDD. Co-operative food conservation program. Agr. Ed. Mag. 16: 96. Nov. 1943. 275.8 Ag8  
How vocational-agriculture students in an Oklahoma locality saved and canned a crop of cherries.
- 3372 LEONARD, E. R., and WARDLAW, C. W. Studies in tropical fruits. XII. The respiration of bananas during storage at 53 F. and ripening at controlled temperatures. Trinidad Imp. Col. Trop. Agr. Low Temperature Res. Sta. Mem. 19, p. 379-423. Trinidad, 1941. 295.9 Sa2
- 3373 MENÉNDEZ LEES, PEDRO, and BERGERET, GUALBERTO. Deshidratación de frutas cítricas para elaborar mermelada. Uruguay. Univ. Facult. de Agron. Rev., No. 30, p. 97-107. Ref. 102.5 M76R
- 3374 MENÉNDEZ LEES, PEDRO. Relación de algunas investigaciones frigoríficas realizadas en el curso del año 1942 sobre conservación de productos de origen vegetal. Asoc. de Ingen. Agron. Rev. 15(2): 4-9. June 1943. 290.9 As73
- 3375 MORAN, T., JONES, C. R., and WEBB, F. C. The refining of partly charred or scorched dried potato slices. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 163-165. Oct. 1943. 382 M31
- 3376 MRAK, E. M. Technique for "golden bleach" raisins. Pacific Rural Press, North. Ed. 146: 172. Oct. 2, 1943. 6 P112
- 3377 PEARSON, P. B. Quality and vitamin content of dehydrated vegetables. Quick Frozen Foods 6(4): 42, 49. Nov. 1943. 389.8 Q4
- 3378 PEDERSON, C. S., and BEATTIE, H. G. Buffering effect of fruit juices. Food Res. 8: 405-408. Sept./Oct. 1943. 389.8 F7322
- 3379 PICKETT, B. S. Conserving the garden surplus. Fed. Garden Clubs of Iowa. Proc. 16. In Iowa State Hort. Soc. Trans. (1942) 77: 236-238. 81 Io9  
Storing and processing of fruits and vegetables.
- 3380 REAM, E. M. Dehydration of food. Agr. Student 50(2): 4, 13. Nov. 1943. 6 Ag84  
Method of dehydrating fruits and vegetables.
- 3381 ROSBOROUGH, J. F. The storage of shelled pecans. Peanut Jour. and Nut World 23(1): 61-63. Nov. 1943. 77.8 P313
- 3382 SAMISCH, ZDENKA. The blistering of olives during pickling. Hassadeh 23: 351-353. Sept. 1943. Ref. 26 H27  
Text in Hebrew.
- 3383 SOREER, D. G. Frozen pack pork and beans. West. Frozen Foods 4(11): 3-4, 9-10. Sept. 1943. 389.8 W523
- 3384 STEVENS, LOREN. Gilmer builds model canning center in Upshur County, Tex. East Tex. Chamber Com. East Tex. 18(3): 9, 16. Dec. 1943. 6 Ea73
- 3385 TARRANT, LYDIA. Store vegetables for winter use. Pa. Farmer 129(9): 20. Nov. 3, 1943. 6 P383
- 3386 VAN LEER, C. C., JR. "Sulphiting" is improving dried cabbage. Quick Frozen Foods 6(4): 40, 48. Nov. 1943. 389.8 Q4
- Statistics**
- 3387 ANALISIS de la estadística de la papa en los últimos años. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 6(26): 5-6, 7-8. Dec. 1942. 286.9 Ur82  
Domestic consumption, area cultivated, and production and yields.
- 3388 CARL, L. M. Commercial truck and fruit crop - 1942. Iowa Fruit Growers' Assoc. Proc. 31. In Iowa State Hort. Soc. Trans. (1942) 77: 55-56. 81 Io9  
Acreage and production figures are given for Iowa.
- 3389 LA ESTADÍSTICA general de porotos. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Mercados del Mundo 6(24): 9-10. Oct. 1942. 286.9 Ur82  
Data for area cultivated, production, and yields.
- 3390 LA PRODUCCIÓN de boniatos en el país. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 6(26): 9-11. Dec. 1942. 286.9 Ur82  
Data given for production, consumption, area cultivated, and yields.
- 3391 LA PRODUCCIÓN de uva y vino en el Uruguay. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 7(31): 2-8. May 1943. 286.9 Ur82  
Graphs and tables show production trends.
- 3392 VECHSLER, M. J. Chilean bean production, exports and prices. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 453. Dec. 4, 1943. 286.8 C16



## GRAIN AND GRAIN PRODUCTS

- 3393 EL ABASTECIMIENTO nacional de trigo. Rev. de Econ. [Mexico] 6(10): 8-9. Oct. 31, 1943. 280.8 R3293  
Brings out the inability of Mexico's wheat production to meet the country's needs and suggests an increase of production and maintenance of imports so far as this can be done without resulting in a lowering of prices.
- 3394 ALBERTS, H. W. Wheat in Peru. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3:233-235. Dec. 1943. 1 F752A  
Difficulties found in efforts to increase production.
- 3395 ANDERSON, J. A., BABBITT, J. D., and MEREDITH, W. O. S. The effect of temperature differential on the moisture content of stored wheat. Canad. Jour. Res. 21 (Sect. C): 297-306. Ref. 470 C16CD
- 3396 ANDERSON, J. A., AITKEN, T. R., and MEREDITH, W. O. S. The quality of western Canadian wheat. 1943 crop. Canada. Grain Res. Lab. Crop. Bul. 9, 22 p., processed. Ottawa, 1943. 298.9 C162
- 3397 BATH, T. H. Wheat trade in war-time; export surplus problems. Land [Sydney], No. 1654, p. 50, 64. Aug. 25, 1943. 23 L22
- 3398 BLACK, R. H. Cereal products and the war. Bakers' Helper 80(1000): 41, 48-49. Nov. 20, 1943. 389.8 B17  
Also in Mod. Miller 70(46): 11. Nov. 13, 1943. 298.8 M72
- 3399 BRUNINI, V. C. La calidad de la producción argentina de trigo; influencia del año agrícola, de la variedad de semilla y de la zona de cultivo. Argentina. Comisión Nac. de Granos y Elevadores. Pub. 53, 253 p. Buenos Aires, 1943. 286.81 Ar3P  
Examines such factors as protein content, baking and wheat strength, and kernel hardness in their relation to zone of cultivation and seed variety. Based upon a study of over 76,000 samples.
- 3400 CANADA. DOMINION BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. The macaroni and kindred products industry in Canada, 1942. 7 p., processed. Ottawa, 1943. 253 C3321  
Contains a list of firms reporting manufacture of such products.
- 3401 DICKSON, J. G. Malt research institute to evaluate new barleys. Amer. Brewer 76(11): 27-28. Nov. 1943. 390.8 Am3
- 3402 DINES, F. T. Gone is the Dust Bowl. Tex. Prog. 2(11): 7, 15. Nov. 1943. 280.8 T313  
Prospects for the wheat crop in Texas.
- 3403 \*EBACH, K. Bestimmung von getreidekeimen in vollkornpumpernickel und dunklen vollkornbrotten. Ztschr. f. Untersuch. der Lebensmtl. 83: 220-221. Mar. 1942.
- 3404 ESTADÍSTICA general del arroz. Uruguay. Min. de Canad. y Agr. Dir. de Agron. Secc. Econ. y Estadis. Agr. Mercados del Mundo 6(22): 18-20. Aug. 1942. 286.9 Ur82  
Statistical data on yields, area cultivated, and amount of production.
- 3405 FIVE foot shelf of books for flour men. Northwest. Miller 216(4): 4, 18, 20, 28, 41. Oct. 27, 1943. 298.8 N81
- 3406 GARNATZ, GEORGE. Quality problems of soft wheat flour. Northwest. Miller 216(10): 8a, 11a. Dec. 8, 1943. 298.8 N81
- 3407 GEDDES, W. F. Factors affecting the keeping quality of grain. Canad. Milling and Feed Jour. 24(11): 10-11. Nov. 1943. 298.8 C162
- 3408 GIBSON, L. H. The different classes of reductions. Northwest. Miller 216(6): 14a-16a. Nov. 10, 1943. 298.8 N81
- 3409 GLABAU, C. A. The baking characteristics of the 1943 Northwestern flour. Bakers Weekly 120(8): 30-32. Nov. 22, 1943. 389.8 B172
- 3410 GODWIN, F. W. Empleo industrial del maíz. (To be cont.) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1618): 6-8, 23, 25-26. Oct. 2, 1943. 287 B866  
Refers to the United States.
- 3411 \*HÖPPLER, F. Über das viscosimetrische Verhalten der maizextrakte. Ztschr. f. Untersuch. der Lebensmtl. 85: 54-59. Jan. 1943.
- 3412 KAUFFMAN, C. S. A controlled grain program. Presenting a picture of the total supply of all grains and estimating the demands and requirements of manufacturers and commercial processors for 1944 based upon use during the first seven months of 1943. Bakers' Weekly 120(7): 33-34. Nov. 15, 1943. 389.8 B172
- 3413 KLEIN, JACK. Imperial Valley's rice industry. Calif. Cult. 90: 567, 579. Nov. 13, 1943. 6 C12
- 3414 KNOWLES, DARLINE, and HARRIS, R. H. Observations on the behavior of starch gels from different classes and varieties of wheats. Food Res. 8: 409-419. Sept./Oct. 1943. 389.8 F7322
- 3415 LEAHY, J. F. What is wrong in the grain industry? Government domination; it is strangulation to free enterprise. Natl. Grain Jour. 27(11): 6, 30. Oct. 1943. 298.8 C83
- 3416 MADRAS. PEOPLE'S FOOD COMMITTEE. Rice position in Madras. Madras Jour. Co-op. 35: 76-84. Aug. 1943. 280.28 M26
- 3417 MALT RESEARCH INSTITUTE. Industrial evaluation of two barley varieties grown in 1940, 1941. Malt Res. Inst. Pub. II, III, 2 nos. Madison, Wis., 1942, 1943. 390.9 M29
- 3418 MILLER, E. S. Correlation of the ash of wheat and flour. Amer. Miller 71(12): 38-40. Dec. 1943. 298.8 Am32
- 3419 MONFORE, K. E. Federal inspection of flour, cereals. Northwest. Miller 216(6): 8a-9a, 12a-13a. Nov. 10, 1943. 298.8 N81
- 3420 MONFORE, K. E. U. S. Food and Drug Administration--its purposes and phases affecting flour millers. Assoc. Operative Millers Bul., Dec. 1943, p. 1316-1318. 298.9 As7
- 3421 MORTIMER, W. A., and ROOTE, A. R. Quality flour from various types of wheat, merits and demerits. Milling 101: 176. Oct. 9, 1943. 298.8 M622
- 3422 RIEBETH, ROME. Nationwide grain situation. Natl. Grain Jour. 27(11): 12, 31. Oct. 1943. 298.8 C83
- 3423 SKEOCH, L. A. Changes in Canadian wheat policy. Canad. Jour. Econ. and Polit. Sci. 9: 565-569. Nov. 1943. 280.8 C162
- 3424 SWANSON, C. O. The ash test in flour analysis. Northwest. Miller 216(6): 10a-12a. Nov. 10, 1943. 298.8 N81
- 3425 TRIGO; cómo utiliza Argentina el trigo que produce. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(10): 21-23. Oct. 1943. 286.8 M575  
Report by the Mexican Consul General in Buenos Aires discussing the Argentine wheat milling industry.
- 3426 U. S. FOOD DISTRIBUTION ADMINISTRATION. GRAIN PRODUCTS BRANCH. A controlled grain program. Pt. II, III. Bakers Weekly 120(8): 27-28; (9): 43-44, 54. Nov. 22, 29, 1943. 389.8 B172  
Prepared in cooperation with representatives of the milling industry.
- 3427 U. S. OFFICE OF PRICE ADMINISTRATION. Corn. Fed. Register 8: 16606-16619. Dec. 9, 1943. 169 F31  
2d Revised Maximum Price Regulation 346.
- 3428 U. S. OFFICE OF PRICE ADMINISTRATION. Corn meal, corn flour, corn grits, hominy grits, brewers grits and other products made by a dry corn milling process. Fed. Register 8: 16297. Dec. 3, 1943. 169 F31  
Maximum Price Regulation 305, Amend. 7.



3429 U. S. OFFICE OF PRICE ADMINISTRATION. Flour from wheat, semolina and farina sold by millers and blenders. Fed. Register 8: 15860. Nov. 23, 1943. 169 F31

Maximum Price Regulation 296, Amend. 9; Amend. 10 in Fed. Register 8: 16282. Dec. 3, 1943.

3430 U.S. OFFICE OF PRICE ADMINISTRATION. Oats, barley and grain sorghums. Fed. Register 8: 16527-16529. Dec. 8, 1943. 169 F31

Temporary Maximum Price Regulation 33.

3431 U. S. OFFICE OF PRICE ADMINISTRATION. Prepared flour mixes. Fed. Register 8: 15908. Nov. 24, 1943. 169 F31

Maximum Price Regulation 462, Amend. 1.

#### HONEY AND BEESWAX

3432 BERGERET, GUALBERTO, and CAMPIGLIA, PASCUAL. Elaboración de pan con miel de abejas. Chacra [Buenos Aires] 13(156): 58-60. Oct. 1943. 9 C34

3433 LANDER, H. A. Problem of honey importation. Amer. Bee Jour. 83: 456. Dec. 1943. 424.8 Am3

3434 OXBORROW, JED. Profit from bees. Agr. Leaders' Digest 24(9): 22. Nov. 1943. 275.28 Am3  
Tells about bee colonies kept by a high-school boy in Nevada.

3435 \*RAUSCHNING, SIEGFRIED. Zur untersuchung von kunsthonig auf zinkgehalt. Ztschr. f. Untersuch. der Lebensmtl. 84: 30-32. July 1942.

3436 RODRÍGUEZ, D. A. La miel de abeja y algunos de sus usos. Mundo Avícola 6(66): 44-48, 51-52, 58. Aug. 1943. 47.8 M92

3437 WYBLE, EUGENE. Gift packages aid comb honey sales. Amer. Bee Jour. 83: 455. Dec. 1943. 424.8 Am3

See also Apiculture and Apis Mellifera in Entomology section.

#### LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products

3438 BATTLES, O. V. Argentine livestock conditions as I saw them last August. West. Livestock Jour. 22(1): 92, 94. Nov. 15, 1943. 6 F2278

3439 BOICE, F. S. Problems of (beef cattle) producers. Amer. Cattle Prod. 25(7): 7-8, 10. Dec. 1943. 49 P94

3440 BULL, SLEETER. Our meat supply. Consumers' Res. Bul. 12(5): 16-17. Nov. 1943. 321.8 C76

3441 CRUTCHER, W. J. Greater animal fat production aids in tight supply situation. Natl. Provisioner 108(24): 16, 18. Dec. 11, 1943. 286.85 W21

3442 GARDEN, J. W. Pigmeat plan revised. Queensland Agr. Jour. 57: 252. Oct. 1943. 23 Q33

Guaranteed prices have been increased, the upper limit of weight range of baconer carcasses has been raised, and cost of wheat for feeding to pigs in dairying areas is to be reduced.

3443 GRAÑA, R., and DURANONA, E. El problema de la escasez de vientres. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 6(21): 14-17. July 1942. 286.9 Ur82

Analyzes cattle production in Uruguay and the problem of shortages owing to excessive slaughter of stock because of high prices obtainable.

3444 \*GRAU, R. Beiträge zur federzahl. III. Mitteilung. Der einfluss der fleischqualität auf die bestimmung des fremdwassers in brühwürsten. Ztschr. f. Untersuch. der Lebensmtl. 83: 111-122. Feb. 1942.

3445 \*HOSSE, ROLF. Über die ermittlung des zusatzes von leguminosen und cerealien in wüsten. Ztschr. f. Untersuch. der Lebensmtl. 85: 40-45. Jan. 1943.

3446 JOHNSON, D. G. The Meat Management Plan; its merits and its shortcomings. Iowa Farm Econ. 9(11): 12-13, 16. Nov. 1943. 275.28 Io92

3447 KANAGY, J. R., and WALLACE, E. L. Density of leather and its significance. U. S. Natl. Bur. Standards. Jour. Res. 31: 169-179. Sept. 1943. 157.88 J82

3448 MILLER, W. J. A livestock program. Shoe and Leather Rptr. 232(9): 9-10. Nov. 27, 1943. 303.3 Sh7

3449 MILLSON, W. A. D. Farm raised pork consumed at home requires no permit nor red stamps. South. Planter 104(12): 35. Dec. 1943. 6 So89

3450 MOURA, VALDIKI. Organização cooperativa da ovinocultura bahiana. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Secç. de Propaganda e Divulgação. Bol. 3, 35 p. Cidade do Salvador, Bahia, 1941. 280.29 B14

3451 MUCIOLO, PASCOAL. O abastecimento mundial de carnes no após-guerra. Rev. dos Criadores 14(13): 10-17. Sept. 1943. 43.8 R32

Factors involved in meat supply after the war. South America's important position.

3452 NATIONAL COMMERCIAL RABBIT ASS'N. Table rabbits in America. Amer. Small Stock Farmer 28(3): 4-5. Nov. 1943. 48.8 J82

3453 NOBLE, K. F. Meat situation in Australia. Canada. Dept. Trade and Com. Intel. Jour. 69: 451-452. Dec. 4, 1943. 286.8 C16

Production and supplies are noted.

3454 PEREIRA, L. R. P. O problema do bife. Bahia, Brazil. Cooperativa Inst. de Pecuária. Bol. 6(38): 6. Apr./June 1943. 49.9 B14

Discusses the problem of beef supply in Bahia State and the remedies needed.

3455 POLLOCK, R. C. Meat in the war and the post-war period. (Cont.) Colo. Wool Grower 9(9): 6, 8. Nov. 1943. 280.38 C71

3456 O PROBLEMA da carne; medidas tomadas pela Cooperativa Instituto de Pecuária e outros interessados sobre o momentoso problema que preocupa o Governo e população do Estado. Bahia, Brazil. Cooperativa Inst. de Pecuária. Bol. 6(38): 53-71. Apr./June 1943. 49.9 B14

A collection of documents related to the meat supply problem, including its causes and remedies. The latter contain data on cost of production and discuss the need for credit, transportation facilities, a rural cadaster law, regulation of the fresh meat market.

3457 LA PRODUCCIÓN de cueros de cabras y cabritos. La Res 11: 14.959-14.961. Sept. 20, 1943. 286.85 R31

Describes the types of skins found on the market, and possibilities of Argentina's developing such an industry.

3458 RAMOS, A. N. Batalha da produção. Bahia, Brazil. Cooperativa Inst. de Pecuária. Bol. 6(38): 1. Apr./June 1943. 49.9 B14

States that Bahia State should produce hogs on a large scale so that it may be independent of the meat market.

3459 RAMOS, A. N. O problema da carne. Bahia, Brazil. Cooperativa Inst. de Pecuária. Bol. 6(38): 9-10. Apr./June 1943. 49.9 B14

Solutions to the meat-supply problem.

3460 \*RAUSCHNING, SIEGFRIED. Über die colorimetrische bestimmung des kreatinens. Ztschr. f. Untersuch. der Lebensmtl. 84: 26-30. July 1942.

Applies to meat stock products.

3461 REED, H. E. The [U. S.] War Meat Board and what it is doing. Meat 19(4): 12, 31-32. Nov. 1943. 286.85 M464

3462 REEVES, FRANK. Mules and horses for Uncle Sam. Westerner 6(10): 17, 20, 29, 33, 36-37, 40-41. Nov. 1943. 49 W522



3463 SALES, APOLONIO. Evidencia da contribuição econômica da pecuária. Bahia, Brazil. Cooperativa Inst. de Pecuária. Bol. 6(38): 18. Apr./June 1943. 49.9 B14

The importance and future of the livestock industry in Brazil.

3464 SHAW, WILLIAM. Meat for a world at war; how the packing industry met the challenge of emergency. West. Livestock Jour. 22(1): 34, 36. Nov. 15, 1943. 6 F2278

3465 \*VOLOVIČ, M. Vergleichende untersuchungen über die pH messung im fleisch. Ztschr. f. Fleisch- u. Milchhyg. 52: 15-18. Oct. 15, 1941.

3466 WENTWORTH, E. N. Europe's post-war meat. Amer. Cattle Prod. 25(6): 10, 12-13. Nov. 1943. 49 P94

Prospects for the post-war livestock industry in Europe.

3467 WERTZ, V. R., and others. Hog producers puzzled by supply and demand problems. Ohio Farm Bur. News 23(4): 22. Nov. 1943. 6 Oh34

G. W. Miller, L. H. Barnes, and Floyd DeLashmuth, joint authors.

#### Distribution, Marketing, and Transportation

3468 ANDRADE, A. V. de. Porco grande ou pequeno? Chacaras e Quintais 68: 88-89. July 15, 1943. 9.2 C34

3469 CONNETT, HAROLD. Joint hide buying program of the United States and the United Kingdom. Leather Mfr. 54: 215, 218. Nov. 1943. 303.8 L484

3470 GLASS, I. R. Contraction of raw material supplies at foreign sources. Leather Mfr. 54: 213-214. Nov. 1943. 303.8 L484

Tendencies in the world hide and skin market.

3471 JONES, O. E. The outlook on meat. Super Market Merchandising 8(10): 83. Oct. 1943. 389.8 Su7

3472 LOLLAR, E. M., and O'FLAHERTY, FRED. Leather research points to postwar markets. Chemist 20: 505-507. Nov. 1943. 381 C427

3473 McCULLOUGH, W. B. Agricultural notes from Argentina. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 368-370. Nov. 6, 1943. 286.8 C16

Trade figures and livestock sales in Argentina and sheep prices in Patagonia.

3474 MANN, L. B. The future of livestock co-ops. Coop. Digest 4(6): 34, 35. Dec. 1943. 280.28 C7896

3475 MONTGOMERY, G. A. What's ahead for cattle? With numbers at all-time peak will beef producers reduce herds on currently strong market or wait for after-war price slump. Capper's Farmer 54(12): 7, 46. Dec. 1943. 6 M693

3476 VILLARES, J. B. Touros frios e vacas maminhas em face da lei. São Paulo, Brazil. Sec. da Agr., Indus. e Com. Depto. da Produção Animal. Bol. de Indus. Animal (n.s.) 6(1/2): 84-91. Jan./Apr. 1943. 49 F324

The legal position of buyers and sellers in transactions involving these animals.

3477 WELLS, R. A. Effects of the war on United States imports of leather. Shoe and Leather Rptr. 232(9): 13-14. Nov. 27, 1943. 303.8 Sh7

3478 WILEY, F. D. The future of livestock co-ops. Coop. Digest 4(6): 34, 35. Dec. 1943. 280.28 C7896

#### Grading, Inspection, Standardization, and Quality

3479 FALCIONI, A. C. Algunos elementos de juicio para facilitar la clasificación y tipificación de las reses bovinas de carnicería. Res 11: 14. 1947-14. 952. Sept. 20, 1943. 286.85 R31

Also in Rev. de Med. Vet. [Buenos Aires] 24: 233-245, May/June 1943. 41.8 B86

3480 \*SCHONBERG, F. Über die zuverlässigkeit der histologischen wurstuntersuchung. Ztschr. f. Fleisch- u. Milchhyg. 52: 54-56. Dec. 1, 1941.

3481 \*SCHONBERG, F. Zur ausführung des fleisch-beschaugesetzes und andere tagesfragen; die beurteilung notgeschlachteter tiere im kriege. Ztschr. f. Fleisch- u. Milchhyg. 52: 11-12. Oct. 1, 1941.

#### Industrial Utilization

3482 LOZANO, F. R. La industrialización de la ganadería como una defensa económica de la misma ante la sobreproducción. Granja [Guadalajara] 11: 182. Oct. 1943. 15.5 G76

Argentina's example in developing industrialization of livestock products is cited and Mexico's possibilities in the field noted.

3483 O'FLAHERTY, FRED. Research developments and the leather industry. Leather Mfr. 54: 216. Nov. 1943. 303.8 L484

3484 SIMONSON, O. V. Hide glue for tub sizing. Paper-Maker and Brit. Paper Trade Jour. 106: TS29-TS30. Oct. 1943. 302.8 P1922

#### Prices, Price Control, and Rationing

3485 BOWER, R. P. Newfoundland food control regulations. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 437. Nov. 27, 1943. 286.8 C16

Price control of meat.

3486 CROWLEY, J. T. The basis of meat rationing. Super Market Merchandising 8(10): 58-59, 62. Oct. 1943. 389.8 Su7

3487 KEELER, D. W. [Work of OPA in regulating prices of hides and leather.] Shoe and Leather Rptr. 232(6): 45-47. Nov. 6, 1943. 303.8 Sh7

3488 \*LANGENHEIM, KONRAD. Das hausschlacht-ungeschwein der werkküche. Germany. Reichsanhr-stand. Marktbericht, Ausgabe H, No. 32, p. 350-354. Aug. 7, 1942.

Considers whether keeping of hogs for home slaughter pays, from the point of view of food rationing rather than of cost.

3489 MEINBERG, IRIS. Ausencia de um plano para solução dos problemas pecuários. Rev. dos Criadores 14(13): 8-9. Sept. 1943. 43.8 R32

Emphasizes the importance of guaranteeing a profitable price to producers for their livestock.

3490 MOLLIN, F. E. We need a food program. West. Livestock Jour. 22(1): 19, 108. Nov. 15, 1943. 6 F2278

Deals chiefly with the livestock industry and price ceiling on meat.

3491 MORRISSEY, W. J. Cattle ceiling an upset to beef men. Amer. Hereford Jour. 34(13): 14-15. Nov. 1, 1943. 43.8 Am32

3492 MORRISSEY, W. J. Uncertainty confuses cattle feeders. Amer. Hereford Jour. 34(14): 10, 142, 143. Nov. 15, 1943. 43.8 Am32

On ceilings and control of livestock.

3493 POTTER, E. L. OPA dressed meat ceilings, subsidies to slaughterers, comparable live animal values. Calif. Wool Grower 19(46): 4-6. Nov. 16, 1943. 45.8 C12

3494 RILEY, BOB. Cattle price "ceiling" proves to be a subsidy "directive," and trade waits to see what December first will bring. N. Mex. Stockman 8(11): 8-9. Nov. 1943. 49 N462

3495 SHEPHERD, GEOFFREY. Controlling hog prices during the transition from war to peace. Jour. Farm Econ. 25: 777-792. Nov. 1943. 280.8 J822

3496 SOCIEDAD NACIONAL DE AGRICULTURA. El retroceso de la ganadería nacional es un peligro para la independencia económica del país; declaraciones de la Sociedad Nacional de Agricultura. Agrario [Santiago, Chile] 8(320): 4, 14. July 31, 1943. 9.3 Ag85

A presentation of data to show the consequences of fixing a uniform price for Argentine and Chilean meat and brief presentation of a livestock policy for Chile. Elimination of the fixed price and free competition of both meats on the Chilean market is urged.



## 3497 U. S. OFFICE OF PRICE ADMINISTRATION.

Beef and veal carcasses and wholesale cuts. Fed. Register 8: 15527-15528. Nov. 13, 1943. 169 F31  
Revised Maximum Price Regulation 169, Amend. 33; Amend. 34 in Fed. Register 8: 16290-16293, Dec. 3, 1943; Amend. 35 in Fed. Register 8: 16600, Dec. 9, 1943.

## 3498 U. S. OFFICE OF PRICE ADMINISTRATION.

Certain sausage items at wholesale. Fed. Register 8: 16597-16600. Dec. 9, 1943. 169 F31  
Maximum Price Regulation 389, Amend. 10.

## 3499 U. S. OFFICE OF PRICE ADMINISTRATION.

Dressed hogs and wholesale pork cuts. Fed. Register 8: 15609. Nov. 16, 1943. 169 F31  
Revised Maximum Price Regulation 148, Amend. 13; Amend. 14 in Fed. Register 8: 16426, Dec. 7, 1943.

## 3500 U.S. OFFICE OF PRICE ADMINISTRATION. Gela-

tine. Fed. Register 8: 16161. Nov. 30, 1943. 169 F31  
Maximum Price Regulation 362, Amend. 1.

## 3501 U. S. OFFICE OF PRICE ADMINISTRATION. Re-

tail ceiling prices for kosher beef, veal, lamb and mutton cuts and all variety meats and edible by-products. Fed. Register 8: 15609. Nov. 16, 1943. 169 F31  
Maximum Price Regulation 394, Amend. 5.

## 3502 U. S. OFFICE OF PRICE ADMINISTRATION. Re-

tail ceiling prices for pork cuts and processed meat products. Fed. Register 8: 15670-15673. Nov. 17, 1943. 169 F31  
Maximum Price Regulation 336, Amend. 9.

## 3503 U. S. OFFICE OF PRICE ADMINISTRATION. Var-

iet meats and edible by-products at wholesale. Fed. Register 8: 15461. Nov. 11, 1943. 169 F31  
Maximum Price Regulation 398, Amend. 3.

## 3504 VERAL, S. E. Selling more meat under ra-

tationing. Butchers' Advocate 114(19): 15. Nov. 10, 1943. 286.85 B97  
Advocates sale of table-ready and extender meats, because they permit consumer to buy more pounds per weekly meat ration.

## 3505 VINSON, F. M. Price ceilings on beef.

West. Livestock Jour. 22(1): 21, 110, 111, 112, 113. Nov. 15, 1943. 6 F2278

## 3506 WALLACE, W. D. United States ceiling

prices for live cattle. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 385-387. Nov. 13, 1943. 286.8 C16

Processing and Storage

## 3507 BERRY, ROMEYN. Getting set for winter

breakfasts. Amer. Agr. 40(24): 1, 3. Nov. 20, 1943. 6 Am3  
Home conservation of pork and pork byproducts.

## 3508 COOMBS, F. A. Finishing of leather.

Leather Mfr. 54: 188-189. Oct. 1943. 303.8 L484  
Discussion of water solubles as factors in drying leather.

## 3509 COVER, SYLVIA. Effect of extremely low

rates of heat penetration on tendering of beef. Food Res. 8: 388-394. Sept./Oct. 1943. 389.8 F7322

## 3510 CURTIDO y preparaci3n casera de las pieles.

C3m. Mercantil de Productos del Pa3s, Montevideo, Uruguay. Rev. Semanal 49(28-29): 9, 11; 6, 8, 9. July 23, 30, 1943. 287 Ur82

## 3511 GANE, R. Dried meat. III. The water rela-

tions of air-dried, pre-cooked beef and pork. Soc. Chem. Indus. Jour. 62: 139-140. Sept. 1943. 382 M31  
3512 GLICKMAN, D. Home pelt dressing not so easy. Poultry Farmer [London] 109(2836): 11. Oct. 29, 1943. 47.8 F312

## 3513 HARVEY, A. Notes on recent tannery sci-

ence. Leather World 35: 734. Nov. 11, 1943. 303.8 L482

## 3514 HILBERT, F. L. The technology of tanning.

Pt. 2--The art and science of leather making. Ch. 3 --Beamhouse practice. (Cont.) Hide and Leather and Shoes 106(21): 34-37. Nov. 13, 1943. 303.8 H53

## 3515 HOWES, E. W. How to save food. West.

Livestock Jour. 22(1): 133, 134. Nov. 15, 1943. 6 F2278  
Methods of freezing and storing meat for home consumption.

## 3516 JENSEN, L. B. Action of hardwood smoke on

bacteria in cured meats. Food Res. 8: 377-387. Sept./Oct. 1943. 389.8 F7322

## 3517 KERR, M. H. Butchering and curing of pork

on the farm. New England Homestead 116(22): 5, 10, 12. Nov. 13, 1943. 6 N442

## 3518 KERR, M. H. Home curing and processing

of meats. New England Homestead 116(23): 2-3. Nov. 27, 1943. 6 N442

## 3519 \*KLEKNER, HELENE. Die salpeterbehandlung

der fleischwaren. Ztschr. f. Untersuch. der Lebensmtl. 83: 97-111. Feb. 1942. 3520 LASSETTER, W. C. Some rules for meat curing. Prog. Farmer, Car.-Va. Ed. 58(12): 16. Dec. 1943. 6 P945

Also in: Prog. Farmer, Miss.-Ark.-La. Ed. 58(12): 16. Dec. 1943. 6 So81

## 3521 \*LERCHE, M., and FRITZ, H. Zuckerkombi-

nate (dryosekrystallpur) als p3kelwerkstoff von fleischwaren. Ztschr. f. Untersuch. der Lebensmtl. 85: 124-145. Feb. 1943. 3522 MERRY, E. W. Wartime control in the

tannery. Part IV. Leather World 35: 732-733. Nov. 11, 1943. 303.8 L482

Discusses problems of leather drying and effects of temperature changes on the properties of finished leather.

3523 MOTTA, J. F. da. A recupera33o do sal das salmouras nas charqueadas. Rev. Agron. [Porto Alegre, Brazil] 7: 304. June 1943. 912 R325

On re-use of salt after preparation of salt meat. 3524 NAUDE, SUSANN. Housewives and the meat problem. Union So. Africa. Dept. Agr. and Forestry

Publicity Ser. 168, 2 p. Pretoria, 1943. 24 So82P Includes care and storage of meat.

3525 PEUEBAS hechas con el nuevo sistema R. B. T para la salaz3n de cueros. Res 11: 14.962. Sept. 20, 1943. 286.85 R31

3526 STEPHENS, CHARLES. Controlled leather drying. Leather World 35: 736. Nov. 11, 1943. 303.8 L482

3527 STEVENS, H. M. Faith Farm's rabbit packing plant. Fur Trade Jour. of Canada 21(3): 62, 64. Nov. 1943. 410 F965

3528 SURVEY made by Meat Merchandising, reveals imminent danger of serious food spoilage; retailers report urgent need for refrigeration supplies to prevent loss of perishable food products. Meat Merchandising 19(11): 20-21, 23, 44. Nov. 1943. 286.85 M462

3529 WATSON, M. A. The history and economics of cattlehide leather tanning. Ch. III--Domestic cattlehide supplies. (Cont.) Hide and Leather and Shoes 106(21): 21-22, 37-38, 40-41; (22): 20-23. Nov. 13, 20, 1943. 303.8 H53

Also in Shoe and Leather Rptr. 232(8): 13-15. (Cont.) Nov. 20, 1943. 303.8 Sh7

3530 ZAROTSCHENZEFF, M.T. Freezing boneless lamb in Argentina. Food in Canada 3(11): 24, 26, 28. Nov. 1943. 389.8 F7323

## OILS AND OILSEEDS

## 3531 \*AHLFELD, HUGO. Fortschritte im 81-

fruchtanbau in Mittel-, Nord- und Westeuropas. (Cont.) S3dost Echo 12(25): 5-6. June 18, 1943. 3532 ANDERSON, J. H. The shellers' problem in

a "sea of oil." Natl. Peanut Council Year Book 1943: 17-21. n. p., 1943? 77.9 H21

What the growing of peanuts for oil production means to the shellers.



- 3533 ARAUJO JOR., C. E. M. de. Atualidade dos oleos e gorduras vegetais. *Ciencia* 4: 120-123. Oct. 20, 1943. 475 O48  
Production and utilization of vegetable oils and fats.
- 3534 BARTLETT, MARK. Tung oil co-op fills a vital need. *News for Farmer Coop.* 10(8): 18. Nov. 1943. 166.2 M47  
Development and activities of the Ozone Tung Oil Producers Cooperative Association.
- 3535 BERMAN, MATTHEW. Caramels plus soya flour. *Confectioners Jour.* 69(827): 5,22. Dec. 1943. 389.8 C76
- 3536 BOEHM, ERICH, and WILLIAMS, REGINALD. The prevention of autoxidative rancidity in fats and oils. *Pharm. Jour.* 151: 163-164. Oct. 30, 1943. 396.8 P49
- 3537 BRANDT, JOHN. Brandt hits untrue oleo propaganda. [Excerpts,] *Jersey Bul.* 62: 1334, 1336. Nov. 5, 1943. 43.8 J48
- 3538 BUNNELL, D. J. The soybean processing industry--yesterday and today. *Seed World* 54(10): 16, 42. Nov. 19, 1943. 61.8 Ss52
- 3539 CANADIAN sunflower seed oil. *Canad. Food Packer* 14(11): 16. Nov. 1943. 286.83 O166
- 3540 CHRISTOPHERSEN, RICARDO. La producción de aceites comestibles en el Uruguay. *Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo* 6(24): 2-3. Oct. 1942. 286.9 Ur82  
Discusses imports and production of edible oils, production of oilseeds, and utilization of byproducts. Tables are appended, p. 3-5.
- 3541 CLAY, H. J. Peanut butter price roll-back and suspension of peanut food absorbing trade attention. *Peanut Jour. and Nut World* 23(1): 27-28. Nov. 1943. 77.8 P313
- 3542 CRONE, RUTH. German supplies of edible fats - The candle isn't burned at both ends - yet. *U. S. Dept. Com. Foreign Com. Weekly* 13(6): 8-9, 26-27. Nov. 6, 1943. 157.54 F763  
Discusses oilseeds production in European countries and the supply situation compared with 1914-18.
- 3543 CRUESS, W. V. Notes on grape seed oil and tannin. *Wines & Vines* 24(11): 31-33. Nov. 1943. 95.8 C122
- 3544 DEJOIE, LOUIS. Oil of sweet basil hayti. *Drug and Cosmetic Indus.* 53: 510-511, 579-581. Nov. 1943. 396.8 D842
- 3545 DOIG, J. L. White bread, the big market for soy. *Soybean Digest* 4(1): 5. Nov. 1943. 60.38 So9
- 3546 ESTADÍSTICA general del manf. Uruguay. *Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo* 6(22): 13-15. Aug. 1942. 286.9 Ur82  
Statistics on production, area cultivated, and yields.
- 3547 FITELSON, J. Detection of olive oil in edible oil mixtures. *Assoc. Off. Agr. Chem. Jour.* 26: 499-506. Nov. 15, 1943. 381 As7
- 3548 FITELSON, J. The occurrence of squalene in natural fats. *Assoc. Off. Agr. Chem. Jour.* 26: 506-511. Nov. 15, 1943. 381 As7
- 3549 FRANKS, GASTON. They grow soybeans in Oklahoma. *Soybean Digest* 4(1): 7. Nov. 1943. 60.38 So9
- 3550 GILLILAND, C. B. Plan to support peanut prices by crushing is popular. *Natl. Peanut Council Year Book* 1942: 67-70. n. p., 1943? 77.9 N21  
Review of the U. S. Department of Agriculture's Peanut Marketing Program, its achievements in the past, plans for the coming year, and its relation to the war effort.
- 3551 EL GIRASOL. Uruguay. *Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Mercados del Mundo* 6(24): 6-8. Oct. 1942. 286.9 Ur82  
Trends in production discussed with statistical data for area cultivated, production, and yields.
- 3552 \*GROSSFELD, J. Über bestimmung des freien und gebundenen fettes in lebensmitteln, insbesondere in trockengelb. *Ztschr. f. Untersuch. der Lebensmittel.* 83: 322-334. Apr. 1942.
- 3553 GUENTHER, ERNEST. Characteristics and uses of oil of olibanum. *Amer. Perfumer and Essential Oil Rev.* 45(11): 41-43. Nov. 1943. 308.8 Am3
- 3554 GUENTHER, ERNEST. A survey of American and European peppermint oils. Part II. *Mfg. Confectioner* 23(11): 18-19. Nov. 1943. 389.8 M31
- 3555 HOWELL, L. D. Internal trade barriers for margarine. *Jour. Farm Econ.* 25: 793-806. Nov. 1943. 280.8 J822
- 3556 KESSLER, J. J. Soybean oil in paints and varnishes. *Soybean Digest* 4(1): 4-5. Nov. 1943. 60.38 So9
- 3557 KIRBY, AMOS. The cotton cow and the dairy farmer. *Moos* 4(4): 6, 10. Nov. 1943. 44.8 M78  
Composition of margarine made from cottonseed oil.
- 3558 KNOX, LILLIAN. Proof of inroads oleo is making; what happens here [in Missouri] happens all over country. *Jersey Bul.* 62: 1326. Nov. 5, 1943. 43.8 J48
- 3559 KRAEMER, E. A., SMITH, B. A., and BAILEY, A. E. Modification of vegetable oils. II. A cocoa butter substitute from cottonseed oil. *Oil & Soap* 30: 235-240. Nov. 1943. 307.8 J82
- 3560 LAUCKS, I. F. Soybean adhesives. *Chemurg. Digest* 2: 173, 175-176, 185-188. Oct. 30, Nov. 15, 1943. 381 M213Na
- 3561 LINDER, TOM. Peanuts. *Peanut Jour. and Nut World* 23(1): 31. Nov. 1943. 77.8 P313  
General discussion, with production statistics.
- 3562 LIPS, A., CHAPMAN, R. A., and McFARLANE, W. D. The application of the ferric thiocyanate method to the determination of incipient rancidity in fats and oils. *Oil & Soap* 20: 240-243. Nov. 1943. 307.8 J82
- 3563 LUCKENBILL, T. D. Promotion of the consumption of peanuts and peanut products on a national scale. *Natl. Peanut Council Year Book* 1942: 57-61. n. p., 1943? 77.9 N21  
Suggestions for a publicity program.
- 3564 MANCHESTER, HARLAND. Here's why there's nothing to spread on your bread. *Reader's Digest* 43(260): 49-52. Dec. 1943. 110 R  
Discriminatory regulations against the manufacture and use of oleomargarine.
- 3565 \*\*MANJUNATH, B. L. Castor oil and its utilization. *J. Sci. & Ind. Research (India)* 1, 225-33 (1943).  
Noted in *Chem. Abs.* 37: 6918. Nov. 20, 1943. 381 Am33C
- 3566 MANJUNATH, B. L. Castor oil and its utilization, with special reference to the textile industry. *Indian Textile Jour.* 54(637): 33. Oct. 1943. 304.8 In2
- 3567 MARSHALL, C. F. Soy flour. *Soybean Digest* 4(1): 6-7. Nov. 1943. 60.38 So9
- 3568 MELOY, G. S. Oil and protein content of cottonseed affected by defoliation, drought, frost. *Cotton and Cotton Oil Press* 44(23): 14-16. Nov. 6, 1943. 304.8 C822
- 3569 MITCHELL, H. R. Hydrogenated fats. Part 1. *Food Manufacture* 18: 369-373. Nov. 1943. 389.8 F736
- 3570 MAHAL, S. M. Observations on castor oil. *Indian Textile Jour.* 53(635): 358. Aug. 1943. 304.8 In2
- 3571 PARRISE, R. E. Peanuts in the national defense. *Natl. Peanut Council Year Book* 1942: 99-102. n. p., 1943? 77.9 N21  
On food and other uses for peanuts.



3572 PATTON, C. S. The truth about the attack on butter. Creamery Jour. 54(12): 8, 30. Dec. 1943. 44.8 C86

The attempt to repeal the Federal tax on margarine is discussed.

3573 PAULSEN, E. F. Estudio sobre la composición química de la semilla y torta de semilla de algodón. Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.) 1941: 265-272. 1942. 9 J82

In collaboration with Edgardo J. Pécora and José Abitbol.

3574 PAYNE, D. S. Peanut oil - its chemical and physical properties, present uses, and possibilities for extended uses. Natl. Peanut Council Year Book 1942: 103-106. n. p., 1943? 77.9 N21

3575 PETKE, F. E., and ALLEN, C. H. Present day use of natural oils and resins in printing inks. Chem. Indus. 53: 502-504. Oct. 1943. 381 C426

3576 PRINDEVILLE, C. T. The fats and oils situation - its relation to the paint and varnish industry. Paint, Oil and Chem. Rev. 106(10): 66-69. Nov. 4, 1943. 306.8 P16

3577 PRODUCCIÓN de aceite comestible en la República de la Argentina. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(10): 16-17. Oct. 1943. 286.8 M575

Report by the Mexican Consul General in Buenos Aires, surveying the development of the industry.

3578 RICHARDS, W. H. The confectioners' angle. Natl. Peanut Council Year Book 1942: 25-27. n. p., 1943? 77.9 N21

Chiefly on price of peanuts.

3579 ROSE, W. G., and JAMIESON, G. S. Licania arborea (cacaaduananche) seed oil. Oil & Soap 20: 227-231. Nov. 1943. 307.8 J82

3580 SÁENZ HINOJOSA, JULIÁN. Aceites esenciales - su destilación. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(10): 12-16. Oct. 1943. 286.8 M575

Discusses various Mexican essential oils and their distillation.

3581 \*SCHLOEMER, A., and SCHINK. Eine neue methode der fettbestimmung in fettreichen fettzubereitungen. Ztschr. f. Untersuch. der Lebensmtl. 84: 202-206. Sept. 1942.

3582 \*SCHLOEMER, A., and RAUCH, K. Neue methoden der fettbestimmung in lebensmitteln. Ztschr. f. Untersuch. der Lebensmtl. 83: 289-305. Apr. 1942.

3583 SESSIONS, L. H. The problems of the peanut butter industry. Natl. Peanut Council Year Book 1942: 29-32. n. p., 1943? 77.9 N21

3584 SHUEY, P. M. The determination of free fatty acids in the oil extracted from cottonseed. Oil & Soap 20: 244-245. Nov. 1943. 307.8 J82

3585 STEVENS, ED. The crushers' big job. Natl. Peanut Council Year Book 1942: 23-24. n. p., 1943? 77.9 N21

Possibilities of crushing peanuts in cottonseed crushing mills.

3586 STUCKEY, H. P. What peanuts mean to the South. Natl. Peanut Council Year Book 1942: 45-49. n. p., 1943? 77.9 N21

Discusses effect of handling peanuts in the field on quality of nuts and oil, peanut acreages, yields and uses, and uses for peanut meal.

3587 TURK, AMOS, DAWSON, J. W., and SOLOWAY, SAUL. Synthesis of conjugated fatty oils: Selenium dioxide oxidation and subsequent dehydration. Amer. Paint Jour. 28(9): 16, 18, 20. Nov. 29, 1943. 306.8 Am32

3588 UNION OF SOUTH AFRICA. DEPARTMENT OF AGRICULTURE AND FORESTRY. Soya beans in South Africa. Union of So. Africa. Dept. Agr. and Forestry. Bul. 240, 58 p. Pretoria, 1943. 24 So84P

Production, prices, use as feed, nutritional value, recipes, and industrial utilization.

3589 U. S. OFFICE OF PRICE ADMINISTRATION. Fats and oils. Fed. Register 8: 15523. Nov. 13, 1943. 169 F31

Maximum Price Regulation 53, Amend. 8; Amend. 9 in Fed. Register 8: 15670. Nov. 17, 1943.

3590 VALEBREGUE, GEORGES. The production of oil from grape seeds. Wines & Vines 24(11): 24. Nov. 1943. 95.8 C122

3591 WARD, A. L. Texas mills now receiving soy beans: early relief in sight for Southwest livestock growers: careful use urged. N. Mex. Stockman 8(11): 4. Nov. 1943. 49 N462

3592 WEEKS, DICK. Emergency programs on peanuts. Natl. Peanut Council Year Book 1942: 33-37. n. p., 1943? 77.9 N21

Discusses the problems of ample seed supply, machinery, and warehouse facilities.

3593 WOODRUFF, J. G., and CECIL, S. R. Studies with peanuts and peanut products [at the Georgia Experiment Station]. Natl. Peanut Council Year Book 1942: 107-115. n. p., 1943? 77.9 N21

Studies include the effect of handling peanuts in the field on the quality of nuts and oil, storage of peanut oil and peanut butter, roasting peanuts in different kinds of oils, and uses for peanuts and peanut oil.

#### POULTRY AND POULTRY PRODUCTS

3594 BARCO, G. F. Conservación de huevos en la chacra. Esnea 30(1260): 2. Oct. 3, 1943. 44.8 Es5

3595 BARCO, G. F. La cooperación entre los avicultores. Pampa Argentina 17(193): 1, 19. Sept. 1943. 9 P19

3596 BERNARDÓN, JUAN. Producción y comercio de huevos en el país. Campo [Buenos Aires] 27(322): 14-15, 53. Aug. 1943. 9 C15

3597 BROOKS, J. Dried egg. III. The relation between water content and chemical changes during storage. Soc. Chem. Indus. Jour. 62: 137-139. Sept. 1943. 382 M31

3598 BROOKS, J., and HAWTHORNE, J. R. Dried egg. IV. Addition of carbohydrates to egg pulp before drying. A method of retarding the effects of storage at high temperatures and of improving the aerating power of spray-dried egg. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 165-167. Oct. 1943. 382 M31

3599 CARVALHO, J. N. de. A CACEC - esforço de guerra. Ceará, Brazil. Sec. da Agr. e Obras Públicas. Depto. Estadual de Cooperativismo. Cooperação 2(10): 5-6. Apr. 1943. 280.28 C781

Discusses the establishment of the Cooperativa Avícola Central do Estado do Ceará.

3600 CAVERS, J. R. Dressing poultry on farm profitable when birds are of satisfactory quality. Weekly Market News and Mod. Farmer [Winnipeg] 21(45): 5. Nov. 10, 1943. 286.81 G762A

3601 CLEVELAND, CARLETON. Talking turkey. D and W 42(11): 9, 50-51. Nov. 1943. 288.8 T68

Story of turkey raising, processing, and marketing as carried out by Folly Turkey Farm, Trevor, Wis.

3602 DARRAH, L. B. Where are layers? [N. Y.] Otsego Co. Farm and Home Bur. News 27(11): 3. Nov. 1943. 275.293 N. Y., Otsego Co.

Number of layers in three leading counties in New York State.

3603 FINNEY, F. P. The poultry industry's year in review. Land [Sydney], No. 1654, p. 61-63. Aug. 25, 1943. 23 L22

3604 FITZGERALD, D. A. 1944 poultry goals. Hatchery Tribune 17(11): 17, 19. Nov. 1943. 47.8 H28

3605 FLOREA, J. H. An analysis which forecasts how many chicks for '44? Hatchery Tribune 17(11): 11, 28. Nov. 1943. 47.8 H28

3606 GARLOUGH, J. P. A sales analysis for the 1944 (hatchery) season. Hatchery Tribune 17(11): 15, 32. Nov. 1943. 47.8 H28



- 3607 GIBBONS, N. E., and FULTON, C. O. Dried whole egg powder. VII. Effect of temperature and moisture on the bacterial content of liquid and dried egg. *Canad. Jour. Res.* 21 (Sect. D): 332-339. Ref. 470 C16GD
- 3608 GRAVES, MAXINE. Poultry profitable to lockermen. *Locker Operator* 5(4): 21-22. Nov. 1943 295.8 L79
- 3609 GUSLER, GILBERT. Market outlook for turkeys. *Ohio Farmer* 192(10): 14. Nov. 20, 1943. 6 Oh3
- 3610 GUTHRIE, A. J. 20 hatcherymen express opinions and give views on chick prices; OPA attitude on ceilings reported. *Hatchery Tribune* 17(11): 12, 46-48. Nov. 1943. 47.8 H28
- 3611 HAWTHORNE, J. R. Dried egg. II. The effect of moisture content on the initial quality of spray-dried whole egg and deterioration during storage. *Soc. Chem. Indus. Jour.* 62: 135-137. Sept. 1943. 382 M31
- 3612 HUNTINGTON, H. I. After the war .. who will eat them? *Poultry Tribune* 49(11): 9, 35, 36, 37, 38. Dec. 1943. 47.8 P8642
- Post-war markets for poultry products.
- 3613 JULL, M. A. Can broiler producers solve their own poultry problems. *Peninsula Broiler Jour.* 3(14): 1, 2. Nov. 15, 1943. 47.8 P37
- 3614 JULL, M. A. Tells how broiler industry can be equitably stabilized. *Peninsula Broiler Jour.* 3(13): 1, 4. Nov. 1, 1943. 47.8 P37
- 3615 KAUPP, B. F. Turkeys pay a profit. *Pacific Poultryman* 47(11): 7. Dec. 1943. 47.8 P113
- Weight, cost and profit of 1800 turkeys on farm of Scherber Brothers, in the Northwest.
- 3616 LUCAS, J. D. Poultry profits grow when you follow these rules. *Prog. Grocer* 22(11): 42-44, 81-82. Nov. 1943. 286.29 P94
- Handling and display of poultry in the meat market.
- 3617 MOORE, O. K. A tribute to five million poultrymen. *Poultry Tribune* 49(11): 22, 32. Dec. 1943. 47.8 P8642
- Contribution of the poultry industry to the war effort.
- 3618 NUTTER, M. K., LOCKHART, E. E., and HARRIS, R. S. The chemical composition of depot fats in chickens and turkeys. *Oil & Soap* 20: 231-234. Nov. 1943. 307.8 J82
- 3619 ODERKIRK, O. D. The war and post war possibilities (in the poultry industry). *Prod. Packer* 23(46): 4. Dec. 13, 1943. 286.85 P94
- 3620 LAS PLUMAS, importante subproducto avícola. *Mundo Avícola* 6(65): 34, 36-38. July 1943. 47.8 M92
- Uses of feathers.
- 3621 R., H. F. A cooperativa agricola de Cotia e a avicultura de S. Paulo. *Rev. dos Criadores* 14(13): 77. Sept. 1943. 43.8 R32
- A report of the cooperative's operations.
- 3622 REEDMAN, E. J. The production of canned precooked chicken. *Canad. Jour. Res.* 21 (Sect. D): 324-331. Ref. 470 C16GD
- 3623 REID, E. B. Scrambled eggs on every fighting front. *News for Farmer Coop.* 10(8): 9-10. Nov. 1943. 166.2 N47
- Contribution of Washington Cooperative Egg and Poultry Association to the war effort.
- 3624 RISHER, F. W. Poultry feed prices and ratio of feed prices to hen, fryer and egg prices, 1934 to 1943. *Fla. Dept. Agr. For Sale, Want and Exchange Bul.* 1(4): 1. Nov. 15, 1943. 280.38 F74
- 3625 ROHDE, C. E. They hatch out extra profits. *Successful Farming* 41(12): 26, 80, 81. Dec. 1943. 6 S12
- Production and marketing of hatching eggs.
- 3626 RUMBALL, P. The storage of eggs. *Queensland Agr. Jour.* 57: 242-243. Oct. 1, 1943. 23 Q33
- 3627 SARASQUETA, P. A. de. Composición del huevo. *Mundo Avícola* 6(66): 43. Aug. 1943. 47.8 M92
- 3628 SARASQUETA, P. A. de. Revisión oviscopica. *Mundo Avícola* 6(66): 9-12, 58. Aug. 1943. 47.8 M92
- 3629 SCANLAN, J. J. The third American bird at the fronts. *News for Farmer Coop.* 10(8): 23. Nov. 1943. 166.2 N47
- On the part taken by cooperatives in supplying turkeys for the soldier's and sailor's Thanksgiving Day dinner.
- 3630 STAINS, C. H. Direct to consumer sales plan is not practical now. *N. J. Farm and Garden* 14(12): 30-31. Dec. 1943. 6 G162
- Critical discussion of Paul Wirth's plan for cooperative marketing of eggs.
- 3631 THE STORY of Canadian dried eggs. *Canad. Food Packer* 14(11): 13-15. Nov. 1943. 286.83 C166
- 3632 SWANSON, R. W. Silk from chicken feathers. *Amer. Swedish Monthly* 37(12): 14-15. Dec. 1943. 286.8 Sw3
- 3633 TAYLOR, R. C. A new field for eggs. *Amer. Poultry Jour.* 74(12): 49-50. Dec. 1943. 47.8 Am32
- Use of chick embryos for cultivation of bacteria and viruses of infectious diseases.
- 3634 U. S. OFFICE OF PRICE ADMINISTRATION. Eggs and egg products. *Fed. Register* 8: 15459. Nov. 11, 1943. 169 F31
- Maximum Price Regulation 333, Amend. 18.
- 3635 WARE, H. G. Eggs head for the hatchery. *Farmer-Stockman* 56: 505. Dec. 1943. 6 Ok45
- 3636 WILLIAMSON, H. P. Hatchery situation in respect to price ceilings. *Peninsula Broiler Jour.* 3(13): 1, 3. Nov. 1, 1943. 47.8 P37

## RUBBER AND RUBBER SUBSTITUTES

- 3637 DINSMORE, R. P. The field of synthetic rubber vs. natural rubber and the plastics. *Chem. and Engin. News* 21: 1798-1801. Nov. 10, 1943. 381 J825W
- 3638 HOSEH, M. Recent Russian literature on natural and synthetic rubber--III, IV, V. (Cont.) *India Rubber World* 108: 559-560; 109: 45-48, 155-157, 200. Sept., Oct., Nov. 1943. 305.8 In2
- 3639 HOTCHKISS, H. S. Synthetic product seen stabilizing factor in natural rubber prices. *Manufacturers Rec.* 112(11): 30-31, 56, 58. Nov. 1943. 297.8 M31
- 3640 KIRKPATRICK, S. D. American rubber industry's wartime achievement. *Chem. & Metall. Engin.* 50(11): 100-113. Nov. 1943. 381 E12
- 3641 MORRIS, R. E., and others. The effects of blending guayule rubber with GR-S. (Cont.) *India Rubber World* 109: 150-152, 192. Nov. 1943. 305.8 In2
- A. E. Barrett, W. B. Lew, and T. A. Werkenthin, joint authors.
- 3642 U. S. DEPT. OF STATE. Cooperative rubber investigations in Costa Rica; agreement between the United States of America and Costa Rica, continuing in force the agreement of April 19 and June 16, 1941 as amended by the supplementary agreement of April 3, 1943. U. S. Dept. State. Exec. Agreement Ser. 335, 4 p. Washington, 1943. (Pub. 1993) 150 Ex3
- 3643 U. S. DEPT. OF STATE. Cooperative rubber investigations in Costa Rica; supplementary agreement between the United States of America and Costa Rica effected by exchange of notes signed at San José April 3, 1943, effective April 3, 1943. U. S. Dept. State. Exec. Agreement Ser. 318, 5 p. Washington, 1943. (Pub. 1949) 150 Ex3
- 3644 U. S. OFFICE OF PRICE ADMINISTRATION. Servicing of raw rubber. *Fed. Register* 8: 15674-15675. Nov. 17, 1943. 169 F31
- Revised Supplemental Regulation 14 to General Maximum Price Regulation, Amend. 51.



## SEEDS

3645 \*EGGERBRECHT, H. Die samenprüfungsstelle Halle in der kriegserzeugung-schlacht. Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 203-204. Apr. 3, 1943.

3646 MERCER, R. D. Plan for 1944 seed now. Mont. Farmer 31(4): 10. Oct. 15, 1943. 6 M764  
Cereal and forage crop seed.

3647 NEW METHOD of tomato and cucumber seed extraction. Queensland Agr. Jour. 57: 213. Oct. 1, 1943. 23 Q33

Information supplied by the Commonwealth Council for Scientific and Industrial Research.

3648 RUSSOW, W. F. Spring seed situation serious, survey shows. Ohio Farm Bur. News 23(5): 16. Dec. 1943. 6 Oh34

3649 TAYLOR, P. S. A plea for good seed... better seedsmen. South. Seedsman 6(11): 9, 45, 49. Nov. 1943. 61.8 So8

3650 U.S. OFFICE OF PRICE ADMINISTRATION. Vegetable seeds. Fed. Register 8: 16210-16216. Dec. 1, 1943. 169 F31

Maximum Price Regulation 496.

3651 WAHLGREN, H. L. President's address. Nebr. Crop Improvement Assoc. Ann. Rpt., 33rd, 1942, In Nebr. State Bd. Agr. Rpt. 1942: 156-159. 2 N47R

Discusses the seed certification program of the Nebraska Crop Improvement Association.

## SUGAR AND SIRUPS

3652 \*AHLFELD, HANS. Die weltzuckerwirtschaft im umbruch. Vierjahresplan 6(6): 279-281. June 1942.

3653 BANAS-CONIN, G. O. Plano geral para produção de alcool no Brasil. Brasil Açucareiro 21: 497-500. May 1943. 65.8 B73  
Production of alcohol from sugar.

3654 BANDEIRA, JOAQUIM. Como o Sr. Joaquim Bandeira se refere à questão do transporte de açúcar. Brasil Açucareiro 21: 447-448. May 1943. 65.8 B73

3655 BOND, W. E. Sugar production in Nigeria during the 1942-43 season. Farm and Forest 4: 124-127. Sept. 1943. 24 F226

3656 BROWNE, C. A. Early Philadelphia sugar refiners and technologists. Jour. Chem. Ed. 20: 522-530. Nov. 1943. 381 J826

3657 COSTA FILHO, MIGUEL. Civilização brasileira e açúcar. Brasil Açucareiro 21: 579-582. June 1943. Ref. 865.8 B73

Historical sketch of sugar in Brazil.

3658 CRANG, ALICE, and JONES, D. P. Experiment: on the domestic extraction of sugar from sugar beet. Bristol. Univ. Agr. and Hort. Res. Station (Nat. Fruit and Cider Inst.). Ann. Rpt. 1942: 124-128. 84 B77

3659 CUÉLLAR del RÍO, CELSO. "La crisis de nuestro azúcar es la de nuestra sociedad rural." Tierra Libre 7: 6. Oct. 1943. 8 T443

Extracts from a letter on sugar in the national economy of Cuba.

3660 FARR AND CO., NEW YORK, N. Y. Manual of sugar companies, 1943. Ed. 21, 221 p. New York, 1943. 65.9 F24

Financial statements, with production statistics, of sugar companies, listed in alphabetical order.

3661 GUSMÃO, MESSIAS de. A obra do instituto. Brasil Açucareiro 21: 566. June 1943. 65.8 B73

On the work of the Instituto do Açúcar e do Alcool of Brazil.

3662 \*LEOPOLD, HEINRICH, and WAGNER, EDITH. Beitrag zur analyse von caramelprodukten aus rohr-zucker. Ztschr. f. Untersuch. der Lebensmtl. 83: 487-512. June 1942.

3663 LIMA SOBRINHO, BARBOSA. Política açucareira. Brasil Açucareiro 21: 519-527. June 1943. 65.8 B73

3664 LIMA SOBRINHO, BARBOSA. Política nacional do açúcar. Observador Econ. e Financ. 8(90): 124-127. July 1943. 280.8 Ob72

3665 MACDONALD, J. C. Heat economy in the raw beet sugar factory. Internatl. Sugar Jour. 45: 294-296. Nov. 1943. 65.8 In8

3666 MEDFORD, JIM. California wants to know 1944 plans. Sugar 38(12): 17-18. Dec. 1943. 65.8 F11

Discusses the Government's sugar-beet planting program, subsidies, ceilings, and labor supply.

3667 MELO, JOAQUIM de. O que é o Instituto do Açúcar e do Alcool. Brasil Açucareiro 21: 549-556. June 1943. 65.8 B73

3668 MELO, M. L. de. Sobre tabelas de pagamento de cana. (Concl.) Brasil Açucareiro 21: 500-503. May 1943. 65.8 B73

3669 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. A wartime sugar beet goal for Michigan. Sugar Beet Jour., Nov. 1942, p. 27-28, 34. 66.8 Su38

3670 MOFFETT, J. W. Texas sugar refining industry observes 100th anniversary. Tex. Prog. 2 (11): 11, 15. Nov. 1943. 280.8 T313

3671 NEW ASPECTS of Mexico's sugar situation. U. S. Dept. Com. Foreign Com. Weekly 13(9): 6-7, 17. Nov. 27, 1943. 157.54 F763

Facts on production, consumption, percent of sugar obtained from cane, exports, prices, and Governmental controls, and production of alcohol.

3672 PHILLIPS, S. M. By-products of sugar production. Mfg. Chem. and Mfg. Perfumer 14: 308-310, 347-349. Oct., Nov. 1943. 396.8 M31

3673 RAMÍREZ, J. C. ¿Bajará el precio de la caña? El Cañero, No. 5, p. 1, 2, 6, 8. Sept. 1943. 65.8 C162

3674 LA PRODUCCIÓN y el consumo de azúcar en el Uruguay. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadis. Agr. Mercados del Mundo 7(30): 2-5. Apr. 1943. 286.9 Ur82

Surveys production trends. Includes statistics.

3675 RODRIGUES, J. H. O Brasil na "Historia do Açúcar", de E. O. von Lippmann. III - IV. Brasil Açucareiro 21: 459-464, 571-576. May, June 1943. Ref. 65.8 B73

3676 \*SRIVASTAVA, R. C. Development and progress of the sugar industry in India. J. Sci. & Ind. Research (India) 1, Sup. 1-20 (1943).

Noted in Chem. Abs. 37: 6921. Nov. 20, 1943.

381 Am33C  
3677 SUGAR - afterthought. Econ. Rev. Puerto Rico 5, i.e. 8(1): 19-24, 34. Jan.-Sept. 1943. 287 Ec7

Blames condition of sugar production on Government's policies.

3678 U.S. OFFICE OF PRICE ADMINISTRATION. Certain syrups and molasses. Fed. Register 8: 16508-16514. Dec. 8, 1943. 169 F31

Revised Maximum Price Regulation 291.

3679 U. S. OFFICE OF PRICE ADMINISTRATION. Sugar rationing regulations. Fed. Register 8: 15489. Nov. 12, 1943. 169 F31

Ration Order 3, Amend. 100; Amend. 101 in Fed. Register 8: 15524, Nov. 13, 1943; Amend. 102 in Fed. Register 8: 15594, Nov. 16, 1943; Amend. 103 in Fed. Register 8: 15662, Nov. 17, 1943; Amend. 104 in Fed. Register 8: 16695, Dec. 11, 1943; Amend. 106 in Fed. Register 8: 16605-16606.

3680 \*VOORST, F. R. van. Biochemische zuckerbestimmungen. Ztschr. f. Untersuch. der Lebensmtl. 83: 414-423. May 1942.

3681 WATSON, F. C. Sinopse das realizações do I. A. A. Brasil Açucareiro 21: 562-564. June 1943. 65.8 B72



## TOBACCO

- 3682 ZUÑIGA, AMADO. Consideraciones a un contrato de compra-venta de caña. Cañero, No. 6, p. 5-3. Oct. 1943. 65.8 C162  
Summary of some clauses of contract between producers and a refinery in San Luis Potosí.
- 3683 CHRISTOPHERSEN, RICARDO. Consideraciones sobre el cultivo del tabaco en el Uruguay. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadis. Agr. Mercados del Mundo 7(32): 1-3. June 1943. 286.9 Ur82  
A survey of production trends. Tables, p.4-7, show area, production, yields, imports, and production zones.
- 3684 \*LA ROTONDA, C., ROSSI, U., and PETROSINI, G. Über die verwendung von Äthylen in der technologie des tabakes. Vorbericht. Ztschr. f. Untersuch. der Lebensmtl. 85: 64-69. Jan. 1943.
- 3685 LOVE, H. W. The tobacco industry in western Carolina. Farmers Fed. News 24(4): 10, 11. Dec. 1943. 280.28 F225
- 3686 NELSON, N. T. Tobacco growing, a risky business. Canada, Expt. Farms. Tobacco Div. "The Lighter" 13(3): 1-3, processed. Oct. 1943. 286.89 C16
- 3687 \*PYRIKI, CONSTANTIN. Über die verteilung der substanzen im fermentierten tabakblatt. Ztschr. f. Untersuch. der Lebensmtl. 83: 221-235. Mar. 1943.
- 3688 \*PYRIKI, CONSTANTIN. Zur bestimmung der harze und wachse im tabak. Ztschr. f. Untersuch. der Lebensmtl. 84: 225-230. Sept. 1942.
- 3689 \*PYRIKI, CONSTANTIN. Zur bestimmung und zum vorkommen von monosacchariden, saccharose und maltose im tabak. Ztschr. f. Untersuch. der Lebensmtl. 83: 515-526. June 1942.
- 3690 \*PYRIKI, CONSTANTIN. Zur frage der chemischen qualitätsbeurteilung von fermentierten tabaken. Ztschr. f. Untersuch. der Lebensmtl. 84: 36-44. July 1942.
- 3691 U.S. OFFICE OF PRICE ADMINISTRATION. Burley tobacco (type No.31) of the 1943 crop. Fed. Register 8: 16524-16527. Dec. 8, 1943. 169 F31  
Maximum Price Regulation 500.
- 3692 U. S. OFFICE OF PRICE ADMINISTRATION. Domestic cigar filler and binder tobaccos of the 1943 crop. Fed. Register 8: 15663-15665. Nov. 17, 1943. 169 F31  
Maximum Price Regulation 494.
- 3693 U. S. OFFICE OF PRICE ADMINISTRATION. Georgia and Florida shade grown tobacco of the 1943 crop. Fed. Register 8: 15429. Nov. 10, 1943. 169 F31  
Maximum Price Regulation 440, Amend. 1.
- MISCELLANEOUS PRODUCTS
- 3694 BONDAR, GREGORIO. Goma de mascar, nova industria extrativa para o Brasil. Bahia, Brazil. (City). Inst. Central de Fomento Econ. Bol. 14, 28 p. Bahia, 1943. 9.2 B143  
Describes the extraction of the gum and prospects of the industry in Brazil.
- 3695 BRUNELL, H. J., ESSELEN, W. B., JR., and GRIFFITHS, F. P. Methods for quick freezing and dehydrating mushrooms. Food Indus. 15(11): 74-75, 140-142. Nov. 1943. 389.8 F737
- 3696 CHEESMAN, E. E. Informe relacionado con una visita a los distritos cacaoeros del Ecuador y sobre las investigaciones científicas necesarias para cualquier rehabilitación de la industria. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(35): 5-14, 16-20, 21. July/Sept. 1943. 9.5 M31
- 3697 DELAHANTY, T. W., and SCHUTTRUMPF, E. D. Quinine - after the war. U. S. Dept. Com. Foreign Com. Weekly 13(6): 6-7, 31-32. Nov. 6, 1943. 157.54 F763  
The post-war supply and distribution problem. Also in Drug and Cosmetic Indus. 53: 509, 516-517. Nov. 1943. 396.8 D842

- 3698 \*FINCKE, HEINRICH, and THALER, HELMUT. Die bestimmung der rohfaser in kakao und kakaoerzeugnissen; zugleich ein allgemeiner beitrag zur rohfaserbestimmung nach Scharrer-Kürschner. Ztschr. f. Untersuch. der Lebensmtl. 84: 97-134. Aug. 1942.
- 3699 GLICKMAN, C. S. Wax substitutes. Chem. Indus. 53: 496-500. Oct. 1943. 381 C426
- 3700 HUMPHRIES, E. C. Cacao tannin. Nature [London], 152: 569. Nov. 13, 1943. 472 N21  
Tannin determination in cacao.
- 3701 POTT, C. D. Position of esparto grass in the light of recent developments in North Africa. World's Paper Trade Rev. 119: 28, 30. Jan. 1, 1943. 302.8 W89  
Deprecates the suggested importation of esparto grass when surplus straw already in Great Britain can be used in paper making.
- 3702 RABAK, FRANK. Report on hops, with special reference to the determination of their alpha resin content. Assoc. Off. Agr. Chem. Jour. 26: 481-485. Nov. 15, 1943. 381 As7
- 3703 SILVEIRA, A. L. Pequena história do caca. Observador Econ. e Financ. 8(90): 36-48. July 1943. 280.8 Ob72
- 3704 U.S. WAR PRODUCTION BOARD. Tapioca flour. Fed. Register 8: 15197. Dec. 1, 1943. 169 F31  
Conservation Order M-333, as amended Nov. 30, 1943.

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL

- 3705 ARCA FARRÓ, ALBERTO. Inventario del potencial económico de la nación peruana. Economista [Mexico], 10(114): 17-20. Nov. 16, 1943. 280.8 Ec793  
The Dirección Nacional de Estadística will make a complete inventory of the economic capacity of Peru, including its resources in agriculture, livestock, mining, industries, etc. Text of decree authorizing the inventory, dated Aug. 20, 1943, included.
- 3706 BOWER, R. P. Conditions in Newfoundland in 1942. IV. Finance; Transportation; Industry. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 408-413. Nov. 20, 1943. 286.8 C16  
Section on agriculture.
- 3707 CASTRO, PRIMITIVO de. El actual momento agrícola. Surco [Madrid], No. 17, Sup., p. 10-11. July 1943. 15 Su7  
Touches upon the problems of the rural exodus and expenses and shortages on the farm.
- 3708 COKE, J., and SHEFRIN, F. According to the census. Econ. Annal. 13: 60-62. Nov. 1943. 280.8 Ec75  
Notes changes in population, amount of land in farms, number and size of farms, tenure, machinery, and farm values.
- 3709 DEIGNAN, H. G. Burma - Gateway to China. Smithson. Inst. War Background Ser. 17, 21 p. Washington, 1943. Ref. 280 Sm65  
Has chapter on agricultural products and one on social life.
- 3710 FILLEY, H. C. Economic trends and their relation to agriculture. Nebr. Assoc. Fair Managers. Ann. Meeting, 33rd, 1942, In Nebr. State Bd. Agr. Rpt. 1942: 111-116. 2 N27E  
The effect of increasing industrial wages upon the farmer is discussed.
- 3711 \*GULINELLI, ADOLFO. Il Protettorato Francese sulla Tunisia. Riv. di Polit. Econ. 33(3): 136-141. Mar. 1943.  
Contains a section dealing with agriculture, industry, and trade of Tunisia, including discussion of rural land tenure and quantities of various crops produced.



3712 KNOWLES, W. F. What's ahead for 1944? N. J. Farm and Garden 14(12): 12-13, 37. Dec. 1943. 6 G162

Among topics discussed are farm income, labor supply, feed, farm machinery, and fertilizers.

3713 KRIEGER, H. W. Island peoples of the Western Pacific, Micronesia and Melanesia. Smithsonian Inst. War Background Studies 16, 104 p. Washington, 1943. (Pub. 3737) Ref., p. 102-104. 280 Sm65

Among the topics discussed are patterns of culture and economic and social conditions.

3714 LATIN AMERICAN ECONOMIC INSTITUTE. Economic problems of the Caribbean area. Speeches, addresses and abstracts of papers delivered at the Public Conference held in New York City... on May 1, 1943. Latin Amer. Econ. Inst. Pam. Ser. 7, 60 p. N. Y., 1943. 280.14 L34

Partial contents: The impact of World War II (Cuba, by Felipe Pazos and Lawrence Berenson; Dominican Republic, by Rafael A. Espallat; Haiti, by Dantes Bellegarde; British Possessions, by Eric Williams; Dutch Possessions, by J. H. Boas; French Possessions, by Jean de la Roche; and Puerto Rico, by Gilberto Concepción); Post War Population and Labor Problems, by Ernesto Galarza; Post War Problems (Agriculture and Industry, by Rayford Logan; and Economic Inter-Relations, by Bailey W. Diffie).

3715 MENEZES, R. B. de. Monocultura, policultura e industrialização agrícola. I. Fase dos produtos-reis. Ceará, Brazil. Sec. da Agr. e Obras Públicas. Depto. Estadual de Cooperativismo. Cooperaçao 2(10): 18-19. Apr. 1943. 280.28 C781

Outlines what the writer calls the first phase of Brazil's economic history, characterized by a constant change in the key products such as sugar, cotton and coffee.

3716 STEWART, M. T. Economic conditions in Colombia, January-June. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 391-394. Nov. 13, 1943. 286.8 C16

Includes the situation for the coffee, cotton, and livestock industries.

3717 \*STREVE, A. Les îles Hawaii et leur rôle économique. Chim. & Indus. [Paris] 47: 581-583. May 1942.

The natural products of the Hawaiian Islands include sugar. Foreign trade is discussed and labor touched upon.

3718 SULLAM, V. B. Fundamentals of Italian agriculture. U. S. Off. Foreign Agr. Relat. Foreign Agr. 7: 267-288, processed. Dec. 1943. 1.9 Ec7For

Includes land tenure and types of farming and patterns of settlement in the various regions. Discusses Italy's self-sufficiency in foodstuffs in war and peace.

3719 WERTZ, V. R., and others. Economic problems facing agriculture. Farm Bur. News 23(5): 11, 24, Dec. 1943. 6 Oh34

G. W. Miller, L. H. Barnes, and Floyd De Lashmutt, joint authors.

Includes discussion of the advantages and the disadvantages of price regulation, subsidies, taxes and inflation and post-war agricultural prospects.

#### AGRICULTURAL FINANCE

3720 AUGUSTUS, K. K. A complete investment program; the (Ohio) Farm Bureau's plan for the small as well as the large investor. Farm Bur. News 23(5): 12-13. Dec. 1943. 6 Oh34

3721 HARTARD-EBERT, MAURICIO. Valor del capital y producción agropecuarios. Campesino [Santiago, Chile] 75: 546. Sept. 1943. 9.3 Sol2

Value of agricultural production and capital in Chile.

3722 INDIANA. DIV. OF ACCOUNTING AND STATISTICS. Statistical report, State of Indiana, for the period ended June 30, 1942. 62 p. [Indianapolis, 1942?]. 252.25 L61

Includes statistics of State and local government finances; and county statistics of farm mortgages filed and satisfied, 1941.

3723 LEWINSON, RICHARD. O café-moeda. DNC; Rev. do Depto. Nac. do Café [Brazil] 21: 225-229. July 1943. 286.83 D44

Gives other instances of "merchandise-money" in presenting the plan for Brazilian "coffee-money."

3724 WILCOX, W. W. Capital in agriculture. Quart. Jour. Econ. 58(1): 49-64. Nov. 1943. 280.8 Q2

Points considered: Amount of capital employed in agriculture in the U. S. in relation to other sectors of the economy; extent to which the problems of capital formation and maintenance in agriculture differ from those in other industries; absence of incorporated business units in agriculture; generally low farm income; effects of tenancy on capital formation and maintenance; and remedial measures.

#### Credit

3725 BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A. Un trienio de ayuda financiera al pequeño agricultor. Mex. Dir. de Econ. Rural. Bol. Mens., No. 210, p. 1178-1181. Nov. 15, 1943. 254.5 Ag83

Action of this national Mexican bank during the past three years, a period of serious economic upset.

3726 BARROS, G. M. Cooperativismo e crédito agrícola. São Paulo, Brazil. Sec. da Agr., Indus. e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 2(25): 2. Oct. 1942. 280.28 C782

Cooperatives as a source of agricultural credit in Brazil.

3727 BHAGWAT, N. P. Some aspects of working of land mortgage banks in Bombay. Bombay Co-op. Quart. 26: 223-227. Mar. 1943. 280.28 B63

3728 BHANDARI, J. G. Organization and working of agricultural credit in the agricultural countries of central eastern Europe. Indian Jour. Co-op. 9: 144-146. Apr./June 1943. 280.28 In2

3729 CLARK, LINCOLN. Credit unions in the United States. Jour. Business, Univ. Chicago 16, pt. 1: 235-246. Oct. 1943. 280.8 J825

General, including rural and agricultural credit unions.

3730 CRONKITE, F. C. The Judicial Committee and the farm debt problem. Canad. Jour. Econ. and Polit. Sci. 9: 557-564. Nov. 1943. 280.8 C162

Discusses a decision of this Committee concerning the Alberta Debt Adjustment Act, 1937.

3731 DESHPANDE, SIR M. G. Effects of Debt Consolidation and Debt Relief Acts on the working of the Land Mortgage Banks in C. P. and Berar. Indian Co-op. Rev. 9: 122-124. Apr./June 1943. 280.28 In2

3732 FERNÁNDEZ Y FERNÁNDEZ, RAMÓN. Notas sobre el crédito agrícola en Estados Unidos. Rev. de Econ. [Mexico] 6(10): 27-28. Oct. 31, 1943. 280.8 R3293

3733 GUDI, H. R. A co-operative society for Lamanees. Bombay Co-op. Quart. 26: 242-247. Mar. 1943. 280.28 B63

Provides agricultural credit.

3734 HALCROW, H. G., and RENNE, R. R. This time let's keep our farms! Mont. Farmer 31(5): 1. Nov. 1943. 6 M764

Farm loan experiences in Montana.

3735 HOLMES, G. A. Farm finance and education in New Zealand. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 375-376. Nov. 1943. 10 G79J

Notes three main classes of credit organizations.



3736 KLINGE, GERARDO. El crédito agrícola en México. [To be cont.] Vida Agr. [Lima] 20: 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517-518. July 1943. 9.8 V66

3737 RAMAKRISHNA RAO, V. Land mortgage banking in Madras. Bombay Co-op. Quart. 26: 228-240. Mar. 1943. 280.28 B63

3738 RHEA, W. E. Federal land banks refuse to underwrite inflated farm values. New England Dairies News 3(8): 6. Nov. 1943. 44.9 M443

3739 SURYANARAYANA RAO, R. Relief of indebtedness in dry areas. Indian Co-op. Rev. 9: 131-133. Apr./June 1943. 280.28 In2

3740 TAYLOR, KEITH. Loan program for junior farmers. Burroughs Clearing House 27(11): 22-24, 52. Aug. 1943. 284.8 B94

The program as operated by the Valley National Bank, Phoenix, Ariz.

3741 TRIVEDI, R. N. Land mortgage banks in Bombay Province - old and new problems. Indian Co-op. Rev. 9: 116-121. Apr./June 1943. 280.28 In2

3742 U. S. CONGRESS. SENATE. Activities and operations of the Federal Farm Board. 78th Cong., 1st sess. Rpt. 416, 7 p. Washington, U. S. Govt. print. off., 1943.

Mainly a statement by the Farm Credit Administration of the condition of the agricultural marketing revolving fund as of June 30, 1943.

3743 WAR AND land mortgage banks in Madras. Some unsolved problems - new outlook. Indian Co-op. Rev. 9: 125-130. Apr./June 1943. 280.28 In2

#### Income

3744 CUNNINGHAM, L. C. Estimating your farm income for 1943. [N. Y.], St. Lawrence County Farm and Home Bur. News 28(9): 1-2. Oct. 1943. 275.293 N. Y., St. Lawrence Co.

3745 DEXTER, GRANT. Farm income up. Saskatchewan Farmer 34(22): 24. Nov. 15, 1943. 7 S274 Comparative figures show cash income from sale of farm products, by provinces, 1928 - June 30, 1943.

3746 MORISON, F. L., and FALCONER, J. I. Estimated gross cash income to Ohio farmers from the sale of agricultural products and from Agricultural Adjustment Agency payments, by counties - 1942. Ohio State Univ. Dept. Rural Econ. Mimeog. Bul. 171, 12 p. Columbus, 1943. 281.9 Oh32

3747 UPGEEN, A. R. New farm problems appearing as result of greatly increased income. Miss. Val. Lumberman 74(45): 10. Nov. 5, 1943. 99.81 M69

Problems of making wise use of increased farm income.

#### Inflation

3748 MADERO, EMILIO. Las cinco causas del des-  
concierto nacional. Economista [Mexico] 10(113): 25-26. Nov. 1, 1943. 280.8 Ec793

Lists among the causes of inflation the destruction of the small farm by the ejido and large exports of goods without large imports from the United States.

3749 O'NEAL, E. A. Prospects for inflation control [résumé of address]. Nation's Agr. 18(10): 4, 8. Nov. 1943. 280.82 B89

Also in Nation's Agr. [Kans. Ed.] 18(10): 4, 8. Nov. 1943. 280.82 B89

#### Insurance

3750 CHILDS, LESLIE. Vacancy as voiding insurance on farm dwelling. Your Farm 2(2): 51-52. Dec. 1943. 6 V8

3751 LUZ FILHO, FABIO. Seguros agro-pecuários. Bahia, Brasil. Sec. da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Bol. 6, 35 p. São Salvador, 1943. 280.29 B14

Discusses agricultural insurance in various countries, including Brazil, and cooperative insurance.

3752 SANDERSON, F. H. A specific-risk scheme for wheat crop insurance. Jour. Farm Econ. 25: 759-776. Nov. 1943. 280.8 J822

#### Taxation

3753 HALL, I. F. Farmers' income and victory tax for 1943. Hoard's Dairyman 88: 665, 672. Nov. 25, 1943. 44.8 H65

3754 HART, V. B. Income taxes for farmers. Dairymen's League News 27(24): 15. Nov. 23, 1943. 44.8 D1432

3755 HILL, E. B., and HAIST, A. H. Tax time again. Mich. Farmer 201(10): 5, 8. Nov. 20, 1943. 6 M58

How the Federal income and victory tax affects the farmer.

3756 JIMÉNEZ CORREA, C. P. El impuesto sobre la renta en el Perú. Estadística [Mexico] 1(3): 115-118. Sept. 1943. 251.8 Es8

Tax receipts from incomes from rural property are included.

3757 KNOWLES, W. F. It's tax time again! N. J. Farm and Garden 14(12): 18, 19. Dec. 1943. 6 G162

How to file a farm tax return on a cash basis. Examples are included.

3758 \*LE MODIFICHE al regime tributario. Econ. Europea 2(4): 162-163. May 1943.

Changes in the Italian land tax and their effects.

3759 MOORE, TERRIS. Dec. 15th income tax due. Nebr. Farmer 85(22): 4, 19. Nov. 20, 1943. 6 N27

How to file an estimate of 1943 farm income.

3760 PIERCE, D. L. Tax assessors can do good jobs. State Govt. 16: 224-227. Nov. 1943. 280.8 St2

How the local property tax administration of California has been improved through cooperation between State and local agencies. Includes discussion of assessment of farm land.

3761 STANTON, L. B. Income tax on sales of farms. Calif. Cult. 90: 580-581. Nov. 13, 1943. 6 C12

3762 TAX INSTITUTE. State tax legislation in 1943. Tax Policy 10(11): 1-14, processed. Sept. 1943. 284.58 T194

Alcoholic beverage taxes, p. 1; oleomargarine taxes, p. 10; tobacco taxes, p. 11-12.

#### AGRICULTURAL LABOR AND WAGES

3763 BIRKETT, C. B. New Zealand man-power schemes. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 469. Dec. 11, 1943. 286.8 C16

Includes holiday work on farms for students and children.

3764 CURTISS, W. M. The labor force on market garden farms, Albany and Erie Counties, N. Y., 1941 and 1942. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 438, 15 p., processed. Ithaca, 1943. 281.9 C81

3765 FARRAND, G. E. Workmen's compensation law. Calif. Cult. 90: 567, 586. Nov. 13, 1943. 6 C12

Includes farm labor.

3766 FRANCIS, MARTIN. What can be done about the labor shortage? Feedstuffs 15(48): 14-15. Nov. 27, 1943. 286.81 F322

Manpower problems in feed mills and stores.

3767 HAGAN, A. R. Making farm labor count. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 107-108. Oct. 1943. 281.8 Am32

3768 HOPKINS, JOHN. Cutting corners on your farm. Iowa Farm Econ. 9(11): 10-11. Nov. 1943. 275.28 I092

Presents a nine-point program for saving labor and getting more accomplished.



- 3769 JONES, J. S. The farm labor problem. Minn. State Agr. Soc. Ann. Rpt. (1941/42) 84: 244-250. 1942. 2 M66R
- 3770 KROH, H. H. "Not a single tomato spoiled." U. S. War Manpower Comm. Manpower Rev. 10(11): 14-15. Nov. 1943. 158.3 Em72
- Recruitment of emergency cannery workers in New Jersey.
- 3771 LATHROP, F. W. Inexperienced farm labor used in 1943. Agr. Leaders' Digest 24(9): 16, 18. Nov. 1943. 275. 28 Am3
- 3772 MANGUS, A. R. Subsequent movement of Kentucky hill families relocated as farm laborers in Ohio. Ohio State Univ. Dept. Rural Econ. and Rural Sociol. Mimeog. Bul. 170, 15 p. Columbus, 1943. 281.9 Oh32
- 3773 MILLAR, L. D. How Canada's workers have fared. Canad. Business 16(12): 66-67, 130. Dec. 1943. 287 C162
- Includes discussion of farm wages under wartime conditions.
- 3774 MOONEY, M. M. Action at the local level. U. S. War Manpower Comm. Manpower Rev. 10(11): 11-12. Nov. 1943. 158.3 Em72
- Recruitment of emergency cannery workers.
- 3775 MORALES ANTEQUERA, CARLOS. El campo manchego, en plena recolección. Surco [Madrid] 2(17): 14-16. July 1943. 15 Su7
- Harvesting labor problems in the Province of La Mancha, wages, and harvesting costs.
- 3776 NELSON, J. E. Selective service and the farm problem. Minn. State Agr. Soc. Ann. Rpt. (1941/42) 84: 298-301. 1942. 2 M66R
- 3777 PIERCE, H. F. Labor and collective bargaining in the dairy industry. Canad. Dairy and Ice Cream Jour. 22(11): 35-36. Nov. 1943. 44.8 C162
- 3778 SALLES, APOLONIO. Salario mínimo. São Paulo, Brazil. Sec. da Agr., Indus. e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(31): 3. Apr. 1943. 280.28 C7872
- 3779 \*SCHMIDT, JOHANN. Arbeitsbedingungen der ostarbeiter. Landesbauernschaft Niederschlesien. Wchnbl. 10: 323. June 5, 1943.
- Contains an order making provision regarding wages for agricultural workers imported into Lower Silesia.
- 3780 SCOVILLE, G. P., and WARREN, S. W. Labor requirements for New York crops and livestock. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 462, 10 p., processed. Ithaca, 1943. 281.9 C81
- 3781 SUMMARY of farm assistance measures taken by Government during 1943. Canada. Dept. Labour. Labour Gaz. 43: 1477-1480. Nov. 1943. 283.8 C16L
- Canadian steps to meet the labor situation.
- 3782 THOMPSON, H. W. The battle for foods. Community-wide coöperation of business is necessary to avert food crisis next winter. California 33(6): 15-16, 37. June 1943. 280.8 C12
- Need of labor in canning and processing.
- 3783 TORMEY, J. L. Sidelights on farm labor; the labor problem is one with which farmers are not too strongly organized to cope successfully. Short-horn World 28(17): 3-4. Nov. 25, 1943. 43.8 Sh8
- 3784 VINCENT, JIM. Black currant harvest. Country Life [London] 94: 681. Oct. 15, 1943. 80 C83
- Labor of picking and wages paid.
- 3785 WARTIME work of the Department of Labour of Canada. Canada. Dept. Labour. Labour Gaz., Nov. 1943, Sup., 31 p. Ottawa, 1943. 283.8 C16L
- Section on farm labor.
- Women
- 3786 BREW, B. G. Women's land army training. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 376-378. Nov. 1943. 10 G79J

- 3787 DURAND, J. D. The post-war employment of women in the United States; a statistical forecast. Internat'l. Labour Rev. 48: 695-713. Dec. 1943. 283.8 In8
- Employment of women in agriculture is discussed, p. 700-701.
- 3788 SOLVING the farm labour problem. New Zeal. Jour. Agr. 67: 253-254. Oct. 15, 1943. 23 N48J
- Describes the New Zealand Women's Land Service.

#### Youth

- 3789 HARRINGTON, LYN. Ontario's farm service camps. High school girls give valuable aid in adding to Nation's food supplies. Farmer's Mag. 40(11): 11, 47. Nov. 1943. 7 C163
- 3790 LLOYD, E. W. Town and country unite in the harvest field. Field 182: 386. Oct. 9, 1943. 10 F45
- Harvest camps for young people.
- 3791 RICH, D. W., JR. Peddie School Farm Project in New Jersey. Amer. Farm Youth 9(6): 13. Nov. 1943. 5 A-393
- A cooperative enterprise for the purpose of securing boys to help harvest crops.
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS
- 3792 ABAD OJUEL, A. Sobre ordenación de cultivos. Surco [Madrid], No. 15, Sup., p. 12-13. May 1943. 15 Su7
- Urges official planning for agricultural production rather than the permitting of immediate market conditions to determine what crops should be grown.
- 3793 ABRAHAM, GEORGE. Farming somewhere in Africa. Cornell Countryman 41(1): 5. Nov. 1943. 6 C81
- 3794 AGRICULTURAL ADVISER TO THE COMPTROLLER FOR DEVELOPMENT AND WELFARE IN THE WEST INDIES. Memorandum of agricultural development in Jamaica. Jamaica Agr. Soc. Jour. 47: 155-217. June/Aug. 1943. 8 J223
- A. J. Wakefield, Agricultural Adviser.
- Surveys the various elements in Jamaican agriculture and recommends a policy to be followed. Includes crops and livestock, soil erosion, forestry, farming systems, agricultural education, marketing and cooperatives, and land tenure and settlement.

- 3795 ALLIN, B. W. Emerging issues in world food production. U. S. Bur. Agr. Econ. Land Policy Rev. 6(4): 10-13. Winter 1943. 1 Ec7La
- Report of deliberations of the United Nations Conference on Food and Agriculture with regard to international agricultural programs and adjustments.

- 3796 BERMEO ZUAZÚA, ANTONIO. La Guinea Española vista por un ingeniero agrónomo. Surco [Madrid] 2(16): 14-16; (17): 8-10. June, July 1943. 15 Su7
- Includes discussion of the crops produced, including cacao and coffee, and the problems of labor scarcity and small area in agriculture.

- 3797 \*BRÄUTIGAM. Bäuerliches privateigentum im Osten. Südost Echo 12(24): 2. June 11, 1943.
- Explains and discusses the importance of the new decree of Feb. 15, 1942, regulating agriculture in occupied Eastern Territory.

- 3798 BRIGGS, F. A. A ten-year program in its fifteenth year. Farm and Ranch 62(11): 4, 25. Nov. 1943. 6 T31

- Tells about the planning and development of the balanced farm program in Lamar County, Texas.

- 3799 \*BRUMMENBAUM, ALBERT. Aufgaben der landwirtschaftlichen erzeugung. Vierjahresplan 6(12): 560-563. Dec. 15, 1942.

- 3800 BURBURY, N. McK. Can farmers control their own affairs? Tasmanian Fruitgrower and Farmer 28(244): 9. Oct. 7, 1943. 23 T185

- Defends the ability of Australian farmers to take part in agricultural policy-making.



- 3801 CHAO, S. M. Industrialisation of China's north-west provinces. *Gt. Brit. and the East* 60 (1694): 33, 35. Nov. 13, 1943. 286.8 N27  
Includes measures to develop agricultural production.
- 3802 CHESTEM, A. K. The farmer's responsibility in the Food for Freedom program. *Nebr. Crop Improvement Assoc. Ann. Rpt.*, 33rd, 1942, *In* *Nebr. State Bd. Agr. Rpt.* 1942: 208-212. 2 N47R
- 3803 CIRIACY-WANTRUP, S. v. A discussion of "Food production policies in wartime" by Sherman E. Johnson. *Jour. Farm Econ.* 25: 869-874. Nov. 1943. 280.8 J822  
The paper by Mr. Johnson was published in the August, 1943, issue of the *Journal of Farm Economics*.
- 3804 CLARK, F. A. Agricultural opportunities in the Southern mountains. *Mountain Life and Work* 19(4): 20-21. Autumn 1943. 281.28 M86
- 3805 CLAYTON, H. G. 1944 food goals plot job for Florida farmers. *Fla. Grower* 51(11): 5, 10-11. Nov. 1943. 80 F6622
- 3806 EIRE'S post-war economy. *Economist* [London] 145: 556. Oct. 23, 1943. 286.8 Ec7  
Suggests that it may be necessary to discover new types of exports to supplement agricultural exports in order to pay for imports.
- 3807 EN FAVOR de los productores rurales afectados por la sequía; síntesis de las disposiciones tomadas por los Poderes Públicos. Uruguay. *Min. de Ganad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo* 7(29): 1-3. Mar. 1943. 286.9 Ur82
- 3808 \*FAERBER, I. Der farmblock und die agrarpolitik der USA. *Wirtschaftsdienst* (N.F.) 28: 297-299. Apr. 30, 1943.
- 3809 FOWLER, B. B. "What have you got to sell?" *Country Gent.* 113(12): 17, 40, 41. Dec. 1943. 6 C833  
On the agricultural program of the Tennessee Coal, Iron and Railroad Company.
- 3810 FOWLER, BERTRAM. The great food muddle. *Common Sense* 12: 271-274. Aug. 1943. 280.8 C737  
Some of the requirements of wartime farm and food policy in the U. S.
- 3811 A GLANCE at farming - minor crops. *Econ. Rev. [Puerto Rico]* 5, i.e. 8(1): 25-29. Jan.-Sept. 1943. 287 Ec7
- 3812 GONZÁLEZ VIDART, ARTURO. Discurso del Ministro de Ganadería y Agricultura Ingeniero Agrónomo Arturo González Vidart. *Diario Rural* [Montevideo] 4(312): 12, 13. Sept. 15, 1943. 9.9 D54  
Discusses various aspects of agricultural policy in Uruguay, including improvement of the rural cultural level, meat marketing, prices, and coordination of production among the countries of the continent.
- 3813 HALL, H. W. Farmers must form their own post-war program. *Dairyland News* 13(20): 4. Nov. 8, 1943. 280.28 W752
- 3814 HAND, C. H. Control and the small farmer. *Tasmanian Fruitgrower and Farmer* 28(244): 6. Oct. 7, 1943. 23 T185  
Shows how the small farmer is at a disadvantage under planning.
- 3815 HEATHERINGTON, D. F. Northern Ireland. U. S. Dept. Com. *Foreign Com. Weekly* 13(7): 7-9. 34-35. Nov. 13, 1943. 157.54 F763  
Includes discussion of the country's agriculture and methods used to stimulate increased agricultural production.
- 3816 HERRERA ARRIVILLAGA, G., and BRAVO, A. F. La construcción del camino costero de Paso de la Patria a Itatí. *Gaceta Algodonera* 20(236): 7-8. Sept. 30, 1943. 72.8 G11  
Describes the agricultural productivity of the Province of Corrientes, Argentina, and the importance of good roads, and describes an area forming part of the agricultural zone of the Departments of San Cosme and Itatí which needs an improved road.
- 3817 HUSTON, B. T. Expanding industries promise bright postwar development for Saskatchewan. *Canad. Grocer* 57(23): 9, 18. Dec. 1, 1943. 286.83 C162  
Trends and the situation in agriculture are noted.
- 3818 HUSTON, B. T. Manitoba faces big postwar development. Mixed farming, mining and fur farming to be potent factor in province's trade expansion. *Canad. Grocer* 57(22): 7-10. Nov. 15, 1943. 286.83 C162
- 3819 JOHNSTONE, W. C. The changing Far East. *Foreign Policy Assoc. Headline Ser.* 41, 96 p. N. Y., 1943. Ref., p. 91-92. 280.18 J65  
Stresses the post-war economic problem of the farmer and suggests some methods of solving it.
- 3820 \*\*KAGAN, GEORGE. Agrarian regime of pre-war Poland. *Jour. Cent. European Aff.* 3(3): 241-269. Oct. 1943.  
Listed in *Cur. Geog. Pubs.*, Nov. 1943. 241.6 Am3
- 3821 KEIM, J. F. Impressions of North Africa's agriculture. *Pa. Farmer* 129(9): 4, 14. Nov. 3, 1943. 6 P383
- 3822 LLOYD, E. W. Agriculture in retrospect. *Field* 182: 466. Oct. 30, 1943. 10 F45
- 3823 MANSON, T. B. Impressions of the U. S. A. and Canada. *Scot. Farmer* 51: 1066. Oct. 23, 1943. 10 Sco8  
Summary of remarks at a press conference on the wartime agricultural situation in North America.
- 3824 MAYNE, W. W. Food production on estate lands in S. India. (Concl.) *Planters' Chron.* 38: 350-355, 368-370. Aug. 28, Sept. 11, 1943. 22 P693
- 3825 NEWMAN, G. A. Development and welfare in the British West Indies. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 431-434. Nov. 27, 1943. 286.8 C16  
Review of the Stockdale Report "Development and Welfare in the West Indies, 1940-42," which includes a statement on agriculture.
- 3826 PAN AMERICAN UNION. Uruguay. *Pan Amer. Union. Amer. Nation Ser.* 20, 30 p. Washington, 1943. 150.9 Am3  
Brief account of agriculture and livestock raising.
- 3827 PARTAIN, L. E. Perils of prosperity. *Country Gent.* 113(12): 11, 38, 39. Dec. 1943. 6 C833  
Lists four questions that every farmer should ask himself "in planning a sound long-range financial program."
- 3828 PAZ, A. de F. Discurso pronunciado... ao ser instalado o XIII Congresso Rural. *Rev. Agron. [Porto Alegre, Brazil]* 7: 455-464. Aug. 1943. 9.2 R325  
Describes what the Brazilian Government has done to assist agriculture.
- 3829 \*PETERSEN, NIS. Dänemarks landwirtschaft im rahmen des europäischen wirtschaftsneubaues. *Wirtschaftsdienst* (N.F.) 28: 300-302. Apr. 30, 1943.  
Surveys Danish agriculture and agricultural production as compared with other countries of Europe.
- 3830 PETERSON, A. W. Adjusting crop production to meet war needs. *Nebr. Crop Improvement Assoc. Ann. Rpt.*, 33rd, 1942, *In* *Nebr. State Bd. Agr. Rpt.* 1942: 218-227. 2 N47R  
Notes that changes in prices received and in costs of production cause most of the shifts in livestock and crop production during wartime and that these may be analyzed as a basis for planning production.
- 3831 PITTMAN, D. W. Observations on agriculture in Iran. *Utah Agr. Expt. Sta. Farm & Home Sci.* 4(4): 6-7. Dec. 1943. 100 U11F  
General, including commodities grown, farming practices and methods, implements, etc.
- 3832 REHABILITATION of the 'scorched earth' in the U. S. S. R. *Nature* [London] 152: 424. Oct. 9, 1943. 472 N21  
Rebuilding and restocking of collective farms.



3833 RHODES, NEILL. Freedom from interference. For Sale, Want and Exch. Bul. 1, 1. e. 13 (3): 1. Nov. 1, 1943. 280.38 F74

A discussion of agricultural production including criticism of Government policies.

3834 \*RUHE, ERNST. Südosteuropas beitrage zur erzeugungsschlacht. Wirtschaftsdienst (N.F.) 28: 294-297. Apr. 30, 1943.

Measures taken and policies followed in southern European countries to increase agricultural production.

3835 \*SCHUWERK, FRANZ. Die Schweiz auf dem wege zur selbstversorgung. Deut. Volkswirtschaft 12: 543-544. June (2. Junihft.) 1943.

Switzerland's trend toward self-sufficiency in agricultural products.

3836 SCHWENNESEN, A. W. Rural reconstruction problems; efficiency of Australia's agricultural industries; relation to social stability. Citrus News 19: 124-125. Aug. 31, 1943. 80 C494

3837 SEQANE, MANUEL. The Japanese are still in Peru. Asia and the Americas 43: 674-676. Dec. 1943 286.8 Am31

Japanese penetration in agriculture is mentioned.

3838 SERWY, VICTOR. The economic régime in Belgium. Rev. Internat. Co-op. 36: 154-155. Oct. 1943. 280.28 In8B

Notes the constitution of the Corporation of Agriculture and Supply.

3839 \*SPICKSCHEN. Kreisbauernstage in Ostpreussen. Landesbauernschaft Ostpreussen, Georgine, Wehnl. 120: 193-195. Apr. 3, 1943.

War-time tasks and problems of agriculture in East Prussia.

3840 SRIVASTAVA, J. P. A scheme of holding competition to grow more and better food crop. United Provs. Co-op. Jour. 19(1): 12-17. July 1943. 280.28 Un3

3841 \*\*STAMP, L. D. European agriculture; a regional survey. Geog. Mag. 15: 106-116. July 1943. Listed in Cur. Geog. Pubs., Oct. 1943. 241.6 Am3

3842 STREETER, C. P. Our next big step? Farm Jour. 67(12): 20-21, 76. Dec. 1943. 6 F2212

A discussion of D. H. Doane's rural industry program "vertical diversification" and how it is being applied to build a better rural civilization.

3843 THOMPSON, C. Y. The war and your farm business. Nebr. Crop Improvement Assoc. Ann. Rpt., 33rd, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 212-218. 2 N47R

Brings out the result of the World War I farm policy on the farmer and the need now for not only encouraging efficient war production but for preventing economic collapse after the war as well.

3844 THOMPSON, R. J. The future of agriculture. Roy. Statist. Soc. Jour. (n.s.) 106(pt.1): 32-42. 1943. 251 R81J

Discusses past agricultural policies and their possible application in the future.

3845 TINDALL, CORDELL. Farm goals higher for 1944. Mo. Ruralist 84(21): 20-21. Nov. 13, 1943. 6 R8891

3846 \*TRONI, ARMANDO. Le risorse economiche e lo sviluppo industriale del Giappone. Riv. di Polit. Econ. 33(3): 141-145. Mar. 1943.

Discusses in part Japan's agriculture and the extent of production in various crops, noting that agriculture is one of the bases of the country's economy.

3847 TURGEON, GRAY. A realist looks at post-war. Canad. Business 16(12): 52-53, 108, 110. Dec. 1943. 287 C162

Includes brief discussion of agriculture.

3848 UNITED GRAIN GROWERS LIMITED. BOARD OF DIRECTORS. Statement on agricultural policy. Country Guide 62(12): 25-26. Dec. 1943. 7 G76

Discusses Canadian agricultural policy now and in the future, price ceilings, post-war wheat markets, and the need for a Wheat Institute.

3849 U. S. DEPT. OF STATE. Development of food-stuffs production in Venezuela; agreement between the United States of America and Venezuela, effected by exchange of notes signed at Caracas May 14, 1943.

U. S. Dept. State. Exec. Agreement Ser. 333, 13 p. Washington, 1943. (Pub. 2001) 150 Ex3

3850 U. S. DEPT. OF STATE. Food supply for Iran; agreement between the United States of America, the United Kingdom of Great Britain and Northern Ireland, and Iran, signed at Tehran December 4, 1942. U. S. Dept. State. Exec. Agreement Ser. 292, 7 p. Washington, 1943. (Pub. 1924) 150 Ex3

Provides for supplying of cereals for bread to Iran.

3851 WAKEFIELD, A. J. Memorandum of agricultural development in Jamaica. Jamaica Agr. Soc. Jour. 47: 156-217. June-Aug. 1943. 8 J223

3852 WALLACE, H. A. Food for victory and jobs for peace. Survey Graphic 32: 483-485, 518. Dec. 1943. 280.8 C37G

Post-war planning for agriculture and employment.

Also in Natl. Parent-Teacher 38(4): 24. Dec. 1943. 320.8 C43

3853 WARNER, H. H. Oahu to the fore. Hawaii Farm and Home 6(11): 10. Nov. 1943. 25 H3191

Wartime expansion of farming in Oahu, Hawaii.

3854 WATSON, SIR ALFRED. Sensationalism and food shortage. Gt. Brit. and the East 60(1693): 15-16. Nov. 6, 1943. 286.8 N27

Causes of the food shortage and the agricultural policy needed to remedy it in India.

3855 WATSON, SIR ALFRED. The shadow over India. Gt. Brit. and the East 60(1694): 15-16. Nov. 13, 1943. 286.8 N27

Discusses the food supply problem and remedies needed.

3856 WHITE, S. Economic and social development in Africa in the post-war period. Farm and Forest 4: 116-121. Sept. 1943. 24 F226

3857 WILIE, K. H. Recent agricultural-policy developments in Panama. U. S. Off. Foreign Agr. Relat. Foreign Agr. 7: 256-264. Nov. 1943. 1.9 Ec7For

3858 \*ZSCHIRNT, KURT. Der appell an die haltung Landesbauernschaft Ostpreussen, Georgine. Wehnl. 120: 196. Apr. 3, 1943.

On the importance of increasing farm production.

#### Agriculture, Post-War

3859 DI TELLA, TORCUATO. Problemas de la posguerra. Función económica y destino social de la industria argentina. Rev. de Econ. Argentina 42(303): 367-379. Sept. 1943. 280.8 R325

Brief reference to agriculture.

3860 GARDINER, J. G. A sane post-war policy; Mr. Gardiner declares economic salvation of agriculture depends on literal application of principles expressed in Atlantic Charter. Canad. Countryman 32(23): 3, 25. Nov. 13, 1943. 7 C833

3861 GREEN, P. L. Farm Bureau's post-war planning. Ohio Farm Bur. News 23(3): 10. Oct. 1943. 6 Oh34

3862 HANNAM, H. H. Agriculture in the reconstruction period. Quart. Rev. Com. 10: 95-104. 1943. 280.8 Q24

Refers to Canada.

3863 JESNESS, O. B. After war ..... what? Capper's Farmer 54(12): 9, 40. Dec. 1943. 6 M693

"Suggests action now and planning ahead that will help farmers exploit new opportunities and solve new problems the postwar period will bring."



3864 MYRIN, H. A. W. Program for postwar activities in the Phoenixville [Pennsylvania] Agricultural Territory. *Bio-Dynamics* 3(1): 33-37. Summer 1943. 56.8 B52

Program by the Agricultural Committee of the Chamber of Commerce, H. A. W. Myrin, Chairman.

3865 PALMER, FREDERICK. Australian food production program. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 381-383. Nov. 13, 1943. 286.8 C16

Describes the Government organization for the program, food control regulations, and plans for group farming.

3866 REVOLUTIONARY post-war plans for British agriculture; possible effect on our export trade. *Land [Sydney]*, No. 1661, p. 4. Oct. 8, 1943. 23 L32

3867 RHODES, NEILL. As postwar agriculture [in Florida] goes,--so grows Florida. *For Sale, Want and Exch. Bul.* 1, i. e. 13(5): 1, 4. Dec. 1, 1943. 280.38 F74

3868 WU, CHING-CHAO. Internal economic development [in postwar China]. *Foreign Policy Rpts.* 19: 214-218. Nov. 1, 1943. 280.9 F76R

Discussion of agricultural reconstruction and agrarian reform, p. 214-216.

#### Subsidies

3869 ALLAN, W. H. Giving subsidy its due--and its don't. *N. J. Farm and Garden* 14(12): 4. Dec. 1943. 6 G162

3870 ARMENTROUT, W. W. Subsidies versus higher prices. *W. Va. Farm News* 22(9): 12. Dec. 1943. 275.293 W. Va.

The relative merits of the two in preventing inflation.

3871 FEDERAL COUNCIL OF THE CHURCHES OF CHRIST IN AMERICA. DEPT. OF RESEARCH AND EDUCATION. Subsidies--to be or not to be? *Fed. Council Churches of Christ in Amer. Dept. Res. and Ed. Inform. Serv.* 22(40): 1-3. Dec. 4, 1943. 280.9 F31

Summary of the current controversy over consumers' subsidies.

3872 HAND, C. H. Subsidies and the farmer. *Tasmanian Fruitgrower and Farmer* 28(244): 13. Oct. 7, 1943. 23 T185

Subsidies are to the farmer what tariffs are to the industrial worker.

3873 MOMUNN, E. W. Use subsidies wisely say OFFB delegates. *Ohio Farmer* 192(11): 5, 13. Dec. 4, 1943. 6 Oh3

Report of Ohio Farm Bureau Federation meeting at Columbus, November 17-19.

3874 NATTEMER, E. B. Beware of [food] subsidies. *Meat* 19(4): 5. Nov. 1943. 286.85 M464

3875 O'NEAL, E. A. A. F. B. F. president explains subsidy stand [excerpts from an address]. *Hoosier Farmer* 28(12): 6, 25-27. Dec. 1943. 280.82 H76

3876 REEMAN, E. H. Farmers do not want to be paid for not producing. *N. J. Farm and Garden* 14(12): 14-15. Dec. 1943. 6 G162

On subsidies.

3877 SPALDING, ALLAN. Food subsidies v. inflation. *New Repub.* 109: 680-683. Nov. 15, 1943. 280.8 M

3878 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. Subsidies and price control. *U. S. Libr. Cong. Leg. Ref. Serv. Pub. Aff. Bul.* 21, 26 p., processed. Washington, 1943. 280.9 Un31

Compilation of pro and con statements and arguments.

3879 U. S. OFFICE OF PRICE ADMINISTRATION. DIVISION OF RESEARCH. FOREIGN INFORMATION BRANCH. The payment of subsidies under the Canadian price ceiling. *U. S. Off. Price Admin. Div. Res. Foreign Inform. Branch. Foreign Inform. Ser.* 25, 35 p., processed. Washington, D. C. 1943. 173.403 F76

Includes details of subsidies on food and agricultural products.

#### COST AND STANDARD OF LIVING

3880 CLARK, A. H. Iceland and Greenland. *Smithsonian Inst. War Background Studies* 15, 103 p. Washington, 1943. (Pub. 3735) Ref., p. 100-103. 280 Sm65

Contains references to flora and fauna, and to living conditions.

3881 CRUZ, SALVIANO. A pesquisa e os trabalhadores do café. *DNC; Rev. do Depto. Nac. do Café [Brazil]* 20: 711-717. May 1943. 286.83 D44

Discusses a program of research which is being undertaken by the Departamento Nacional do Café on the standard of living of the Brazilian coffee worker.

3882 EMPLOYMENT, income, and the cost of living. *Econ. Rev. [Puerto Rico]* 5, i. e. 8(1): 12-15. Jan.-Sept. 1943. 287 Ec7

Gives reasons for labor shortage on coffee and tobacco lands.

3883 HOPPER, W. C. Income and food consumption. *Canad. Jour. Econ. and Polit. Sci.* 9: 487-506. Nov. 1943. 280.8 C162

Presents results of studies to show the relationship between household income and quantities purchased of milk, cream, cheese, eggs, meat, fish, and fresh fruit and vegetables. Rural groups are included.

3884 NOBLE, K. F. Cost-of-living controls in Australia. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 413-414. Nov. 20, 1943. 286.8 C16

3885 TORRES, VASCONCELOS. Padrão de vida do trabalhador rural. *Brasil Açucareiro* 21: 597-604. June 1943. 65.8 B73

#### FARM MANAGEMENT AND LAND ECONOMICS

3886 CHAUDHRY, M. Estate farming in India. X. The Pilibhit estate. *Indian Farming* 4: 202-203. Apr. 1943. 22 In283

Management of the estate.

3887 CULVER, AL. Strike a bargain. 111. *Agr.* 48(1): 12. Oct. 1943. 6 I16

A discussion of the father-son farming arrangements.

3888 DAVE, C. V. The economic aspect of farming over four years. *Bristol. Univ. Agr. and Hort. Res. Station (Natl. Fruit and Cider Inst.). Ann. Rpt.* 1942: 143-153. 84 B77

Analyzes economic and financial results of operating 118 farms for 1941/42.

3889 HARDIN, L. S. Simplifying farm work. *Amer. Soc. Farm Managers and Rural Appraisers. Jour.* 7: 108-110. Oct. 1943. 281.8 Am32

3890 PEARSON, H. S. Ten weaknesses on the average farm. *Your Farm* 2(2): 48-50. Dec. 1943. 6 Y8

3891 SMITH, D. V. Fate made her a farmer. *N. J. Farm and Garden* 14(12): 10, 11, 45. Dec. 1943. 6 G162

On the care and management of the Walchester orchards, Hunterdon County, by D. W. Allen.

3892 STRUCKMAN, R. P. Each farm works best when three farms are managed to run like one. *Mont. Farmer* 31(6): 1. Nov. 15, 1943. 6 M764

Story of a combined dairy, beef, and hog farm, with each type of enterprise operated respectively by three sons and the farm as a whole supervised by the father.

3893 \*WAGNER, H. Hofbesitzer und hofkarte. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 227. Apr. 17, 1943.

Relates to farm management.

3894 WHAT about the Russian farmer. *Mo. Ruralist* 84(21): 1, 8. Nov. 13, 1943. 6 R8891

Chiefly on collective farming.

3895 WRIGHT, K. T. Farm management in wartime. *Amer. Soc. Farm Managers and Rural Appraisers Jour.* 7: 67-72. Oct. 1943. 281.8 Am32



Cost of Production

3886 BÓREA, DOMINGO. Resultados económicos de las explotaciones rurales. Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.) 1941: 417-426. 1942. 9 J82

Analyzes the elements entering into the determination of production costs of agricultural products.

3897 FERGUSON, D. B. Costs and returns in growing and harvesting canning factory tomatoes. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 451, 21 p., processed. Ithaca, 1943. 281.9 C81

Farm Bookkeeping and Records

3898 BELDA FILHO, JOAO. Subsídio a padronização legal da contabilidade das cooperativas. II. São Paulo, Brazil. Sec. da Agr., Indústria e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(29): 2. Feb. 1943. 280.28 C7872

Terminology and definitions to be used in the accounting operations of cooperatives, including agricultural cooperatives.

3899 BELL, E. A. Farm taxation and farmers' accounts. Supplementary notes. Highland and Agr. Soc. of Scotland. Trans. 5th ser. (1943): 70-73. 10 H536

3900 CASE, H. C. M. Farm records for professional farm managers. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 102-106. Oct. 1943. 281.8 Am32

3901 ELLIOTT, G. C. Farm accounts and the farm manager. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 86-91. Oct. 1943. 281.8 Am32

3902 FELICIO, PEDRO. Contabilidade das sociedades cooperativas. Ceará, Brazil. Sec. da Agr. e Obras Púb. Depto. Estadual de Cooperativismo. Cooperação 1(6): 5, 6. Dec. 1942. 280.28 C781

3903 GOWLAND, R. W. Systems of records and reports for professional farm managers. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 91-99. Oct. 1943. 281.8 Am32

3904 MAY, C. O., and HAIST, A. H. Summary of the 1942 farm business reports; an analysis of 1,160 Michigan farm records. Mich. Agr. Expt. Sta. Quart. Bul. 26: 104-114. Nov. 1943. 100 M58S

3905 NASCIMENTO, J. A. do. Contabilidade agrícola; funções e aplicações. Ceará, Brazil. Sec. da Agr. e Obras Púb. Depto. Estadual de Cooperativismo. Cooperação 1(2): 4-6; (3): 4-6; (4): 7-9; (5): 18-21; (6): 24-28; 2(7): 26. Aug.-Dec. 1942, Jan. 1943. 280.28 C781

3906 POND, G. A. Systems of records and reports for professional farm managers. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 100-102. Oct. 1943. 281.8 Am32

3907 SÃO PAULO, BRAZIL. SECRETARÍA DE ESTADO DOS NEGÓCIOS DA AGRICULTURA, INDÚSTRIA E COMÉRCIO. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. A contabilidade nas cooperativas. São Paulo, Brazil. Sec. de Estado dos Negócios da Agr., Indústria e Com.. Depto. de Assistência ao Cooperativismo. Pub. 114, 48 p. São Paulo, 1943. 280.29 Sa6

Land Settlement and Colonization

3908 ABAD OJUEL, A. Hacia una doctrina nacional: el ruralismo. Surco [Madrid] 2(16): 19-20. June 1943. 15 Su7

On the application of a philosophy of ruralism in Spain, based upon a policy of getting the people on good land.

3909 BARGER, CECIL. Alaska; our future frontier. Mo. Ruralist 84(21): 6, 23. Nov. 13, 1943. 6 R8891

Includes discussion of agriculture with special reference to the homestead laws of Alaska.

3910 BIRKETT, C. B. New Zealand Servicemen's Settlement and Land Sales Act. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 360-361. Nov. 6, 1943. 286.8 C16

3911 BIRKETT, C. B. Rehabilitation of New Zealand servicemen. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 470-471. Dec. 11, 1943. 286.8 C16

Includes land settlement plans.

3912 LAND settlement for ex-servicemen. Agricultural Central Committee's recommendations. African World 165(2137): 60. Oct. 23, 1943. 286.8 Af8

Outlines recommendations for post-war settlement in Southern Rhodesia.

3913 LOCKER, BERL. Illusions and realities. Palestine and Middle East 15: 167-168. Sept. 1943. 286.8 P172

Critical of the refugee settlement in the Dominican Republic.

3914 ROBERTSON, MALCOLM. Settling soldiers on the land; co-operative farming may help. Land [Sydney], No. 1654, p. 33. Aug. 25, 1943. 23 L22

Proposal for large-scale co-operative farming in Australia.

3915 SEIFERT, H. A. New Zealand's revolutionary land legislation. Stock and Land 33(38): 4, 5. Sept. 22, 1943. 49 St63

Discusses the Servicemen's Settlement and Land Sales Bill.

3916 SHAW, C. L. B.C. plans for returned men. Country Guide 62(11): 3. Nov. 1943. 7 G76

Describes in part the plans to rehabilitate returning soldiers and sailors on farms in British Columbia.

3917 SPAIN. INSTITUTO NACIONAL DE COLONIZACIÓN. Colonización y Frente de Juventudes. Surco [Madrid], No. 15, Sup., p. 14. May 1943. 15 Su7

How the Frente de Juventudes may help in the land settlement work through education of the settlers.

3918 YISRAELI, A. Pioneer settlers from England. Palestine and Middle East 15: 173-174. Sept. 1943. 286.8 P172

Discusses the youth movement "Habonim" and the agricultural groups it has started to train for settlement in Palestine.

Land Tenure

3919 ADDISON, REED. Land-hungry Uncle Sam. Nation's Business 31(12): 98-99. Dec. 1943. 286.8 N212

Information on land owned by the Federal Government.

3920 DAVIS, L. G. Peaches, poultry, and prosperity. Prog. Farmer, Ga.-Ala.-Fla. Ed. 58(11): 24. Nov. 1943. 6 P945G

Story of a tenant farmer who purchased his farm with the aid of the U. S. Farm Security Administration.

3921 DUNCAN, O. D. Hypotheses in land tenure research. Jour. Farm Econ. 25: 860-868. Nov. 1943. 280.8 J822

3922 GREENE, H. W. Tuning in with the farm tenant. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 78-79. Oct. 1943. 281.8 Am32

Relations between professional farm manager and tenant.

3923 \*HENKEL. Kriegsbedingter landnutzungs-tausch. Landesbauernschaft Württemberg. Wchnbl. 110: 272. Apr. 24, 1943.

The problem of fragmentation of agricultural holdings and an exchange system of lands as a wartime solution.

3924 HOFFSOMMER, HAROLD. Husbandry--to hold and cherish. Land and Home 6: 95-97. Dec. 1943. 281.28 C28

Definition, forms, and social-economic implications of land tenure.

3925 KUTISH, FRANCIS. Buying a farm or a heartache. Capper's Farmer 54(12): 8, 39. Dec. 1940. 6 M693

Factors to be considered when buying a farm.



3926 MOODIE, A. W. S. Farm tenancy in New South Wales. The Agricultural Holdings Act, 1941, and its application. (Concl.) Agr. Gaz. N. S. Wales 54: 451-453. Oct. 1943. 23 N472

3927 ORWIN, C. S., and PROBY, R. G. Should the nation own the land? - The problem opened for discussion. Dairy Farmer [Ipswich] 16(11): 8-10. Nov. 1943. 44.8 D1414

3928 PENN, R. J. Tenure situation in the North Central Region: 1940-1944. Jour. Land and Pub. Util. Econ. 19: 370-376. Aug. 1943. 282.8 J82

3929 SANTAELLA, JOAQUIN. La tragedia del campo. Economista [Mexico] 10(113): 27-28. Nov. 1, 1943. 280.8 Ec793

Urges the necessity of having legal guarantees for the small rural property.

3930 SCOTLAND'S land system; the owners' case against nationalisation. Farming News and No. Brit. Agr. 95(46): 2. Nov. 5, 1943. 10 N82

3931 SILKIN, LEWIS. The nation's land; the case for nationalisation. Fabian Pub. Ltd., Res. Ser. 70, 26 p. London, Gollancz, 1943. 282.171 S13

3932 ULLOA S., A. G. Estudios agrícolas desde México. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(35): 49-51. July/Sept. 1943. 9.5 M31

Observations on the Mexican ejido.

#### Land Utilization

3933 ARIZONA. STATE LAND COMMISSIONER. Thirty-first annual report... July 1, 1942, to June 30, 1943, inclusive. 19 p. Phoenix, 1943. 252.05 L22

Contains statistics on State lands and their use and disposal.

3934 COPE, J. P. The townsman's duty to the soil. Com. Opinion 21: 80. Sept. 1943. 287 C73

Outlines the aims of the National Veld Trust in the Union of South Africa.

3935 STODDART, L. A. Planning the use of range lands in the Wasatch front area of Utah. Utah Agr. Expt. Sta. Farm & Home Sci. 4(4): 8-10. Dec. 1943. 100 UtlF

3936 WAGAR, J. V. K. Recreation in relation to multiple land use in the West. Jour. Forestry 41: 798-802. Nov. 1943. 99.8 F768

3937 WEHRWEIN, G. S. The administration of rural zoning. Jour. Land and Pub. Util. Econ. 19: 264-291. Aug. 1943. 282.8 J82

#### Land Values and Valuation

3938 BERGER, R. L. Land values and transfers, second quarter 1943, North Dakota. N. Dak. Agr. Expt. Sta. Bimonthly Bul 6(1): 10-13. Sept. 1943. 100 N813B

3939 DUNLAP, J. E., JR. What is cheap land? Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 76-77. Oct. 1943. 281.8 Am32

3940 GRAY, ALBERT. The farm boom danger. Hoard's Dairyman 88: 632. Nov. 10, 1943. 44.8 H65

Brief review of effects of war on land and agricultural-products price inflation and depression in the U. S.

3941 GRAY, D. S. What is cheap land? Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 73-75. Oct. 1943. 281.8 Am32

3942 HAMMAR, C. H. A reaction to land value control proposals. Jour. Farm Econ. 25: 822-834. Nov. 1943. 280.8 J822

3943 MURRAY, G. C. Trend of farm land values. Calif. State Assoc. of County Assessors. Papers and Proc. (1942) 40: 33-34. 284.59 C125

3944 SCHOFIELD, W. R. The appraisal of grazing lands. Calif. State Assoc. of County Assessors. Papers and Proc. (1942) 40: 15-16. 284.59 C125

3945 SMITH, W. J. The capitalization rate as applied to rural appraising in western Canada. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 7: 80-83. Oct. 1943. 281.8 Am32

Discussion, by E. E. McAnelly, p. 84-85.

#### POPULATION

3946 BERRY, W. J. The capacity of the United States to support population. Comments by six British geographers. Geog. Jour. 102: 56-62. 1943. 472 G29

3947 CONI, E. A. Campo y ciudad; causas de la concentración urbana argentina. Jornadas Agron. y Vet. (Buenos Aires. Univ. Facultad de Agron. y Vet.) 1941: 181-192. 1942. 9 J82

Brings out trends in the rural population, the numbers engaged in agriculture, increase in the productivity of the rural population, and ways to combat the rural exodus.

3948 ROSS, A. D. The cultural effects of population changes in the eastern townships [of Quebec Province]. Canad. Jour. Econ. and Polit. Sci. 9: 447-462. Nov. 1943. 280.8 C162

Study of a large rural area in which invasion of an outside ethnic group has taken place and the effect of this invasion upon the invaded group.

#### RURAL SOCIAL ORGANIZATION

##### Institutions

2949 BAHIA, BRAZIL. SECRETARIA DA AGRICULTURA, INDUSTRIA E COMERCIO. DEPARTAMENTO DE ASSISTENCIA AO COOPERATIVISMO. Clubes de estudo. Bahia, Brazil. Sec. da Agr., Indus. e Com. Depto. de Assistencia ao Cooperativismo. Bol. 4, 49 p. São Salvador, 1942. 280.29 B14

Consists of papers by Valdiki Moura, Gerald Richardson, and J. P. Warbasse on study clubs. The rural aspect is touched upon in Senhor Moura's paper.

3950 BALDWIN, D. K. Fairs in '43. Minn. State Agr. Soc. Ann. Rpt. (1941/42) 84: 321-324. 1942. 2 M66R

3951 BARLOW, HOWARD. Agriculture's new frontier. Amer. Farm Youth 9(6): 11, 24-25, 29. Nov. 1943. 6 Am393

Winning speech in the National F. F. A. public speaking contest, at the 16th National F. F. A. Convention.

3952 BORAH, L. A. Home folk around historic Cumberland Gap. Natl. Geog. Mag. 84: 741-768. Dec. 1943. 470 N213

3953 CHORLTON, A. E. Potent possibilities of the Y. F. C. Field 182: 475. Nov. 6, 1943. 10 F45

The development of the Young Farmers Club movement should be encouraged for its educational possibilities and as a factor in developing rural social intercourse.

3954 COLBY, L. B. Merit awards to farmers: Skelly's institutional four-star hit. Sales Managt. 52(24): 18-20. Nov. 20, 1943. 280.38 Sa3

Weekly award to outstanding farmers by W. G. Skelly, Tulsa, Okla.

3955 CUMMINGS, BETH. There's plenty doing here. Farm Jour. 67(12): 41, 51. Dec. 1943. 6 F2212

"How two Michigan communities provide recreation for youngsters."

3956 DORAN, P. E. The mountain church. Mountain Life and Work 19(4): 1-3. Autumn 1943. 281.28 M86

3957 DREISBACH, A. R. Inter-American cooperation in health work. Hygeia [Chicago] 21: 854-855, 889-890. Dec. 1943. 449.8 H993

On the program and the people it will benefit, including rubber workers and workers on quinine and fiber plantations.

Similar study by this author in Jour. Health and Phys. Ed. 14: 523-524, 554-557. Dec. 1943. 449.8 J822

2958 EPSTEIN, ELIYAHU. The Ismir Fair. Palestine and Middle East 15: 150-151. Aug. 1943. 286.8 P172



- 3959 FIFE, RAY. "Made-to-order" adult schools for farmers in Ohio. Ohio Farm Bur. News 23(5): 20. Dec. 1943. 6 Oh34
- 3960 FLEISHER, SUSAN. Preschool education for migrants. Childhood Ed. 20: 181-183. Dec. 1943. 320.8 C435
- Nursery school program at Woodville Farm Labor Supply Center, California.
- 3961 FOSTER, F. C. Educational development in the Southern mountains. Mountain Life and Work 19(4): 6-9. Autumn 1943. 281.28 M86
- 3962 FOX, H. V. Friends of the Land. Forest Leaves 33(4/5): 3, 16. July-Oct. 1943. 99.8 F763
- Sketch of the organization, meetings, program, and leadership of Friends of the Land.
- 3963 GRAY, L. C. Changes in the country school. Farmer's Mag. 40(11): 17, 21. Nov. 1943. 7 C165
- 3964 HODGKIN, CARLYSLE. What effect do State and county fairs have on agricultural progress in Nebraska. Nebr. Assoc. Fair Managers. Ann. Meeting, 33rd, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 106-111. 2 N27R
- 3965 JOHANSEN, SIGURD. Family organization in a Spanish American culture area. Sociol. and Social Res. 28: 123-131. Nov./Dec. 1943. 280.8 S015
- Deals with eight selected Spanish-American villages and hamlets in Dona Ana County, New Mexico.
- "A revision of a section of the writer's doctoral dissertation on 'Rural Social Organization in a Spanish-American Culture Area.'"
- 3966 JOHNSON, E. J. Planning and carrying out a (Future Farmers of America) Chapter program of work. Amer. Farm Youth 9(6): 18. Nov. 1943. 6 Am393
- 3967 KLEMONDSON, L. D. The community service center. Agr. Ed. Mag. 16: 84-85. Nov. 1943. 275.8 Ag8
- Services a community center can perform for the family-size farm.
- 3968 LIVERS, D. L. Fairs must carry on. Nebr. Assoc. Fair Managers, Ann. Meeting, 33rd, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 133-136. 2 N47R
- Fairs should not be discontinued during wartime.
- 3969 MARTÍNEZ, SALUSTIO. Primer concurso provincial de arada en Cuenca. Surco [Madrid], No. 15, Sup., p. 4-5. May 1943. 15 Su7
- A description of the fair.
- 3970 O'KELLEY, G. L. The development of criteria for the selection of prospective teachers of vocational agriculture. Agr. Ed. Mag. 16: 94-95, 98. Nov. 1943. 275.8 Ag8
- 3971 OLNEY, R. A. Two essential teacher activities in directing the planning of pupils' supervised farming programs. Agr. Ed. Mag. 16: 88, 89. Nov. 1943. 275.8 Ag8
- 3972 PHIPPS, L. J. Procedures in organizing rural war-production training courses. Agr. Ed. Mag. 16: 93. Nov. 1943. 275.8 Ag8
- 3973 POE, CLARENCE. How can we strengthen country churches? Prog. Farmer, Miss.-Ark.-La. Ed. 58(12): 46. Dec. 1943. 6 So81
- 3974 PROGRESS report of the State Health Planning Committee, September 1941 to February 1942, to Second State Conference on the Medical Care and Health of Rural People. Nebr. Home Econ. Sect. of Organized Agr. Ann. Meeting Rpt., 37th, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 320-330. 2 N47R
- 3975 ROMERO MONTERO, R. La Escuela de Jardinería de Aranjuez para aprendices rurales del Frente de Juventudes. / Surco [Madrid], 2(16, Sup.): 2. June 1943. 15 Su7
- 3976 ROMERO MONTERO, R. Juventud campesina. Surco [Madrid], 2(16, Sup.): 3-4. June 1943. 15 Su7
- Notes that a publication for agricultural youth is being started in Spain and describes the work that is to be done by the Consejo de Capacitación Rural.

3977 ROWE, B. M. Books for the asking. Farmer 61(21): 1, 22, 23. Nov. 1943. 6 F2211

County library activities in Minnesota, including account of the WPA library demonstration in Watonwan County, sponsored by the American Farm Bureau Federation.

3978 SCHIEFFELBEIN, E. S. Effect of new corporation laws on county fairs. Nebr. Assoc. Fair Managers. Ann. Meeting, 33rd, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 92-96. 2 N27R

3979 SCHULTZ, EDWIN. Cooperation of State and county fairs. Nebr. Assoc. Fair Managers. Ann. Meeting, 33rd, 1942. In Nebr. State Bd. Agr. Rpt. 1942: 127-131. 2 N47R

3980 TRAMMELL, F. D. Boys of Bagdad, Kentucky, bag an FFA Chapter medal. Agr. Leaders' Digest 24 (9): 28-31. Nov. 1943. 275.28 Am3

Activities of the Bagdad Chapter of Future Farmers of America.

3981 WESSEL, AMY. 4-H fights for freedom on the home front. Minn. State Agr. Soc. Ann. Rpt. (1941/42) 84: 317-321. 1942. 2 M66R

3982 WILSON, T. E. 360,000,000 youth at the crossroads. Country Gent. 113(12): 12, 36. Dec. 1943. 6 C833

Gives an account of activities of members of the 4-H clubs of America, stresses the effectiveness and importance of this youth movement and outlines a program designed to promote the 4-H idea in other continents.

#### Human Ecology

3983 HSU, Y. Y. The pao-chia system in China. Far East. Survey 12: 236-238. Dec. 8, 1943. 280.9 In782

Studies the effect of this system of administration upon the old village organization.

3984 HURST, F. J. "Lucky city." Better Crops with Plant Food 27(8): 25-26, 48-50. Oct. 1943. 6 B46

Tells about Gluckstadt, a farm community in Madison County, Mississippi.

3985 JENKINS, W. J. Village developmental projects in Bombay Province. Bombay Co-op. Quart. 26: 145-151. Dec. 1942. 280.28 B63

3986 McGUIRE, B. Arab life in Syria - through the eyes of a private. Roy. Army Med. Corps. Jour. 15(1): 13-15. Nov. 1943. 41.8 G79

Discusses agriculture and life in the agricultural communities.

3987 SHEFRIN, F. Community wartime agricultural committees. Econ. Annal. 13: 74-77. Nov. 1943. 280.8 Ec75

#### Rural Organizations and Movements

3988 ALCÍVAR CASTILLO, GONZALO. Estudio sintético acerca de las sociedades cooperativas. (Cont. and to be cont.) Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(35): 34-35-45. July/Sept. 1943. 9.5 M31

3989 ALI, C. A., KHAN BAHADUR, and CHATTERJEE, SANATKUMAR, RAI BAHADUR. Recent trends of the co-operative movement in Bengal. Indian Co-op. Rev. 9: 134-142. Apr./June 1943. 280.28 In2

3990 BAHIA, BRAZIL. SECRETARIA DA AGRICULTURA, INDÚSTRIA E COMÉRCIO. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Legislação cooperativista. Bahia, Brazil. Sec. da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Bol. 1, 91 p. São Salvador, 1941. 280.29 B14

A collection of Brazilian Federal and State laws pertaining to cooperation, including agricultural co-operatives.

3991 BHAGWAT, N. P. Consumers' co-operation in Bombay. Bombay Co-op. Quart. 26: 151-155. Dec. 1942. 280.28 B63



- 3992 \*BORKENHAGEN, ERICH. Gemeinschaftsleistung aus der Selbsthilfe; 10 Jahre Genossenschaftsarbeit unter nationalsozialistischer Führung. Landesbauernschaft Bayern. Wchnbl. 133: 242. Apr. 17, 1943.  
Agricultural cooperatives under National Socialism.
- 3993 BRASIL, SILVEIRA. O cooperativismo é uma necessidade. Ceará, Brasil. Sec. da Agr. e Obras Púb. Depto. Estadual de Cooperativismo. Cooperação 2(7): 14-15. Jan. 1943. 280.28 C781  
Importance of cooperatives in an essentially agricultural country such as Brazil.
- 3994 CALLAGHAN, A. E. Organize or be damned! Rural producers must achieve unity. Present sectionalism deplored. Tasmanian Fruitgrower and Farmer 28 (244): 15. Oct. 7, 1943. 23 T185  
Urges Australian farmers to organize for the future.
- 3995 CANADA, T. L., and COWDEN, T. K. More about our Indiana co-ops; accounts receivable - habit or credit? Hoosier Farmer 28(11): 29-30, 33. 280.82 H76  
Financial accounts of farm supply cooperatives.
- 3996 O CASO da Cooperativa Banco Rural de Santo Amaro. Texto da informação prestada ao Juízo federal (Contribuição ao estudo e prática do capítulo da intervenção). Bahia, Brasil. Sec. da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Coop 2(20): 14-25. Apr. 1943. 280.28 C7842
- 3997 COUTO, A. V. do. Panorama da legislação cooperativa brasileira. São Paulo, Brasil. Sec. de Estado dos Negócios da Agr., Indús. e Com., Depto. de Assistência ao Cooperativismo. Pub. 112, 18 p. São Paulo, 1943. 280.29 Sa6  
Includes agricultural cooperatives.
- 3998 DESAI, R. J. Co-operative movement and the commercial community. Bombay Co-op. Quart. 26: 155-158. Dec. 1942. 280.28 B63  
Deplores backward condition of agricultural masses.
- 3999 GUITT, GÉRARD. Le milieu gaspésien et la coopération. La Forêt Québécoise 6: 291-296. Dec. 1943. 99.8 F79
- 4000 \*HOFER. Nachbarschaftshilfe. Landesbauernschaft Ostpreussen, Georgine. Wchnbl. 120: 179. Mar. 27, 1943.  
Discusses cooperation among neighbors in farm work.
- 4001 HOLLINGSWORTH, CARMEL. The need for co-operative, farm organizations in the post war world. Carolina Coop. 21(11): 4, 5. Nov. 1943. 72.8 N81
- 4002 KAJI, H. L., DEWAN RAHADUR. Impressions of the Joint Meeting of the Standing Committees of the All India Co-operative Institutes' and Banks' Associations. Indian Jour. Co-op. 9: 147-150. Apr./June 1943. 280.28 In2
- 4003 KNAPP, J. G. Canadian co-ops on the march. News for Farmer Coop. 10(8): 5-6, 17. Nov. 1943. 166.2 N47  
A survey of Canadian cooperative organizations including agricultural ones, and their activities.
- 4004 LANG, A. H. Norwegian co-operation in 1942. Rev. Internatl. Co-op. 36: 152-154. Oct. 1943. 280.28 In8B
- 4005 LINCOLN, M. D. Our unorganized farmers are looking to us. Ohio Farm Bur. News 23(5): 7. Dec. 1943. 6 Oh34  
On the advantages of belonging to the Ohio Farm Bureau Federation.
- 4006 MARQUES, NONATO. Iniciação cooperativista. Bahia, Brasil. Sec. da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Bol. 5, 91 p. São Salvador, 1942. 280.29 B14  
A general discussion of cooperatives and their organization, including agricultural and credit cooperatives.
- 4007 MEHTA, G. D. Co-operative consumers' stores. Bombay Co-op. Quart. 26: 159-165. Dec. 1942. 280.28 B63  
Traces development of cooperation in India which started with agricultural credit.
- 4008 MENEZES, R. B. de. Os intermediários e as cooperativas. Ceará, Brasil. Sec. da Agr. e Obras Púb. Depto. Estadual de Cooperativismo. Cooperação 1(6): 7-8. Dec. 1942. 280.28 C781  
The role of cooperatives in eliminating the middleman in marketing and giving the public products at a lower price. Agricultural products are used as examples.
- 4009 MUSEO SOCIAL URUGUAYO. El cooperativismo. Museo Soc. Uruguayo. An. 2, 41 p. Montevideo, 1941. 516 M762
- 4010 PALMER, R. A. The co-operative movements in occupied Europe. A conference address. Rev. Internatl. Co-op. 36: 145-152. Oct. 1943. 280.28 In8B
- 4011 RAMAKRISHNAN, K. C. A provincial federation of Madras, co-operative stores. Indian Co-op. Rev. 9: 110-115. Apr./June 1943. 280.28 In2
- 4012 RICHARDS, A. E., and LALONDE, LUCIENNE. Co-operation in Canada 1942. Econ. Annal. 13: 63-69. Nov. 1943. 280.8 Ec75
- 4013 SCANLAN, J. J. Neighborhood cooperation a solution to shortage problems. Nulaid News 21(7): 8-9. Oct. 1943. 47.8 N917
- 4014 SCHEIBEL, LAVINIA. Embrides de cooperativismo: o "mexirão" e a "troca de dias de serviço" - formas de cooperação genuinamente brasileiras. São Paulo, Brasil. Sec. de Estado dos Negócios da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Pub. 113, 23 p. São Paulo, 1943. 280.29 Sa6  
Describes two types of labor cooperation practiced by Brazilian farmers.
- 4015 SHERMAN, V. C. Singing cooperators hold "war picnics." News for Farmer Coop. 10(8): 12-13. Nov. 1943. 166.2 N47  
Tells about the picnics held by the Farmers Federation Cooperative in the mountain counties of North Carolina and reviews the accomplishments of the association.
- 4016 SILVA, B. Q. da. O cooperativismo na produção agrícola. São Paulo, Brasil. Sec. da Agr., Indús. e Com. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(29): 1. Feb. 1943. 280.28 C7872  
Brief note on progress and activities of agricultural cooperatives in São Paulo.
- 4017 TAYLOR, L. A. Why Farm Bureau membership pays; from the report of assistant secretary L. A. Taylor, on November 18, before the 25th annual meeting of the Ohio Farm Bureau Federation. Ohio Farm Bur. News 23 (5): 8. Dec. 1943. 6 Oh34
- 4018 THATCHER, M. W. Co-ops and collective bargaining. GTA Digest 3(12): 11-16. Nov. 25, 1943. 280.28 G11  
Review of the achievements of the Farmers Union Grain Terminal Association.
- 4019 U. S. BUREAU OF LABOR STATISTICS. Directory of consumers' cooperatives in the United States, as of January 1, 1943. U. S. Bur. Labor Statis. Bul. 750, 93 p. Washington, 1943. 158.6 B87  
Farmers' marketing or processing and farmers' purchasing associations are included where they handle consumers' goods or provide consumer services.
- 4020 WILSON, J. P. Chilean cooperatives. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 236-237. Dec. 1943. 1 F752A  
Discussion of a few of the agricultural cooperatives.
- 4021 ZABARSKY, A. Palestine cooperative movement; vital force in national and social reconstruction. Palestine and Middle East 15: 152-154. Aug. 1943. 286.8 P172  
Includes agricultural and credit cooperatives.
- RURAL SOCIAL PSYCHOLOGY
- 4022 BROMFIELD, LOUIS. Farmers think too little of themselves. Farm Jour. 67(12): 19. Dec. 1943. 6 F2212



- 4023 MOORE, ARTHUR. Tomorrow's farmer. Atlantic 172: 86-89. Dec. 1943. 110 At  
Suggestions for a new agrarianism, some of the attitudes it might include, and its possible influence on the economic and political future of the country.

## TRADE, FOREIGN AND INTERNATIONAL

- 4024 BEE, J. M. Modern Egypt: 3. Anglo-Egyptian trade prospects. Gt. Brit. and the East 60(1691): 17-18, 39. Oct. 23, 1943. 286.8 N27

Agricultural products included.

- 4025 BOWER, R. P. Conditions in Newfoundland in 1942. II. Imports of interest to Canada. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 355-360. Nov. 6, 1943. 286.8 C16

Agricultural products are included.

- 4026 CHRISTOPHERSEN, RICARDO. Nuestro intercambio comercial con Chile. Uruguay. Min. de Canad. y Agr. Dir. de Agron. Secc. Econ. y Estadís. Agr. Mercados del Mundo 6(22): 1-2. Aug. 1942. 286.9 Ur82

Includes trade in agricultural products. Tables are appended, p. 2-4.

- 4027 GROCE, F. M. El convenio comercial argentino - español y su repercusión en la economía de Mendoza. Vinos, Viñas y Frutas 39: 90-93. Aug. 1943. 9 Ag89

- 4028 DEPOCAS, J. C. Foreign trade of Uruguay in 1942. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 388-391. Nov. 13, 1943. 286.8 C16

Agricultural products are included.

- 4029 DYKSTRA, WALING. Co-ordination in international cooperative trading. Consumers' Coop. 29: 102-105. Oct. 1943. 280.28 C786

Includes trade in agricultural commodities.

- 4030 \*GRAAFF, A. de. Struktur und entwicklung des südamerikanischen aussenhandels seit kriegsbeginn. (II). Die bedeutung der entwicklung des aussenhandels für die einzelnen südamerikanischen staaten. Weltwirtschaft. Arch. 57: 364-404. Mar. 1943.

- 4031 HEXNER, ERVIN. International cartels in the postwar world. South. Econ. Jour. 10: 114-135. Oct. 1943. 280.8 So84

General discussion of cartels, including those which control agricultural commodities.

- 4032 McKENZIE, D. G. Food may open up export markets. Canad. Business 16(12): 36-37, 158. Dec. 1943. 287 C162

How Canada's participation in the effort to secure freer distribution of foodstuffs after the war may help both agriculture and industry.

- 4033 MAFFERY, AUGUST. Foreign trade classification problems of the American republics. Estadística Mexico, 1(3): 108-114. Sept. 1943. 251.8 Es8

- 4034 PAREJA, JOSÉ. Peruvian trade with South America. Com. Pan Amer., v. 12, No. 7, 5 p. July 1943. 280.8 C736

- 4035 PATTERSON, GARDNER. The export-import bank. Quart. Jour. Econ. 58(1): 65-90. Nov. 1943. 280.8 Q2

History of the bank and its operations, touching on its aid to international trade in agricultural products, and outlining its aid to Central and South American countries.

- 4036 PETERS, L. A. H. As another sees it. U. S. Bur. Agr. Econ. Land Policy Rev. 6(4): 22-24. Winter 1943. 1 Ec7La

Dependence of the Netherlands upon international trade for its food supply.

- 4037 U. S. DEPT. OF STATE. Reciprocal trade agreement between the United States of America and Mexico signed at Washington December 23, 1942. U. S. Dept. State. Exec. Agreement Ser. 311, 81 p. Washington, 1943. (Pub. 1941) 150 Ex3

Includes provision for agricultural products.

- 4038 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. The reciprocal trade agreements program, June 1934 - April 1943. U. S. Lib. Cong. Leg. Ref. Serv. Pub. Aff. Bul. 19, 107 p., processed. Washington, D. C., 1943. 280.9 Un31

Summary of the program and of arguments for and against it. Appendix tables show how international trade in agricultural products is affected by the agreements.

- 4039 WAUGH, F. V. Possibilities in world food marketing and distribution. U. S. Bur. Agr. Econ. Land Policy Rev. 6(4): 14-17. Winter 1943. 1 Ec7La

## FOOD AND HUMAN NUTRITION

## GENERAL

- 4040 ALLEE, R. H. What the conference accomplished. U. S. Bur. Agr. Econ. Land Policy Rev. 6(4): 18-21. Winter 1943. 1 Ec7La

- 4041 ARISTIDES MACHADO, J. Conceptos sobre alimentación. Buenos Aires, Argentina (City). Boletín de Cereales. Rev. 31(1617): 8, 18, 23, 25-26. Sept. 25, 1943. 287 B866

- 4042 AYKROYD, W. R. The United Nations Conference on Food and Agriculture. Current Sci. India, 12: 217-220. Aug. 1943. 475 Sci23

- 4043 BALART, B. D. Brewing better coffee for our armed forces. (To be cont.) Spice Mill 66(11): 30. Nov. 1943. 389.8 Sp4

- 4044 BANKS, E. S., and BROWNSTONE, CECILY. Substantial main dishes. Parents' Mag. 17, i. e. 18 (12): 58-59, 62. Dec. 1943. 320.8 C433

- 4045 BEHARI LAL, GOBIND. Seven new wonders of nutrition. Jour. Living 9(6): 9-16. Dec. 1943. 389.8 J822

- 4046 BERNHEIM, A. R. For better nutrition. Amer. Jour. Digest. Dis. and Nutr. 10: 425-427. Nov. 1943. 448.2 Am324

- 4047 BOSLEY, BERTLYN. A tested method for the teaching of nutrition in the elementary school. Health and Physical Ed. 14: 466-468, 500-501. Nov. 1943. 449.8 J822

- 4048 BRITISH INFORMATION SERVICES. Nutrition in wartime Britain. Brit. Inform. Serv. Inform. Div. A. D. 351, 13 p. Washington, 1943. 280.9 B772

- 4049 BROWNSTONE, CECILY. Nutrition course for mothers, for families, parent-teacher associations, mothers' clubs, child study and other groups and individuals interested in good nutrition. Parents' Mag. 17, i. e. 18 (12): 84. Dec. 1943. 320.8 C433

- 4050 CARQUE, OTTO. Meat - the worst and most expensive food. Human Cult. Digest 51(10): 5-6. Oct. 1943. 389.8 V62

- 4051 CARR, L. G. Survival foods of the American aborigine. Amer. Dietet. Assoc. Jour. 19: 845-847. Dec. 1943. 389.8 Am34

- 4052 CONFERENCIA de Alimentación y Agricultura de las Naciones Unidas. Vida Agr. 20: 481, 483, 485, 487, 489, 491-496. July 1943. 9.8 V66

- 4053 CONNELLY, M. C. A work program for the dietitian's aide. Amer. Dietet. Assoc. Jour. 19: 854-855. Dec. 1943. 389.8 Am34

- 4054 DAVIS, MRS. R. F. Goat milk helps baby's appetite. Dairy Goat Jour. 21(10): 9. Dec. 1943. 40.18 M592

- 4055 DICHTER, ERNEST. Getting your family to eat right. Jour. Living 9(6): 35-42. Dec. 1943. 389.8 J822

- 4056 ELVEHJEM, C. A. The nutritional requirements of man. Smithan. Inst. Ann. Rpt. 1942: 289-298. Washington, 1943. 500 Sm6R

- 4058 FISHER, KATHARINE. Maybe you're wasting food without knowing it. Good Housekeeping 117(6): 92-93. Dec. 1943. 321.8 G61



- 4059 FISHER, WILLIAM. The Bengal famine. 50,000 Indians weekly succumb to disease and starvation in spreading catastrophe. *Life* 15(21): 16,19,20-21. Nov. 22, 1943. 280.8 L62
- 4060 FOLEY, G. E., WHEELER, S. M., and GETTING, V. A. Food-borne streptococcus poisoning and infection. The differentiation of staphylococcal enterotoxin from toxic substances produced in minced tissue media by hemolytic streptococci and other agents. *Amer. Jour. Hyg.* 38: 250-259. Nov. 1943. 449.8 Am3
- 4061 GAUGER, MARGUERITE. Hunter College trains for mass feeding. *Forecast* 59(9): 24-25, 50. Nov. 1943. 321.8 F76
- 4062 GELBACH, M.M. Move your victory garden indoors. *Forecast* 59(10): 15-17, 52, 54. Dec. 1943. 321.8 F76
- 4063 GÓMEZ ROSSIÉ, RODRIGO. Virtudes y cualidades terapéuticas de la leche de cabra. *Rev. Canad. Habana*, 3(8/9): 24-25. Aug./Sept. 1943. 49 R321
- 4064 GOODHART, R.S. Industrial feeding expansion. *Amer. Cookery* 48(4): 30-31, 36. Dec. 1943. 389.8 B65
- 4065 GOODNIGHT, FRANCES. Must you drink milk? *Jour. Living* 9(6): 45-48. Dec. 1943. 389.8 J822
- 4066 GREAT BRITAIN. BOARD OF EDUCATION. Food from overseas. *Gt. Brit. Bd. Ed. Food Ed. Memo.* 4, 20 p. London, 1941. 389.9 G794
- 4067 GUNDERSON, F. L., and GORTNER, R. A., JR. New trends in food and nutrition. *Northwest. Miller* 216(9): 32, 34, 36-38, 40. Dec. 1, 1943. 298.8 N81
- 4068 HARDING, T. S. Less meat--more vegetables? *Independent Woman* 22: 328, 346-347. Nov. 1943. 280.8 In26
- Relative nutritive values of meats, cereals, and vegetables.
- 4069 HARRIS, L. J. Nutrition. [London, Chem. Soc. Progress of Chem. Ann. Rpt. (1942) 39: 209-215. 1943. 382 L84A
- 4070 HOUSMAN, E.M. Feeding industrial workers solves Howard Johnson's problem. *Printers' Ink* 205(10): 28, 33-34. Dec. 3, 1943. 238.8 P932
- 4071 HUNT, L.W. Dental nutrition. *Agr. Leaders' Digest* 24(9): 47-48. Nov. 1943. 275.28 Am3
- 4072 INSTITUTO Nacional de Nutriología. Plan sucinto de trabajos. *Pan Amer. Union Bol. de la Ofic. Sanit.* 22: 769-770. Sept. 1943. 150.9 B872
- 4073 JESTER, W. B. What you can do with a pound of peanuts. *Natl. Peanut Council Year Book* 1942: 94-96. n. p., 1943? 77.9 N21
- Food value and uses for peanuts and peanut products.
- 4074 KING, C.G. The chemist in postwar nutrition. *Chemist* 20: 555-561. Dec. 1943. 381 C427
- 4075 LEARY, A. G. Nutrition "as she is spoken." *Natl. Carbonator and Bottler* 77(466): 66-67, 210, 212. Nov. 1943. 389.8 So8
- 4076 LEVERTON, RUTH. Nutrition and national defense. *Nebr. Home Econ. Assoc.* 37th Ann. Rpt. 1942. In *Nebr. State Bd. Agr. Ann. Rpt.* 1942: 336-338. 2 N27R
- 4077 LYTHEGOE, H. C. Water - the universal adulterant. *Sci. Monthly* 57: 555-563. Dec. 1943. 470 Sci23
- As necessary part of foods.
- 4078 McHENRY, K. A. The dietitian's aide program proves its worth. *Amer. Dietet. Assoc. Jour.* 19: 852-853. Dec. 1943. 389.8 Am34
- 4079 McKINNEY, FLORENCE. Does it really matter what I eat. *Mo. Ruralist* 84(22): 10-11. Nov. 27, 1943. 6 R8891
- 4080 MARCHBANKS, MODANE. The part of the nutritionist in a promotional program. *Natl. Peanut Council Year Book* 1942: 41-44. n. p., 1943? 77.9 N21
- 4081 MAYNARD, L. A. Fitting our food production program to our nutrition needs. *Certified Milk* 18(211): 3, 15-18. Nov. 1943. 44.8 C33
- 4082 MITCHELL, H.S. Planning foods for foreign relief. *Amer. Dietet. Assoc. Jour.* 19: 820-823. Dec. 1943. 389.8 Am34
- 4083 NAUDE, SUSAN. The preparation of meat. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 171, 2 p. Pretoria, 1943. 24 So82P
- 4084 NESBITT, MARION. The school lunch: a vital part of school living. *Pract. Home Econ.* 21: 421-422. Nov. 1943. 321.8 H752
- 4085 OBERG, F. B. Community canning and school lunches. *Pract. Home Econ.* 21: 411, 422. Nov. 1943. 321.8 H752
- 4086 PARKES, B.A. Edible soybeans. *Ill. Agr.* 48(1): 13. Oct. 1943. 6 Il6
- 4087 POLLOCK, R.C. Meat in the war and the post-war period. (Concl.) *Chester White Jour.* 33(11): 6-7. Nov. 1943. 46.8 W582
- 4088 PUNDT, H.M. Soya: gift from China. *Natl. Mag. Home Econ. Student Clubs* 8(2): 13-14. Nov. 1943. 321.8 N212
- 4089 ROBERTSON, J.D. Calcium metabolism and some present day problems in nutrition. *Brit. Food Jour.* 45: 91-92. Oct. 1943. 389.8 B77
- 4090 ROSS, ANN. Don't scrap your garbage. *Better Cooking and Homemaking* 5(2): 4-5. Oct. 1943. 321.8 B46
- 4091 SEBRELL, W. H., and WILKINS, WALTER. The role of the health department in the national nutrition program. *Pub. Health News* 26: 317-328. Oct. 1943. 449.7 N46P
- 4092 SHOOBRIDGE, Miss. Food values. *Tasmanian Fruitgrower & Farmer* 28(244): 27. Oct. 7, 1943. 23 Tl85
- 4093 SINGLETON, M.J. Cafeteria instruction training. *Jour. Home Econ.* 35: 631-636. Dec. 1943. 321.8 J82
- 4094 SNYDER, C. G. Flour does a war job. *Food Facts* 13(3): 1, 4. Dec. 1943. 389.8 F734
- 4095 STAFFORD, JANE. Thanks for enriched bread. *Sci. News Letter* 44: 330-331. Nov. 20, 1943. 470 Sci24
- 4096 STEPHEN, W. A. The father of the gods nurtured on honey. *Amer. Bee Jour.* 83: 461. Dec. 1943. 424.8 Am3
- 4097 STIEBELING, H.K. World food needs and ways to fill them. *U.S. Bur. Agr. Econ. Land Policy Rev.* 6(4): 7-9. Winter. 1943. 1 Ec71a
- 4098 SYDENSTRICKER, V. P. Nutrition under war-time conditions. *N. Y. Acad. Med. Bul.* 19: 749-765. Nov. 1943. 448.9 N48
- 4099 TAYLOR, DEMETRIA. Food must be saved. *Forecast* 59(9): 17-19. Nov. 1943. 321.8 F76
- 4100 TODHUNTER, E. N. Today in the field of nutrition research. *What's New in Home Econ.* 8(3): 16-17. Nov. 1943. 431.8 W55
- 4101 WAGGONER, WALTER. Rehearsal at Hot Springs. The United Nations food conference was the first victory of the peace. *Common Sense* 12: 235-238. July 1943. 280.8 C737
- 4102 WASHBURN, H.P. Here's vigor on bread. *Jour. Living* 9(6): 23-29. Dec. 1943. 389.8 J822
- 4103 WATSON, CHALMERS. British farming - nutrition research. *Vet. Jour.* 99: 279-282. Nov. 1943. 41.8 V643
- 4104 WHITE, ANN. Allergy can make you "blue." *Jour. Living* 9(6): 3-7. Dec. 1943. 389.8 J822
- 4105 WILLIAMS, A. W. Feeding the world. *Forbes* 52(11): 12-13. Dec. 1, 1943. 280.8 F74
- Nutrition problems.
- 4106 WINGERT, H. B. A is for adequate. *Parents' Mag.* 17, i.e. 18(12): 109-110. Dec. 1943. 320.8 C433
- Nutrition.
- 4107 WYCKOFF, F. R. National Consumers Food Conference at Cleveland. *Sci. Monthly* 57: 572-573. Dec. 1943. 470 Sci23



## DIETS

- 4108 BACON, J. S. D., and JENKINS, G. N. A biological method for estimation of pantothenic acid with rats, in which wheat germ is included in the basal diet. *Biochem. Jour.* 37: 492-497. Oct. 1943. 382 B52
- 4109 BEALS, R. L., and HATCHER, EVELYN. The diet of a Tarascan village. *America Indigena* 3: 295-304. Oct. 1943. 336.9 In8A
- 4110 BENNETT, M. K. Essential food requirements in wartime. *Jour. Farm Econ.* 25: 835-847. Nov. 1943. 280.8 J822
- Criticizes the dietary standards set up by nutritionists.
- 4111 BURKE, B.S., HARDING, V.V., and STUART, H.C. Nutrition studies during pregnancy. IV. Relations of protein content of mother's diet during pregnancy to birth length, birth weight, and condition of infant at birth. *Jour. Ped.* 23: 506-515. Nov. 1943. 448.8 J8291
- 4112 CAHILL, W. M., DUNNING, W. F., and SMITH, A. H. A free choice dietary study of tumor-bearing rats. *Cancer Res.* 3: 830-832. Dec. 1943. 448.8 C16
- 4113 GUMPERT, MARTIN. This diet may end Psoriasis. *Jour. Living* 9(6): 31-33. Dec. 1943. 389.8 J822
- 4114 ISKER, R. A. Milk and dairy products essential in army dietary. *Certified Milk* 18(211): 5. Nov. 1943. 44.8 C33
- 4115 JARMAN, M. B. Importance of rest, exercise and dietary regulation in the spa regimen. *Amer. Med. Assoc. Jour.* 123: 631-634. Nov. 6, 1943. 448.9 Am37
- 4116 NAUDE, SUSANNE. Selection of a good diet. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 156, 2 p. Pretoria, 1943. 24 So82P
- 4117 ROBERTS, SIDNEY, and SAMUELS, L. T. The influence of previous diet on the preferential utilization of foodstuffs. I. Fasting ketosis and nitrogen excretion as related to the fat content of the preceding diet. *Jour. Biol. Chem.* 151: 267-271. Nov. 1943. 381 J824
- 4118 SNELL, G. F. Diets vary in North Africa. *Food Facts* 13(3): 3-4. Dec. 1943. 389.8 F734
- 4119 SPICKNALL, C.G., FISHBURN, H.D., and BAUM, W.S. The diet in Germany and the occupied countries during the second world war. *U.S. Pub. Health Serv. Rpts.* 58: 1669-1681. Nov. 12, 1943. 151.65 P96
- 4120 WENTWORTH, E.N. Cereals vs meat in our diet. *West. Livestock Jour.* 22(1): 17, 107. Nov. 1943. 6 F2278
- 4121 WENTWORTH, E.N. Meat in the diet. *Amer. Cattle Prod.* 25(7): 12, 14. Dec. 1943. 49 P94
- 4122 WINTERS, J. C., and LESLIE, R. E. A study of the diet and nutritional status of women in a low-income population group. *Jour. Nutr.* 26: 443-458. Nov. 10, 1943. 389.8 J82
- With the technical assistance of Margaret Anne Eppright.

## FOOD HABITS

- 4123 KAVANAUGH, M. T. The changing food habits of the school youngster. *What's New in Home Econ.* 9(3): 86, 88, 90. Nov. 1943. 431.8 W55
- 4124 MAHALANOBIS, P. C. Studies in sample surveys. I. Enquiry into the prevalence of drinking tea among middle-class Indian families in Calcutta: 1939. *Indian Jour. Statis.* 6: 283-312. June 1943. 251.8 In2

## NUTRITIVE AND VITAMIN CONTENT

- 4125 BARNES, BARBARA, TRESSLER, D. K., and FENTON, FAITH. Thiamin content of fresh and frozen peas and corn before and after cooking. *Food Res.* 8: 420-427. Sept./Oct. 1943. 389.8 F7322

- 4126 BERL, SOLL, and PETERSON, W.H. Determination and content of carotene and vitamin A in Wisconsin butter. *Jour. Nutr.* 26: 527-538. Nov. 10, 1943. 389.8 J82
- 4127 BLOOMFIELD, A. L., and TANTER, M. L. The effects of vitamin B deprivation on spontaneous activity of the rat. *Jour. Lab. and Clin. Med.* 28: 1680-1690. Nov. 1943. 448.8 J8233
- 4128 BOWMAN, C. L. "I get enough vitamins in my food." *Amer. Drug.* 108(6): 45, 80. Dec. 1943. 396.8 Am32
- 4129 CAMPBELL, C. S. Vitamins from the village green. *Forecast* 59(9): 21, 44, 46, 49. Nov. 1943. 321.8 F76
- 4130 CARQUE, OTTO. Meat food. *Human Cult. Digest* 51(11): 5-6. Nov. 1943. 389 V52
- 4131 CHELDELIN, V.H., WOODS, A.M., and WILLIAMS, R.J. Losses of B vitamins due to cooking of foods. *Jour. Nutr.* 26: 477-485. Nov. 10, 1943. 389.8 J82
- 4132 CLARKE, A. G., and PRESCOTT, F. Studies in vitamin B deficiency, with special reference to mental and oral manifestations. *Brit. Med. Jour.* No. 4320, p. 503-505. Oct. 23, 1943. 448.8 B77
- 4133 CONFERENCE on nutritive value of rice slated for New Orleans. *Rice Jour.* 46(11): 3-4, 6, 11-12. Nov. 1943. 59.8 R36
- 4134 CRANG, ALICE, and others. A comparison of the ascorbic acid content of stored peas, beans and parsley dried by various domestic methods. *Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt.* 1942: 129-137. Bath, 1943. 84 B77
- M. Jones, D. P. Jones, and M. Sturdy, joint authors.
- 4135 FERREBE, J.W., and WEISSMAN, NORMAN. Riboflavin and thiamine interrelationships in rats and in man. *Jour. Nutr.* 26: 459-469. Nov. 10, 1943. 389.8 J82
- 4136 FOWKE, HILDA. The effect of supplements of vitamins and minerals on the health of girls. *Brit. Med. Jour.* No. 4320, p. 519. Oct. 23, 1943. 448.8 B77
- 4137 GEYER, R.P., AND OTHERS. Rations for the study of the relative nutritive value of fats and oils. *Science* 98: 499. Dec. 3, 1943. 470 Sci2
- R.K. Boutwell, C.A. Elvehjem, and E.B. Hart, joint authors.
- 4138 GOLDSMITH, G. A. Indications for vitamin therapy. *New Orleans Med. and Surg. Jour.* 96: 199-207. Nov. 1943. 448.8 N47
- 4139 HANKINS, O. G., and ELLIS, N. K. Chemical composition and nutritive value of carcass and cuts from intermediate hog. *Natl. Provisioner* 108(24): 21. Dec. 11, 1943. 286.35 N21
- 4140 HIGHMAN, S. E. The vitamin A content of some South African dairy products. *South African Dairyman* 5: 115-116, 119-120. June 1943. 44.8 So822
- 4141 JACK, E. L. The composition of milk and the role of the different constituents in nutrition. *Calif. Univ. Col. Agr. Div. Dairy Indus., Dairy Indus. Ext. Course. Abs. of Papers* 1943, 3 p., processed. 44.9 C126
- 4142 JOACHIM, A.W.R., and PANDITTESEKERE, D.G. The analysis of Ceylon foodstuffs. XI. -I. The composition of some minor fruits, home-pounded grains, and vegetables. II. The change in the vitamin C content of lime juice preserved with spirits. *Trop. Agr. [Ceylon]* 99: 13-17. Jan./Mar. 1943. 26 T751
- 4143 KITZES, GEORGE, and ELVEHJEM, C. A. Vitamin content of prepared cereal foods. *Amer. Med. Assoc. Jour.* 123: 902-903. Dec. 4, 1943. 448.9 Am37
- 4144 KREBS, H. A., and MELLANBY, K. The effect of national wheatmeal on the absorption of calcium. *Biochem. Jour.* 37: 466-468. Oct. 1943. 382 B52
- 4145 LEAMING, B.G. Soya products - availability nutritional values and utilization. *Amer. Dietet. Assoc. Jour.* 19: 824-827. Dec. 1943. 389.8 Am34



- 4146 McCANN, ROUD. Excellent dairy product meets tough buyer; a conversation between a dairy product salesman and a food manufacturer on the composition and nutritive value of dry skim milk. *Hoard's Dairyman* 88: 684, 701. Dec. 10, 1943. 44.8 H65
- 4147 MacEWAN, J. W. G. The vitamins in retrospect. *Country Guide* 62(11): 19. Nov. 1943. 7 G76
- 4148 MASUROVSKY, B. I. Ice cream's future role in nutrition. *Ice Cream Trade Jour.* 39(11): 42, 66. Nov. 1943. 389.8 Ic2
- 4149 MATEUS, LEONARDO. Las vitaminas completan la nutrición del hombre y de los animales. *Manabi, Ecuador. Consorcio de Centros Agr. Bol.* 5(35): 52-53. July/Aug./Sept. 1943. 9.5 M31
- 4150 MOUSERSKI, N. N. Vitamin "K." *Chem. Prod.* 6: 84. Sept./Oct. 1943. 382 C428
- 4151 PELNER, LOUIS. Vitamins in gastro-intestinal disease. *Amer. Jour. Digest. Dis. and Nutr.* 10: 414-417. Nov. 1943. 448.8 Am324
- 4152 PIJOAN, M., and others. Ascorbic acid in tuberculous Navajo Indians. *Amer. Rev. Tuberc.* 48: 342-346. Nov. 1943. 448.8 Am32
- B. Sedlacek, C. A. Elkin, and R. L. Warren, joint authors.
- 4153 POLLOCK, R.C. Meat during the war and the post-war period. Part II. *Sheepman* 14: 232, 257, 260. Dec. 1943. 45.8 Sh32
- Nutritional value.
- 4154 POPPER, HANS, STEIGMANN, FREDERICK, and ZEVIN, SOL. On the variations of the plasma vitamin A level after the administration of large doses of vitamin A in liver disease. *Jour. Clin. Invest.* 22: 775-783. Nov. 1943. 448.8 J8295
- 4155 PURINTON, H. J., and others. A study of normal human requirements for ascorbic acid and certain of its metabolic relationships. *Jour. Nutr.* 26: 509-518. Nov. 10, 1943. 389.8 J82
- Cecilia Schuck, M. K. Ade, A. Cole, P. H. Schmeidicke and S. J. Miller, joint authors.
- 4156 RAMPENDAH, E. F. What of vitamins - fact or fancy? *U. S. Dept. Com. Dom. Com.* 31(25): 6, 20-21. Dec. 1943. 157.54 D713
- 4157 REED, H.M. Quality and vitamin content of dehydrated vegetables. *Quick Frozen Foods* 6(4): 42, 49. Nov. 1943. 389.8 Q4
- 4158 RICE, E. E., BEUK, J. F., and ROBINSON, H. E. The stability of thiamin in dehydrated pork. *Science* 98: 449. Nov. 19, 1943. 470 Sci2
- 4159 RIDLEY, H.E. I-R-O-N spells good red blood. *Hygeia* 21: 884, 886-888. Dec. 1943. 449.8 H993
- 4160 ROBERTS, V. M., and others. The ascorbic acid requirements of school-age girls. *Jour. Nutr.* 26: 539-547. Nov. 10, 1943. 389.8 J82
- M. H. Brookes, L. J. Roberts, Peggy Koch, and Peggy Shelby, joint authors.
- 4161 ROGICK, F. A. O queijo e a manteiga na alimentação do soldado. *Rev. dos Criadores* 14 (13): 53-58. Sept. 1943. 43.8 R32
- Composition and nutritive value of butter and cheese.
- 4162 ROWNTREE, J.I. Vitamins and vim from victory garden vegetables. *Arboretum Bul.* [Seattle, Wash.] 6(3): 14. Mar. 1943. 451 Ar1
- 4163 SCOTT, W.C. Quality and vitamin content of dehydrated vegetables. *Quick Frozen Foods* 6(4): 42, 44. Nov. 1943. 389.8 Q4
- 4164 SIMPSON, J. I. Home practices and the nutritive value of fruits and vegetables. *Food Res.* 8: 353-363. Sept./Oct. 1943. 389.8 F7322
- 4165 SMITH, J.J., IVY, A.C., and FOSTER, R.H.K. The pharmacology of two water-soluble vitamin K-like substances. *Jour. Lab. and Clin. Med.* 28: 1667-1680. Nov. 1943. 448.8 J8233
- 4166 STEVENS, H.P. Preliminary study of conditions affecting the nutritive values of dehydrated vegetables. *Amer. Dietet. Assoc. Jour.* 19: 832-837. Dec. 1943. 389.8 Am34
- 4167 STEWART, R.A., HENSLEY, G.W., and PETERS, F.N., JR. The nutritive value of protein. I. The effect of processing on oat protein. *Jour. Nutr.* 26: 519-526. Nov. 10, 1943. 389.8 J82
- 4168 TAYLOR, R. D., and others. Effects of large doses of a vitamin A concentrate in normal and hypertensive patients. *Amer. Jour. Med. Sci.* 206: 659-667. Nov. 1943. 448.8 Am3
- A. C. Corcoran, J. C. Shrader, W. C. Young, and I. H. Page, joint authors.
- 4169 URQUIZU VILLALBA, ROBERTO. Leche: su indiscutible valor dietético, corroborado por: su completo contenido en principios inmediatos, plásticos y energéticos; su concentración plurivitáminica; su fácil digestibilidad, y su condición atóxica. *Vaqueros* 3(9): 12-14. Sept. 15, 1943. 43.8 V41
- 4170 WEBBER, P. A. Soy beans - a wartime food. *Better Cooking and Homemaking* 5(2): 18-19. Oct. 1943. 321.8 B46
- 4171 WILCOX, E. B. Vitamin A important in maintaining health. Adequate amounts of this vitamin found in available foods. *Farm and Home Sci.* 4(4): 12. Dec. 1943. 100 Utlf
- 4172 WODICKA, V.O. Nutritional problems of army overseas rations. *Amer. Dietet. Assoc. Jour.* 19: 828-831. Dec. 1943. 389.8 Am34
- 4173 ZOZAYA, JOSÉ, and ALVARADO R., FRANCISCO. Determinación de la riboflavina en ciertos alimentos de México por el método microbiológico de Snell y Strong. *Mex. Inst. de Salubridad y Enferm. Trop. Rev.* 4: 215-225. Sept. 1943. 449.9 M572

## MISCELLANEOUS

## GENERAL

- 4174 BELTRAN, ENRIQUE. Datos y documentos para la historia de las ciencias naturales en México. I. Los estatutos de la primitiva Sociedad Mexicana de Historia Natural. *Soc. Mex. de Hist. Nat. Rev.* 4 (1/2): 115-121. June 1943. 516 Sol5
- 4175 BERMUDA, DEPT. OF AGRICULTURE. *Agricultural Bulletin* 22, Nos. 1-8. Jan.-Oct. 1943. 8 B45A
- Short practical articles on such subjects as: fertilizers, the vegetable garden in February, tomatoes, bananas, vaccination of calves, potato crop, and the poultry keeper's problem.
- 4176 A BOLSA de Mercadorias de S. Paulo; suas finalidades e realizações. *Ouro Branco* 8(12): 21-30. Apr., 1943. 72.8 Ou7
- The exchange contains cotton, agriculture, statistics, and textile plant departments.
- 4177 BUTLER, OVID. Conservationist should have sound postwar work program. *Tenn. Conserv.* 8(11): 2. Nov. 1943. 410 T252
- 4178 GORDON, O. V. Winter farm photography. *U. S. Camera* 6(9): 21-23, 66. Dec. 1943. 332.8 Un3A
- 4179 KOERDELL, M. M. Bibliografía mexicana de historia natural. *Soc. Mex. de Hist. Nat. Rev.* 4 (1/2): 73-81. June 1943. 516 Sol5
- 4180 McMUNN, E. W. Exterminate those fifth columnists! The only good rat is a dead one. *Ohio Farmer* 192(9): 5. Nov. 6, 1943. 6 Oh3
- 4181 MATHES, P. S. America wastes more natural resources than we pay for war. *Tenn. Conserv.* 8(11): 3, 7. Nov. 1943. 410 T252
- On the need for conservation of natural resources with special attention to soil and forest.



4182 MAY, O.E. Chemistry in agriculture and its relation to small business. Chem. Engin. News 21: 1861-1863. Nov. 25, 1943. 381 J825N

4183 SILVA CASTRO, RAÚL. Homenaje a O'Higgins agricultor. Campesino [Santiago, Chile, 75: 541-544. Sept. 1943. 9.3 Sol2

Bernardo O'Higgins as an agriculturist in Peru and Chile.

4184 \*\*TAMAYO, J. L. Geografía agrícola del Perú. Rev. Geogr. del Inst. Panamer. de Geog. e Hist. 2: 101-119. 1942.

Listed in Cur. Geog. Pubs., Nov. 1943. 241.6 Am3

4185 WISSLER, CLARK. Wheat and civilization. Amer. Mus. Nat. Hist. Nat. Hist. 52: 172-181. Nov. 1943. 500 N483J

How civilization began with the discovery of agriculture and the domestication of animals.

#### INTER-AMERICAN RELATIONS

4186 BRETT, GEORGE, Jr., and others. The role of books in Inter-American relations. Pub. Weekly 144: 2086-2093. Dec. 4, 1943. 242 P962

B. L. Chase, R. F. De Graff, Malcolm Johnson, and J. S. Thompson, joint authors.

First section of report on their visit to "the other American republics last summer under the auspices of the Office of the Coordinator of Inter-American Affairs and the Department of State."

4187 U. S. DEPT. OF STATE. Agricultural experiment station in Ecuador; agreement between the United States of America and Ecuador approving memorandum of understanding signed August 12, 1942... effective August 12, 1942. U. S. Dept. State. Exec. Agreement Ser. 284, 10 p. Washington, 1943. (Pub. 1879) 150 Ex3

4188 U. S. DEPT. OF STATE. Agricultural experiment station in El Salvador; agreement between the United States of America and El Salvador approving memorandum of understanding signed October 21, 1942... effective October 21, 1942. U. S. Dept. State. Exec. Agreement Ser. 285, 16 p. Washington, 1943. (Pub. 1889) 150 Ex3

4189 U. S. DEPT. OF STATE. Agricultural experiment station in Nicaragua; agreement between the United States of America and Nicaragua approving memorandum of understanding signed July 15, 1942... effective July 15, 1942. U. S. Dept. State. Exec. Agreement Ser. 286, 5 p. Washington, 1943. (Pub. 1879) 150 Ex3

#### RESEARCH

4190 AGRICULTURAL research in Scotland in 1942. Being a brief summary of the work at the Scottish agricultural research stations during the year. Highland and Agr. Soc. Scot. Trans., 5th ser. (1943) 55: 99-106. 10 H536

4191 ARCHIBALD, E. S. Research aids western [Canadian] farmers. Country Guide 62(12): 9, 34-35. Dec. 1943. 7 G76

4192 CARVALHO, F. M. de. A estação experimental de Rothamsted. D. N. C.; Rev. do Depto. Nac. do Café [Brazil, 11: 243-245. Aug. 1943. 286.83 D44

4193 COMPTON, K. T. Organization of American scientists for the war. Roy. Soc. London. Proc. Ser. B. 131: 297-313. Nov. 2, 1943. 501 L84B

Includes the scientific services of the United States Department of Agriculture.

4194 COOPER, J. F. Have you an experiment station on your farm? Fla. Grower 51(11): 6, 8. Nov. 1943. 80 F6622

Gives an account of the activities of the two mobile units of the Florida Agricultural Experiment Station.

4195 GOLLAN, JOSUÉ, M. La química busca nuevas aplicaciones a los productos agrícolas; una ejemplar organización oficial norteamericana para la investigación técnica. Agronomía [Buenos Aires], año 34, tomo 31, p. 63-86. Oct. 1942. 9 B864

Description of the four regional research laboratories of the United States and their work, bringing out the effect of the war upon the program.

4196 GRISHKO, NIKOLAI. The biological section of the Ukrainian Academy of Sciences. Nature [London, 152: 404-405. Oct. 9, 1943. 472 N21

Includes information on work done in the biological sciences: botany and the biochemistry of vitamins and foodstuffs.

4197 H., D. J. Farming and farm practice of the future; useful pointers in the field of basic agricultural research. Farmer's Weekly [Bloemfontein, 66: 74-75. Sept. 29, 1943. 24 F225

Describes work of the Agricultural Research Institute at Pretoria.

4198 HELSON, F. A. Rothamsted — 1843-1943. O. A. C. Rev. 56(1): 6-7, 46. Oct. 1943. 276.8 On8

#### STATISTICS

4199 GARD, D. G. Graphic methods of presenting multiple correlation analysis. Jour. Farm Econ. 25: 881-889. Nov. 1943. 280.8 J822

Statistical method applicable to agriculture.

4200 DEMING, W. E. Facilidades en Washington para los estudios de estadística. Estadística [México] 1(3): 136-139. Sept. 1943. 251.8 Es8

Courses offered by the Graduate School of the United States Department of Agriculture.

#### NEW PERIODICALS AND SERIALS

(Exclusive of Titles Listed in Sections A-C)

4201 AMERICAN ROCK GARDEN SOCIETY. Bulletin, including Saxiflora. Bi-monthly. V. 1, No. 1. Jan./Feb. 1943. 31 p. Plainfield, N. J. 81 Am342

4202 LA CLAIRIERE (Clubs 4-H du Québec). Monthly, v. 1, No. 2, Apr. 1943. 14 p., processed. Quebec, Canada, 2 Côte d'Abraham. 275.28 C54

V. 1, No. 1, Mar. 1943, published without title.

4203 ECONOMIC SENTINEL (Los Angeles Chamber of Commerce). Irregular. V. 1, No. 1, Aug. 11, 1943. 46 p. 280.8 Ec794

4204 HAITI. BUR. D'ETHNOLOGIE DE LA REPUBLIQUE. Bulletin No. 1, Feb. 1942. 72 p. Port-au-Prince. 456.3 R76

4205 WASHINGTON FARMLETTER, an exclusive weekly service. Sept. 25, 1943. 2 p. Processed. 215 Kellogg Building, Washington 4, D. C. 281.8 W27

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Agricultural History Series

- 4206 EDWARDS, E. E. Jefferson and agriculture: a sourcebook...in commemoration of the two hundredth anniversary of the birth of Thomas Jefferson. U. S. D. A. Agr. History Ser. 7, 92 p., processed. 1943. 1.90 A2Ag8

Agricultural War Information

- 4207 CLAYTON, E. E. Tobacco blue mold control. U. S. D. A. AWI-77, 11 p. folder. 1943. 1 Ag84Aw
- 4208 FAMILY food plans for good nutrition. U. S. D. A. AWI-78, 15 p. folder. 1943. 1 Ag84Aw
- "This pamphlet supersedes '3 Market Lists for Low-Cost Meals' and 'Market Lists for Moderate-Cost and Liberal Meals.'"
- 4209 THE FARMER grades his meat. U. S. D. A. AWI-69, 21 p. 1943. 1 Ag84Aw
- 4210 PARKER, E. W. Southwestern stockman--play to win! Don't plunge on the "good years." Stock this year and every year for fat cows, a big calf crop, and a safe forage margin. U. S. D. A. AWI-74, 15 p. 1943. 1 Ag84Aw
- A system of range livestock management called conservation stocking.
- 4211 SIMONS, J. W., and EDICK, G. L. Smoke-houses and hog slaughtering equipment. U. S. D. A. AWI-68, 11 p. folder. 1943. 1 Ag84Aw
- Includes drawings and bill of materials for frame and cement-block construction of smokehouses.

Circulars

- 4212 REGAN, M. M., CLARENBACH, F. A., and JOHNSON, A. R. The farm real estate situation 1942-43. U. S. D. A. Cir. 690, 46 p. 1943. 1 Ag84C
- Partial contents: Farm real estate values; Agricultural prices, production, and income; Income-value and rent-value comparisons; Changes in farm ownership; Farm mortgage credit and debt; "Warranted values" and wartime market prices of farm real estate.

Farmers' Bulletins

- 4213 DUDLEY, J. E., JR., and BRONSON, T. E. The pea aphid [*Macrosiphum pisi*] on peas and methods for its control. U. S. D. A. Farmers' Bul. 1945, 14 p. 1943. 1 Ag84F

- 4214 MCKEE, ROLAND, and RITCHEY, G. E. Lupines: new legumes for the South. U. S. D. A. Farmers' Bul. 1946, 9 p. 1943. 1 Ag84F
- Contents: Nature and use of the lupine plant; The seed; Soil requirements; Seeding; Harvesting; Diseases; Other information.

Leaflets

- 4215 U. S. GRADED and stamped meat. U. S. D. A. Leaflet 122, Sup., 1 p., processed. 1943. 1 Ag84L

Miscellaneous Publications

- 4216 BUYING beef by grade. U. S. D. A. Misc. Pub. 392, Sup., 1 p., processed. 1943. 1 Ag84M
- 4217 BROWN, M. J. Soybeans and soybean products as food. U. S. D. A. Misc. Pub. 534, 14 p. 1943. 1 Ag84M
- 4218 FEDERAL beef grading. U. S. D. A. Misc. Pub. 391, Sup., 1 p., processed. 1943. 1 Ag84M
- 4219 A GRAPHIC summary of farm animals and animal products (based largely on the census of 1940). U. S. D. A. Misc. Pub. 530, 88 p. 1943. 1 Ag84M
- Supersedes Miscellaneous Publication No. 269.
- 4220 A HANDBOOK for your information. U. S. D. A. Misc. Pub. 532, 41 p. 1943. 1 Ag84M
- To help Department of Agriculture employees learn more about their duties and privileges as employees of the Department.
- 4221 HOWARD, N. F., and others. Insecticides and equipment for controlling insects on fruits and vegetables. U. S. D. A. Misc. Pub. 526, 52 p. 1943. 1 Ag84M
- G. A. Weigel, C. M. Smith, and L. F. Steiner, joint authors.
- 4222 SCHOOL lunch recipes. U. S. D. A. Misc. Pub. 537, 48 p. 1943. 1 Ag84M
- Supersedes Miscellaneous Publication No. 408, School Lunches Using Farm Surpluses.
- Technical Bulletins
- 4223 ARTSCHWAGER, ERNST, and McGUIRE, R. C. Contribution to the morphology and anatomy of the Russian dandelion (*Taraxacum kok-saghyz*). U. S. D. A. Tech. Bul. 843, 24 p. 1943. 1 Ag84Te

Unnumbered Publications

- 4224 FARM flashes. 19 Nos., 1 p. each, processed. 1943. 1.9 In3F
- For broadcast use only.
- "The farmer grades his meat"; Four farmers labor pool; Get cotton insecticides early; Get set for "green" help; Hog marketing help; How help carry freight; How truck saving works; Improvements in ammonium nitrate; Less labor in cotton mills; Make potash count; More phosphate for '44; Need for more food; Nitrogen outlook for '44; Outlook for 1944; Safety in handling axe; Stock for more beef; What's ahead for farmers; Where the cheese goes; Woodlands go to war.
- 4225 HOMEMAKERS' CHAT. 8 Nos. 3 p. each, processed. 1943. 1.9 In3Hh
- "For use in non-commercial broadcast only."
- "Christmas dinner in uniform." Dec. 24; "Christmas decorations." Dec. 15; "Feeding children in occupied Europe." Dec. 22; "Food gifts for Christmas." Dec. 20; "Guard against wartime fatigue." Dec. 13; "Planning Christmas dinner." Dec. 17; Question box: Food value of tangerines? How to make mulled cranberry juice? Edible Christmas centerpieces? Dec. 23; Question box: Hearty vegetable dish? Substitute for hard sauce? How carve goose? How bleach linen tablecloth? Dec. 21.



4226 LIST of available farmers' bulletins and leaflets of the United States Department of Agriculture. 7 p. 1943. 1 P96Lf No. 1

#### AGRICULTURAL ECONOMICS, BUREAU OF

4227 BAJAJ, SIR G. S. India's interest in the world food program. 5 p., processed. 1943. 1.941 A2In2

4228 HONEY and beeswax production - 1943. 4 p., processed. 1943. 1.941 H2H75

4229 INDUSTRIAL production, United States, 1913 to date. 2 p., processed. 1943. 1.941 H22In2  
Index numbers not adjusted for seasonal variation, 1935-39 = 100.

4230 MORSE, W. L. Will the War Labor Board hold the line on wages? 6 p., processed. 1943. 1.941 R3W66

Extemporaneous remarks at 21st Annual Agricultural Outlook Conference, Oct. 18.

4231 THOMSEN, F. L. Postwar readjustments in marketing and distribution. 4 p., processed. 1943. 1.941 M3T38

Address at 21st Annual Agricultural Outlook Conference, Oct. 20.

#### AGRICULTURAL RESEARCH ADMINISTRATION

##### Agricultural and Industrial Chemistry, Bureau of

4232 INFORMATION sheet AIC. 11 Nos., processed. Albany, Calif., West. Regional Res. Lab., 1943. 1.932 A2Ag82

AIC-16. Information sheet on production of major fruits in the United States. 44 p. Sept.

AIC-18. Information sheet on dehydrated cabbage and celery. 9 p. Sept.

Supersedes Information Sheet ACE-165.

AIC-19. Information sheet on building, equipment, and labor requirements and processing costs in dehydration. Onions. 18 p. Sept.

AIC-20. Information sheet on building, equipment, and labor requirements and processing costs in dehydration. Table beets. 18 p. Sept.

AIC-21. Information sheet on building, equipment, and labor requirements and processing costs in dehydration. Carrots, potatoes, rutabagas, and sweetpotatoes. 23 p. Sept.

AIC-22. Information sheet on building, equipment, and labor requirements and processing costs in dehydration. Cabbage. 18 p. Sept.

AIC-23. Information sheet on analysis of processing costs in vegetable dehydration. 11 p. Sept.

AIC-28. Information sheet on the preparation of a liquid apple pectin concentrate. 6 p. Sept.

AIC-31-I. Information sheet on the application of drying rate nomographs to the estimation of tunnel-dehydrator drying capacity. I. Riced white potatoes. 6 p. Nov.

AIC-31-II. Information sheet on drying-rate nomographs. II. Blanched sweet corn. 1 p. Nov.

AIC-34. Information sheet on a test for adequacy of blanching in frozen vegetables. 2 p. Nov.

4233 LYNCH, D. F. J. Industrial utilization of southern agricultural commodities. U. S. Bur. Agr. and Indus. Chem. AIC-33, 5 p., processed. New Orleans, La., South. Regional Res. Lab., 1943. 1.932 A2Ag82

4234 SOYBEAN processing mills in the United States. U. S. Bur. Agr. and Indus. Chem. AIC-26, 10 p., processed. Peoria, Ill., North. Regional Res. Lab., 1943. 1.932 A2Ag82

##### Animal Industry, Bureau of

4235 DECLARATION concerning Bang's disease (brucellosis) eradication in cattle: Supplement 11, containing additions to counties named February 1, 1940, and subsequently. Names of counties declared to be modified accredited Bang's disease-free areas. 2 p., processed. Nov. 1, 1943. 1.972 A2W15

4236 ELLIS, N. R., MADSEN, L. L., and MILLER, C. O. Pantothenic acid and pyridoxine as factors in the occurrence of locomotor incoordination in swine. 4 p., processed. 1943. 1.972 A2P19

4237 STATISTICAL tables showing progress of the eradication of tuberculosis in livestock and brucellosis in cattle in the United States, November 1, 1943. 10 p., processed. 1943. 1.9 An533Stni

##### Entomology and Plant Quarantine, Bureau of

4238 CUPPLES, H. L. Proprietary surface-active agents of possible use in insecticide preparations. U. S. Bur. Ent. and Plant Quar. E-607, 40 p., processed. 1943. 1.9 En83

4239 HENDERSON, C. F., STUCKER, C. L., and McBURNIE, H. V. A laboratory method for rearing and parasitizing the California red scale (Aonidiella aurantii) for toxicological studies. U. S. Bur. Ent. and Plant Quar. ET-213, 13 p., processed. 1943. 1.9 En83Et

Parasites are: Habrolepis rouxi, and Comperiella bifasciata.

4240 MODIFICATION of administrative instructions - shipment of Mexican oranges and grapefruit in bond through the United States. B. E. P. Q.-532 sup. 1, 1 p., processed. 1943. 1.9 F73

4241 NEWCOMER, E. J., DEAN, F. P., and CASSIL, C. C. Experimental methods in making orchard tests for codling moth (Carpocapsa pomonella) control in the West. U. S. Bur. Ent. and Plant Quar. ET-215, 26 p., processed. 1943. 1.9 En83Et

4242 PLANT-QUARANTINE import restrictions of the Republic of Brazil. B. E. P. Q. 379 (rev.), sup. 1, 1 p., processed. Dec. 3, 1943. 1.9 F31

Importation of cotton seedlings (Gossypium spp.) prohibited.

4243 PLANT-QUARANTINE import restrictions, Republic of Mexico. B. E. P. Q.-411, sup. 3, rev., 2 p., processed. 1943. 1.9 F73

Exterior quarantines No. 2. Coffee plants, on account of the coffee berry borer, Stephanoderes hampei; No. 7. Banana plants, on account of the Panama disease, Fusarium cubense, and Cercospora musae.

4244 ROARK, R. C. A review of the insecticidal uses of rotenone and rotenoids from Derris, Lonchocarpus (cube and timbo), Tephrosia, and related plants. Part VI: Coleoptera. U. S. Bur. Ent. and Plant Quar. E-603, 170 p., processed. 1943. 1.9 En83

A correction (1 p.) was issued Oct. 5, 1943.

##### Plant Industry, Soils,

##### and Agricultural Engineering, Bureau of

4245 BENNETT, C. A., and GERDES, F. L. Cotton gin operating and testing equipment. Slightly rev., 23 p., processed. 1943. 1.965 E2C82

4246 BUCKHANNAN, W. H., ANDERSON, A. C., and BRENSING, O. H. Soil survey of Choctaw County, Oklahoma. U. S. Bur. Plant Indus. Soils and Agr. Engin. [Soil Survey Rpt.] Ser. 1937, No. 8, 103 p. 1943. 1 So32F

Oklahoma Agricultural Experiment Station cooperating. Folded map in pocket.

4247 FUNCTIONAL requirements of buildings -- farm animals. 1. Requirements of hog houses. 13 p., processed. 1943. 1.965 E2F96

#### FARM CREDIT ADMINISTRATION

4248 DIRECTORY, August 15, 1943. 56 p. Kansas City, Mo., 1943. 166.3 D67

4249 HULBERT, L. S. Summary of cases relating to farmers' cooperative associations. U. S. Farm Credit Admin. Sum. 20, 22 p., processed. 1943. 1.955 C2Su



4250 RASMUSSEN, M. P., QUITSLUND, F. A., and CAKE, E. W. Fruit sales in retail grocery stores and meat markets New York City. 67 p., processed. Kansas City, Mo., 1943. (W. C. 9) 1.955 G2W19  
Includes tables and charts.

#### FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

4251 ECONOMIC plants of interest to the Americas. 1 No., processed. 1943. 1.943 Ec72  
Contents: Roselle (*Hibiscus sabdariffa* L.) as a fiber crop, by J. C. Crane. 47 p. Ref., p. 41-47.  
4252 ENGLUND, ERIC. Commentary on general sessions of the 21st session of the annual Agricultural Outlook Conference, Washington, D. C., October 20, 1943. 7 p., processed. 1943. 1.941 S2C73

#### FOREST SERVICE

4253 COMPRESSION wood: importance and detection in aircraft veneer and plywood. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1586, 14 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces and the Bureau of Aeronautics cooperating.

4254 DOWNS, A. A. Minimizing glaze damage in pine [Pinus]. U. S. Forest Serv. Appalachian Forest Expt. Sta. Tech. Notes No. 55, 5 p., processed. Asheville, N. C., 1943. 1.9 F7623T

4255 FOREST Products Laboratory urea-plasticized wood (uralloy). U. S. Forest Serv. Forest Prod. Lab. R1277, rev., 6 p., processed. Madison, Wis., 1943. 1.9 F761R

4256 HANSBROUGH, J. R., and KRAUSE, R. L. The significance of the discolorations in aircraft veneers: mahogany [*Swietenia macrophylla*] and khaya. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1379, 14 p., processed. Madison, Wis., 1943. 1.9 F761R  
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering, Division of Forest Pathology, New Haven, Conn., cooperating.

The species tested were *Swietenia macrophylla* and *Khaya ivorensis*.

4257 HORMAY, A. L. A method of estimating grazing use of bitterbrush [*Purshia tridentata*]. U. S. Forest Serv. Res. Note 35, 4 p., processed. Berkeley, Calif. Forest and Range Expt. Sta., 1943. 1.9 F7626R

4258 KAUFERT, F. H. Increasing the durability of casein glue joints with preservatives. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1332, 29 p., processed. Madison, Wis., 1943. 1.9 F761R

U. S. Army-Navy-Civil Committee on Aircraft Design Criteria cooperating.

4259 KAUFERT, F. H. Preliminary experiments to improve the gluing characteristics of refractory plywood surfaces by sanding. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1351, 10 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces and the Bureau of Aeronautics cooperating.

4260 KAUFERT, F. H., and RICHARDS, C. A. Procedures for measuring the mold resistance of protein glues. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1344, rev., 8 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces and the Bureau of Aeronautics cooperating.

4261 KOEHLER, ARTHUR. Guide to determining slope of grain in lumber and veneer. U. S. Forest Serv. Forest Prod. Lab. Mimeog. No. 1585, 25 p., processed. Madison, Wis., 1943. 1.9 F761R

This report is one of a series issued in coopera-

tion with the Army Air Forces and the Bureau of Aeronautics under the Supervision of the Aeronautical Board.

Wisconsin University cooperating.

4262 LIST of publications on mechanical properties and structural uses of wood and wood products. U. S. Forest Serv. Forest Prod. Lab., Mimeog. R200, 30 p., processed. Madison, Wis., 1943. 1.9 F761R  
Wisconsin University cooperating.

4263 LIST of publications on wood preservation. U. S. Forest Serv. Forest Prod. Lab., R704, rev., 28 p., processed. Madison, Wis., 1943. 1.9 F761R

4264 LUXFORD, R. F., and KRONE, R. H. Chemical stain in noble fir [*Abies nobilis*] as related to strength. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1329, 11 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces and the Bureau of Aeronautics cooperating.

4265 MCGOVERN, J. N., and MCGREGOR, G. H. Sulfite pulp production: some factors pertinent to meeting war born shortages. U. S. Forest Serv. Forest Prod. Lab. R1436, 13 p., processed. Madison, Wis., 1943. 1.9 F761R

University of Wisconsin cooperating.

4266 MacLEAN, J. D. Rate of temperature change in laminated timbers heated in air under controlled relative humidity conditions. U. S. Forest Serv. Forest Prod. Lab., Mimeog. R1434, 30 p., processed. Madison, Wis., 1943. 1.9 F761R

Wisconsin University cooperating.

4267 McMILLEN, J. M., and LOUGHBOROUGH, W. K. Coatings for the prevention of end checks in logs and lumber. U. S. Forest Serv. Forest Prod. Lab. R1435, 13 p., processed. Madison, Wis., 1943. 1.9 F761R

4268 MARTIN, J. S. Sulfate pulping of mixtures of selected southern hardwoods and southern yellow pine [Pinus]. U. S. Forest Serv. Forest Prod. Lab., Mimeog. R1439, 12 p., processed. Madison, Wis., 1943. 1.9 F761R

4269 MEAGHER, G. S. Forest statistics for Tillamook County, Oregon. U. S. Forest Serv. Pacific Northwest Forest and Range Expt. Sta. Forest Survey Rpt. 90, 14 p., processed. Portland, Oreg., 1943. 1.9622 P2F76

4270 MIROV, N. T. Storage and germination of California cork-oak acorns. U. S. Forest Serv. Res. Note 36, 18 p., processed. Berkeley, Calif. Forest and Range Expt. Sta., 1943. 1.9 F7626R

4271 RANGE livestock growers produce more meat. 2 p., processed. 1943. 1.962 R2R162  
Illustrations with captions.

4272 RASMUSSEN, E. F., and VOORHIES, GLENN. The relief of casehardening stresses in aircraft lumber. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1371, 15 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces cooperating.

4273 REPORT of the Chief of the Forest Service, 1943. 32 p. 1943. 1 Ag84

4274 STAMM, A. J. Wood and paper-base plastics. U. S. Forest Serv. Forest Prod. Lab., R1438, 14 p., processed. Madison, Wis., 1943. 1.9 F761R

4275 SWEET, C. V., MILLER, R. H. P., and DONNY, J. War-time model hopper unit for burning various forms of wood in standard domestic furnaces. U. S. Forest Serv. Forest Prod. Lab., R1440, 14 p., processed. Madison, Wis., 1943. 1.9 F761R

4276 TECHNICAL notes. 7 Nos., processed. Columbus, Ohio, Central States Forest Expt. Sta., 1943. 1.9622 C3T22

Technical Notes 56-62, have title: Preliminary Report on Lumber Production for 1943 in various



4277 TELFORD, C. J. Small sawmill improvement. Practical pointers to field agencies. A boilerless kiln. U. S. Forest Serv. Forest Prod. Lab. R899-9, rev., 3 p., processed. Madison, Wis., 1943. 1.9 F761R

States, by L. F. Kellogg, except No. 60 which was prepared by L. F. Kellogg and H. W. Richman.

Contents: No. 56, in Iowa. 5 p. Sept. 15; 57, in Ohio. 5 p. Sept. 15; 58, in Indiana, 6 p. Sept. 15; 59, in Missouri, 5 p. Sept. 15; 60, in Illinois, 6 p. Oct. 1; 61, in Kansas. 5 p. Oct. 1; 62, in Nebraska. 4 p. Oct. 1.

4278 TOLER, A. D. Preliminary estimate of 1942 lumber production in the Carolinas, Virginia, West Virginia, Kentucky, and Tennessee. A forest survey progress report. U. S. Forest Serv. Appalachian Forest Expt. Sta. Forest Survey Release 14, 27 p., processed. Asheville, N. C., 1943. 1.9622 A3F76

4279 VAN KLEECK, ARTHUR. Fire-retarding coatings. U. S. Forest Serv. Forest Prod. Lab., Mimeog. R1280, rev., 11 p., processed. Madison, Wis., 1943. 1.9 F761R

4280 VOORHIES, GLENN, and LOUGHBOROUGH, W. K. Suggestions and instructions for kiln operators drying aircraft lumber. U. S. Forest Serv. Forest Prod. Lab., Mimeog. 1362, 36 p., processed. Madison, Wis., 1943. 1.9 F761R

Army Air Forces and the Bureau of Aeronautics cooperating.

4281 WHITNEY, C. N. Christmas tree production in western Montana in 1942. U. S. Forest Serv. North. Rocky Mountain Forest and Range Expt. Sta. Res. Note 30, 2 p., processed. Missoula, Mont., 1943. 1.9622 N3R31

4282 ZACH, L. W. The application of sample log scaling in Region One. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 31, 10 p., processed. Missoula, Mont., 1943. 1.9622 N3R31

#### GRADUATE SCHOOL

4283 CORRESPONDENCE courses. 13 p., processed. Dec. 1, 1943. 1 Ag854E

#### INFORMATION, OFFICE OF

4284 ABRIDGED chronology of Agriculture's part in the war. 17 p., processed. Dec. 10, 1943. 1.914 A5C46A

4285 CLIP SHEET. Weekly. Processed. 1943. 1 In3A

Nos. 1325. Eat it all up; Spuds in jackets; Pay off or pay up! Liberate sheep too; Soy to save; A new potato pest. Nov. 21; 1326. Hybrid timber; Peru tomato sturdy; Save containers; Hobbies hit Hitler. Nov. 28; 1327. Bombs for greenhouses; New 10-in-1 rations; Fat on the shelf; Boom starting; New oats yield; Science is a tool. Dec. 5; 1328. Bigger 1944 gardens; Soil for soldiers; New dog for cotton; Fighting food; Shelter trees; Botany goes Spanish. Dec. 12; 1329. Foods for lunches; Small potatoes; Farm for more food; Warrior's larder; Plant "var-mints"; Soy science. Dec. 19; 1330. Poison for pests; Soldier fire fighting; Post-war "musts"; Laboratory to bin; Steam-shovel storage pits; Better rubber trees; Electric farms.

4286 FOOD information series. 2 Nos., processed. 1943. 1.914 A5F733

No. 71. November farm labor jobs. 2 p. Nov. 1.

No. 73. Home slaughter of hogs. 2 p. Dec. 30.

4287 INDEX to publications of the United States Department of Agriculture 1936-1940. 763 p. 1943. 1 In33I

Edited by Mary A. Bradley.

4288 MOTION picture films of the United States Department of Agriculture distributed on [sic] the State of New York. 1 p., processed. Nov. 1943. 1.913 M3M85

4289 [PRESS releases]. 26 Nos., processed. 1943. 1.9 In31Inf

Argentina expects near record wheat crop. 2 p. Nov. 30.

Bread enrichment program extended. 1 p. Dec. 13.

Chief Forester [Lyle F. Watts] addresses lumbermen in Chicago. 2 p. Dec. 14.

Commodity futures trading increased during November. 2 p. Dec. 4.

Copper sulphate for 1944 crops. 1 p. Dec. 2.

Dehydrated Irish potatoes removed from set-aside. 1 p. Dec. 15.

Farm building material makers to meet. 2 p. Dec. 5. Farmers must supply part of their lumber needs.

2 p. Dec. 6.

Farmers urged to accept immediate delivery of fertilizer. 2 p. Dec. 11.

Forest Service mission to Chile. 1 p. Dec. 8.

Forest Service "smokejumper" training to continue. 2 p. Dec. 5.

"Freeze" order on sauerkraut terminated. 2 p. Dec. 13.

Lame farmer plans to produce eggs for over 300 fighting men. 1 p. Dec. 13.

Linseed delivery order (FDO No. 63) amended. 1 p. Dec. 2.

Lupines good for Gulf-Coast soils. 1 p. Dec. 10.

Milk conservation program amended. 1 p. Dec. 1.

National Wholesale Food Advisory Committee meeting. 3 p. Dec. 9.

1943 Burley tobacco crop allocated among manufacturers and others. 1 p. Dec. 1.

1944 Cover crop seed price support. 1 p. Dec. 7.

On the agricultural front. 3 p. Dec. 13.

Peanut food order changes. 1 p. Dec. 9.

Productive bloodlines key to higher U. S. egg yields. 2 p. Dec. 3.

Set-aside order for oilseed processors. 1 p. Dec. 2.

Sheet metal water well casing rationed. 1 p. Dec. 14.

Suspension of restrictions on vegetable oil deliveries continued. 1 p. Dec. 3.

U. S. Forestry Chief's Annual Report. 4 p. Dec. 13.

#### LIBRARY

4290 ACCESSIONS to the library [Madison sub-branch, U. S. Dept. of Agriculture Library, Forest Products Laboratory, Madison, Wis.]; General index. 4 p., processed. Madison, 1943. 1.9 F761A

4291 PUBLICATIONS of interest to Farm Security Administration personnel. 8 p., processed. Albuquerque, N. Mex., Albuquerque Branch Library, 1943. 1.916 AL1P

#### RURAL ELECTRIFICATION ADMINISTRATION

4292 INFORMATION for the press. 4 Nos., processed. St. Louis, Mo., 1943. 173.2 R88P

No. 403. [Loan allotments.] 1 p. Nov. 8.

No. 404. [Loan allotments.] 1 p. Nov. 13.

No. 405. [Loan allotments.] 1 p. Nov. 29.

No. 406. [Loan allotments.] 1 p. Dec. 7.

4293 RURAL electrification - its place in education. 12 p., processed. St. Louis, Mo., 1943. 1.933 R883



## SECRETARY, OFFICE OF

- 4294 WICKARD, C. R. [The land boom problem.] 2 p., processed. 1943. 1.9 In31Inf  
Radio address, Dec. 14.
- 4295 WICKARD, C. R. Some landmarks of the Negro's contribution to agriculture. 8 p., processed. 1943. 1.9 In31Inf  
Address before the 53rd Tuskegee Farmers Conference at Tuskegee Institute, Tuskegee, Ala., Dec. 15.
- 4296 WICKARD, C. R. Why agriculture must plan now for peace. 4 p., processed. 1943. 1.9 In31Inf  
Radio address, Dec. 10.

Personnel, Office of

- 4297 HOW TO make farm work easier. 6 p., processed. 1943. 1.917 T2H835
- 4298 "Off to a good start." 10 p., processed. 1943. 1.917 T2R22  
Reading script for slide-film which presents a practical way for training new employees.

Plant and Operations, Office of

- 4299 OUTLINE of information on country agricultural buildings to be included in State post-war plans. 2 p., processed. 1943. 1.9172 A2C832

## SOLICITOR, OFFICE OF

- 4300 BEFORE the Interstate Commerce Commission, investigation and suspension docket No. 5187, dried vegetables Pacific coast to Gulf ports. Petition of the War Food Administrator for reconsideration of the report and order of division 2, dated October 4, 1943. 23 p., processed. 1943. 1.918 D83
- 4301 BEFORE the Interstate Commerce Commission, root vegetables southwest to east, investigation & suspension docket No. 5218. Exceptions of the War Food Administrator to the proposed report of examiner Burton Fuller. 34 p., processed. 1943. 1.918 R67

## WAR FOOD ADMINISTRATION

- 4302 AVOID fatigue. Eat a lunch that packs a punch. Poster. 1943. Poster Collect. 1.8 W19A
- 4303 CIVILIAN food - '43 - '44. 56 p., processed. 1943. 1.9424 A2C49  
A handbook containing information about the needs for food in 1944 and the goals for the year's output.
- 4304 EAT THE basic 7 ...every day!...Eat a lunch that packs a punch! Poster. 1943. Poster Collect. 1.8 W19Ea
- 4305 EAT 3 well-balanced meals every day. Feel better. Work better. Fewer accidents. Eat the basic 7 every day! Poster. 1943. Poster Collect. 1.8 W19E
- 4306 FOOD distribution regulation. 2 Nos. 1943. 1 F735  
FDR 2, amend. 2. Contract schools permitted to buy set aside and restricted food. 1 p. Nov. 15. [Correction notice is attached.]
- FDR 3, amend. 1. Licensed ship suppliers permitted to buy set aside and restricted food. 1 p. Nov. 15. [Correction notice is attached.]
- 4307 GOOD food means good work...eat the basic 7 every day! Poster. 1943. Poster Collect. 1.8 W19G

Agricultural Adjustment Agency

- 4308 INSTRUCTIONS for determining 1944 blue-cured or Burley tobacco acreage allotments and yields. 4 p., processed. Dec. 8, 1943. (Tobacco 817) 1.42 T55To
- 4309 MARKETING quota instructions (Burley tobacco, 1943-44 marketing year. 10 p., processed. Oct. 23, 1943. (Tobacco 705) 1.42 T55To

- 4310 MARKETING quota regulations, Burley tobacco - 1944-45 marketing year. 5 p., processed. 1943. (Tobacco 813 (Burley) Part I) 1.42 T55To
- 4311 1943 AGRICULTURAL conservation program, Western Region; payment limitation procedure. 5 p., processed. Nov. 13, 1943. (WR-713, Pt. III) 1.42 W52F
- 4312 1944 CONSERVATION materials and services; fertilizer material. 9 p., processed. Nov. 12, 1943. (NER-811, sup. 1) 1.42 N76F
- 4313 1944 NAVAL stores conservation program bulletin. 8 p. 1943. (NSCP-801) 1.9 F7669N

Commodity Credit Corporation

- 4314 CCC LOANS on 1943-crop cotton. 1 p., processed. Dec. 30, 1943. 1.957 L782  
Loans, repayments, and outstanding loans by States, of cotton stored on farms and in warehouses. Given in number of bales through Dec. 25.

Extension Service

- 4315 LECTURE for slidefilm. 3 Nos., processed. 1943. 1.9 Ex892La  
No. 615. Diversion terraces and contour strip cropping, by W. C. Huff and P. R. Hoff. 9 p. June 1941. [Reran, 1943]
- No. 642. Prevent farm fires. 11 p. Oct.
- No. 643. Step by step with everyday tasks. 6 p. Nov.
- 4316 REESE, M. J. Home demonstration work July 1, 1942 - June 30, 1943. U. S. Ext. Serv., Ext. Serv. Cir. 412, 17 p., processed. 1943. 1.9 Ex892Esc
- 4317 REPORT of cooperative extension work in agriculture and home economics, 1943. 19 p. 1943. 1 Ex892R
- 4318 ROBINSON, J. L. Farm and home financial program during the war and post-war periods. 3 p., processed. 1943. 1.913 E2F227
- 4319 ROKAHR, MARY. Work simplification in the home. 6 p., processed. 1943. 1.913 H3W89
- 4320 STORIES of homemakers who are managing successfully under war conditions. A suggested procedure and interview schedule for use by State specialists and home demonstration agents. 2 p., processed. 1943. 1.913 H3St7
- 4321 THE STORY of Mr. and Mrs. Hampton, Connecticut. 4 p., processed. 1943. 1.913 H3St7C
- 4322 WARNER, K. F. More meals from your home-dressed meat; summary of meat conserving methods. U. S. Ext. Serv. Cir. 413, 9 p., processed. 1943. 1.9 Ex892Esc
- 4323 WOMEN farm workers, the 1943 story of the Women's Land Army of the U. S. Crop Corps. 9 p., processed. 1943. 1.913 E2W84

Farm Security Administration

- 4324 HEALTH services program; activities of county, district and State units, January-March, 1943. 27 p., processed. 1943. 1.95 M46R

Food Distribution Administration

- 4325 AMENDMENT to tentative U. S. standards for classes and grades for live poultry. 1 p., processed. Nov. 11, 1943. 1.9422 Po32P86  
Effective date changed from Nov. 1, 1943 to Jan. 2, 1944.
- 4326 ANIMALS slaughtered under Federal meat inspection. 1 p., processed. Chicago, 1943. 1.9422 M2An5
- 4327 ANNOUNCEMENTS [of intentions to purchase or sell certain commodities through the Federal Surplus Commodities Corporation]. 19 Nos., processed. 1943. 1.9422 A8An7  
FSC-1548, sup. 1. Canned pilchards. 1 p.  
FSC-1729. Wheat flour (enriched). 4 p.



- FSC-1732. Sale of roller process skim milk (animal feed grade). 1 p. (2 p. attachment - form of contract; conditions of sale)
- FSC-1756. Assorted jams. 2 p.
- FSC-1757. Peanut butter. 3 p.
- FSC-1758. Roller process dried skim milk. 4 p. (Form DPD-1758A is attached)
- FSC-1759. Rye flour. 3 p.
- FSC-1760. Field seeds. 1 p.
- FSC-1761. Stock salt. 1 p. (Form SCP 1761 (3 p.) is attached)
- FSC-1762. Pure soluble coffee. 3 p.
- FSC-1763. Bouillon powder. 2 p. (Form SCP-1763 (4 p.) is attached)
- FSC-1764. Spray process dry skim milk (Supersedes Announcement FSC-1232). 4 p. (Form DPD-1764A is attached)
- FSC-1765. Wheat flour (enriched). 4 p.
- FSC-1766. Soya grits and soya flour. 2 p. (Forms GPB, SPI-2 are attached)
- FSC-1767. Vegetable seed. 1 p. (Form GPBP-47-Sup. 2 (4 p.) is attached)
- FSC-1768. Biscuits, Army type "C." 1 p. (Form SCP-1768 (3 p.) is attached)
- FSC-1769. Biscuit, Type K-2, improved. 1 p. (Form SCP-1769 (3 p.) is attached)
- FSC-1770. Sale of raisins. 3 p.
- FSC-1771. Cocoa beverage powder. 2 p.
- 4328 BRIEF review, marketing Louisiana strawberries - 1943 season. 4 p., processed. Hammond, La., May 17, 1943. 1.9 Ec741L
- 4329 BRIEF review of the Lake Okeechobee celery season of 1943. 2 p., processed. Belle Glade, Fla., May 24, 1943. 1.9 Ec741L
- Florida State Marketing Bureau cooperating.
- 4330 BRIEF review of the south Florida pepper season of 1943. 2 p., processed. Belle Glade, Fla., May 24, 1943. 1.9 Ec741L
- Florida State Marketing Bureau cooperating.
- 4331 BRIEF review of the south Florida potato season of 1943. 2 p., processed. Belle Glade, Fla., May 24, 1943. 1.9 Ec741L
- Florida State Marketing Bureau cooperating.
- 4332 BRIEF review of the south Florida snap bean season of 1943. 4 p., processed. Belle Glade, Fla., May 24, 1943. 1.9 Ec741L
- Florida State Marketing Bureau cooperating.
- 4333 CAR-LOT shipments of fruits and vegetables in [various States] during 1942. Processed. [Various cities] 1943. 1.9 Ec741Car [and name of state]
- Titles vary slightly. Issues received for Arkansas, California, Delaware, Florida, Georgia, Indiana, Kansas, Kentucky, Louisiana, Maryland, Michigan, Mississippi, Missouri, Nebraska, New Jersey, New York, North Dakota, Oklahoma, Oregon, Pennsylvania, South Dakota, Tennessee, Texas, Virginia, Washington, and Wyoming.
- 4334 CATTLE and calves: Monthly average price per 100 pounds...[various cities], 1942. Based on the mean of daily range of quotations. Processed. [Various cities] 1943.
- Buffalo, 1 p. 1.9422 L8C29Bu
- Chicago, 2 p. 1.9422 L8C29Ch
- Cincinnati, 2 p. 1.9422 L8C29Ci
- Denver, 2 p. 1.9422 L8C29Dn
- Kansas City, 2 p. 1.9422 L8C29Ka
- Nashville, 2 p. 1.9422 L8C29Na
- North Portland, 1 p. 1.9422 L8C29Np
- Oklahoma City, 2 p. 1.9422 L8C29Ok
- Omaha, 2 p. 1.9422 L8C29Om
- Peoria, 1 p. 1.9422 L8C29Pe
- St. Louis Nat'l Stk. Yds., 2 p. 1.9422 L8C29SL
- Sioux City, 2 p. 1.9422 L8C29Si
- South St. Paul, 2 p. 1.9422 L8C29Sp
- South San Francisco, 1 p. 1.9422 L8C29Ss
- Wichita, 2 p. 1.9422 L8C29Wi
- 4335 CATTLE and calves: Weekly average price per 100 pounds...[various cities], 1942. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.
- Baltimore, 2 p. 1.9422 L8C29Baw
- Buffalo, 2 p. 1.9422 L8C29Buw
- Denver, 2 p. 1.9422 L8C29Dnw
- No. Portland, 2 p. 1.9422 L8C29Npw
- South San Francisco, 1 p. 1.9422 L8C29Ssw
- 4336 CATTLE and calves: Weekly average price per 100 pounds...[various cities], 1943. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.
- Baltimore, 1 p. 1.9422 L8C29Baw
- Chicago, 2 p. 1.9422 L8C29Chw
- Cincinnati, 2 p. 1.9422 L8C29Ciw
- Kansas City, 2 p. 1.9422 L8C29Kaw
- Ogden & North Salt Lake, 2 p. 1.9422 L8C29Ogw
- Oklahoma City, 2 p. 1.9422 L8C29Okw
- Omaha, 1 p. 1.9422 L8C29Omaw
- Peoria, 1 p. 1.9422 L8C29Pew
- St. Louis Nat'l Stock Yards, 1 p. 1.9422 L8C29SLw
- South St. Paul, 1 p. 1.9422 L8C29Spw
- 4337 CONTAINERS for fresh fruits and vegetables. 3 p., processed. 1943. 1.9422 Fr2C76
- 4338 COTTON quality statistics, United States 1942-43. 58 p., processed. 1943. (CS-5) 1.9422 A8C732
- 4339 CURED pork cuts and lard: Weekly average wholesale price per 100 pounds, Chicago, 1942. Based on the mean of daily range of quotations. 1 p., processed. 1943. 1.9422 M8C92Chw
- 4340 CURED pork cuts - monthly average wholesale price per 100 pounds, San Francisco, 1942. Based on the mean of daily range of quotations. 1 p., processed. 1943. 1.9422 M8C92Sa
- 4341 DAVIS, L. M. Wartime quotations on dairy and poultry products. 10 p., processed. 1943. 1.9422 D43W26
- 4342 DETERMINATION of fair and reasonable prices for the 1943 crop of Florida sugarcane for sugar. U. S. Food Distrib. Admin. S. D. 174, 1 p. 1943. 1.94 Su3Sd
- 4343 DETERMINATION of fair and reasonable prices for the 1943 crop of Louisiana sugarcane for sugar. U. S. Food Distrib. Admin. S.D.173, 5 p. 1943. 1.94 Su3Sd
- 4344 DETERMINATION of proportionate shares for farms in the domestic beet sugar area for the 1943 crop. U. S. Food Distrib. Admin. S. D. 175, 1 p. 1943. 1.94 Su3Sd
- Acreage allotment.
- 4345 DISCUSSION guide on food conservation for use by women's groups. 18 p., processed. 1943. 1.9422 N2D63
- 4346 DOMESTIC wool: Monthly average prices at Boston, 1942. 1 p., processed. 1943. 1.9422 L8D71Bg
- 4347 DOMESTIC wool: Weekly average prices at Boston, 1942. 1 p., processed. 1943. 1.9422 L8D71Bgw
- 4348 FEED supplies for 1943-44 equal to record of 1942-43 now in prospect. 2 p., processed. 1943. 1.9422 G2F32
- 4349 FOOD distribution order. 29 Nos. 1943. 1 F733F
- FDO 1, amend. 5. Bakery products; manufacture and distribution of bakery products. 2 p. Dec. 11.
- FDO 4-4. Crop fire-cured and dark air-cured tobacco [restrictions]. 1 p. Nov. 27.
- FDO 4-4, amend. 1 and 2. Crop fire-cured and dark air-cured tobacco. 1 p. each. Dec. 4, 14.
- FDO 18-3, amend. 1. Tea quotas, packing restrictions, reports, and records for packers and wholesalers. 2 p. Nov. 30.



FDO 22-5. Canned citrus fruit and canned citrus fruit juices [quota restrictions and allocations]. 2 p. Nov. 26.

FDO 29 (Partial Suspension) amend. 1. Use and distribution of cottonseed, peanut, soybean, and corn oil. 1 p. Dec. 3.

FDO 30, amend. 3. Conservation and distribution of dehydrated vegetables. 1 p. Dec. 14.

FDO 32, amend. 2. Restriction on use and distribution of castor oil. 1 p. Dec. 7.

FDO 33, amend. 1. Fats and oils; required recovery of glycerine. 2 p. Dec. 23.

FDO 42-1, amend. 1. Fats and oils; reports on consumption and applications for quota exemptions. 1 p. Dec. 15.

FDO 63, amend. 2. Fats and oils; restrictions on delivery of linseed oil. 1 p. Dec. 23.

FDO 64 Termination. Shipment of clingstone peaches grown in California. 1 p. Dec. 13.

FDO 68, amend. 3. Cigar filler and binder types of tobacco. 1 p. Dec. 6.

FDO 73 Termination. Shipment of freestone peaches grown in the State of California. 1 p. Dec. 13.

FDO 74 Termination. Shipment of Elberta peaches grown in Oregon or Washington. 1 p. Dec. 13.

FDO 75, amend. 4-8. Slaughter of livestock and delivery of meat. 1 p. each. Dec. 1, 2, 6, 15, and 21, respectively.

FDO 78 Termination. Termination of order relating to the conservation and distribution of peanuts and peanut butter. 1 p. Dec. 8.

FDO 79-6, amend. 1. Fluid milk and cream in Richmond, Va., sales area. 1 p. Nov. 22.

FDO 79-100 amend. 1. Director's order for the Madison, Wis., Milk Sales Area. 1 p. Dec. 2.

FDO 82 amend. 1. Walnuts required to be set aside. 1 p. Dec. 7.

FDO 83-3 Termination. Inspection of apples. 1 p. Dec. 20.

FDO 84 Termination. Sauerkraut. 1 p. Dec. 13.

FDO 89. Conservation and distribution of peanuts and peanut butter. 2 p. Dec. 8.

FDO 90-1. Food storage facilities; designation of excluded and limited-storage commodities and requirement of reports. 1 p. Dec. 22.

4350 HOGS: Monthly average price per 100 pounds, ...[various cities], 1942. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.

Chicago, 1 p. 1.9422 L8H67Ch

Louisville, 1 p. 1.9422 L8H67Lo

North Portland, 1 p. 1.9422 L8H67Np

Ogden and North Salt Lake, 1 p. 1.9422 L8H67Og

Oklahoma City, 1 p. 1.9422 L8H67Ok

Peoria, 1 p. 1.9422 L8H67Pe

St. Louis Nat'l Stock Yards, 1 p. 1.9422 L8H67SL

South St. Joseph, 1 p. 1.9422 L8H67Sj

South St. Paul, 1 p. 1.9422 L8H67Sp

South San Francisco, 1 p. 1.9422 L8H67Ss

4351 HOGS: Weekly average price per 100 pounds, ...[various cities], 1942. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.

Indianapolis, 2 p. 1.9422 L8H67Inw

North Portland, 1 p. 1.9422 L8H67Npw

Ogden and North Salt Lake, 2 p. 1.9422 L8H67Ogw

Oklahoma City, 2 p. 1.9422 L8H67Okw

South San Francisco, 1 p. 1.9422 L8H67Ssw

4352 HOGS: Weekly average price per 100 pounds, ...[various cities], 1943. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.

Chicago, 1 p. 1.9422 L8H67Chw

Omaha, 1 p. 1.9422 L8H67Om

St. Louis Nat'l Stock Yards, 1 p. 1.9422 L8H67SLw

Sioux City, 1 p. 1.9422 L8H67Siw

South St. Joseph, 1 p. 1.9422 L8H67Sjw

South St. Paul, 1 p. 1.9422 L8H67Spw

4353 INDUSTRIAL nutrition service. 4 p., processed. 1943. 1.9422 N2In22

Utilization of ration points; suggested menus.

4354 INFORMATION for public speakers on food waste. 21 p., processed. 1943. 1.9422 N2In3

4355 LICENSING ship suppliers. 6 p., processed. 1943. 1 F733F

Question and answer explanation of Food Distribution Regulation No. 3, which has as its primary purpose to facilitate the delivery of foods to ships, and at the same time to control the use of scarce foods handled by ship suppliers.

4356 A LIST of publications relating to food. 3 p., processed. 1943. 1.9422 A2L693

4357 LOCALLY dressed fresh meats - pork cuts and fresh pork carcasses: Weekly average wholesale price per 100 pounds, San Francisco, 1942. Based on the mean of daily range of quotations. 1 p., processed. 1943. 1.9422 M8L78Psw

4358 LOCALLY dressed meats - lamb and mutton: Weekly average wholesale price per 100 pounds, San Francisco, 1942. Based on the mean of daily range of quotations. 1 p., processed. 1943. 1.9422 M8L78Lsw

4359 MARKETING Florida citrus; summary of 1942-43 season. 82 p., processed. Lakeland, Fla., 1943. 1.9 Ec741L

Florida State Marketing Bureau cooperating.

Compiled by H. F. Willson from the daily citrus bulletins issued at Lakeland, Fla., and from various reports released by State and Federal agencies.

4360 MEMBERSHIP list of ...food industry advisory committees. 9 Nos., 1 p. each, processed. 1943. 1.9422 A2M51

Beet sugar; Canned vegetable; Canned vegetable baby food; Dry beans and peas; Fluid milk conservation and control; Honey; Industrial oil; National Retail; Wholesale food distributors.

4361 OPEN contracts of regulated commodities, all contract markets combined, end of month, July-October 1942 and 1943. 1 p., processed. 1943. 1.9422 Co2Op2

4362 ORGANIZATION of post-war planning in marketing and distribution. 7 p., processed. Dec. 8, 1943. 1.9422 Pa2Or3

4363 PROCEEDINGS of regional poultry and egg conferences - supplement VI. 3 p., processed. Nov. 6, 1943. 1.9422 Pe3F94 sup. 6

Important changes in OPA regulations, since the release of Supplement V as of Oct. 27. Six regulations are attached.

4364 QUESTIONS and answers. 4 Nos., processed. 1943. 1 F733F

Bakery products (FDO No. 1, amend. 5). 5 p. Dec.

Linseed oil (FDO No. 56, as amended). 2 p. Dec.

Sauerkraut (FDO No. 84). 7 p. Dec.

Soap (FDO No. 86). 4 p. Dec.



- 4365 [REDUCING food waste]... script which has been approved by OWI. 3 Nos., processed. 1943. 1.9422 N2Scr7  
 No. 1. Reduce waste through better meal-planning. 5 p.  
 No. 2. Reduce waste with proper food preparation and storage methods. 5 p.  
 No. 3. Reduce waste with new table manners and better use of leftovers. 5 p.
- 4366 SCHOOL lunch program, 1943-1944. North Dakota. 4 p., processed. Fargo, N. Dak., 1943. 1.9422 C12Sch63
- 4367 SHEEP and lambs: Monthly average price per 100 pounds...[various cities], 1942. Based on the mean of daily range of quotations. Processed. [Various cities], 1943.  
 Ogden and No. Salt Lake, 1 p. [Also has weekly prices]. 1.9422 L8Sh30g  
 Peoria, 1 p. 1.9422 L8Sh3Pe  
 Sioux City, 1 p. 1.9422 L8Sh3Si  
 Wichita, 1 p. 1.9422 L8Sh3Wi
- 4368 SHEEP and lambs: Weekly average price per 100 pounds, Peoria, 1942. Based on the mean of daily range of quotations. 1 p., processed. 1943. 1.9422 L8Sh3Pew
- 4369 SHEEP and lambs: Weekly average price per 100 pounds...[several cities], 1943. Based on the mean of daily range of quotations. Processed. [Several cities], 1943.  
 Chicago, 1 p. 1.9422 L8Sh3Chw  
 South St. Paul, 1 p. 1.9422 L8Sh3Spw
- 4370 SPINNING and fiber test results for some cotton grown in Texas and Oklahoma, crops of 1941 and 1942. 8 p., processed. 1943. 1.9422 C2Sp4  
 Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Agricultural Experiment Station and the Engineering Experiment Station of the Agricultural and Mechanical College of Texas.
- 4371 SPINNING and fiber test results for some cottons grown in California, Arizona, and New Mexico, crops of 1941 and 1942. 7 p., processed. 1943. 1.9422 C2Sp42
- 4372 TENTATIVE United States standards for grades of canned blackberries (effective May 15, 1940). 6 p., processed. 1943. 1.9422 Fr5B56
- 4373 TENTATIVE United States standards for peanut and peanut mixed hay. 3 p., processed. 1943. 1.9422 V3P31
- 4374 UNCLE SAM says: Cut spoilage losses. 1 p., processed. 1943. 1.9422 Fr34Un  
 How to avoid needless losses in fresh fruits and vegetables.
- 4375 WATLING, H. W. Administration of the slaughter permit program, handbook of procedure for county war meat committees. 18 p., processed. Burlington, Vt., 1943. 1.9422 M2A46
- 4376 WESTERN dressed fresh meats...Weekly average wholesale price per 100 pounds, [several cities], 1942. Based on the mean of daily range of quotations. 7 Nos., processed. [Several cities], 1943.  
 Beef and veal, at Boston. 2 p. 1.9422 M8W52Bw  
 Beef and veal, at Chicago. 2 Nos., one showing prices January-June, the other, July-December. 1 p. each. 1.9422 M8W52Bcw  
 Lamb and mutton, at Boston. 2 p. 1.9422 M8W52Lbw  
 Lamb and mutton, at New York. 1 p. 1.9422 M8W52Lnw  
 Pork cuts, at Boston. 1 p. 1.9422 M8W52Pbw  
 Pork cuts, at New York. 2 p. 1.9422 M8W52Pnw
- Soil Conservation Service
- 4377 FERTILIZERS for fish ponds. 8 p., processed. Lincoln, Nebr., U. S. Soil Conserv. Serv. North Great Plains Region, 1943. 1.9607 F41
- 4378 HARROLD, L. L., and KRIMGOLD, D. B. Runoff measuring devices, soil conservation research, compiled for Latin American trainees. U. S. Soil Conserv. Serv. SCS-TP-51, 42 p. 1943. 1.96 Ad6Tp
- 4379 JOHNSON, J. W. Laboratory investigations on bed-load transportation and bed roughness; a compilation of published and unpublished data. U. S. Soil Conserv. Serv. SCS-TP-50, 116 p., processed. 1943. 1.96 Ad6Tp  
 Presents basic experimental data on sediment transportation needs.
- 4380 LANTOW, J. L. Guide to range forage appraisal. U. S. Soil Conserv. Serv. Southwest Region, Regional Bul. 91 (Range Mangt. Ser. 8), 7 p., processed. Albuquerque, N. Mex., 1943. 1.9608 R26
- 4381 SOIL conservation in Iowa. 13 p., processed. Ames, Iowa, U. S. Soil Conserv. Serv. Upper Miss. Region, 1943. 1.9605 So37
- 4382 STATEMENT of approach on range conservation; U. S. Soil Conserv. Serv. Southwest Region, Regional Bul. 90 (Range Mangt. Ser. 7), 11 p., processed. Albuquerque, N. Mex., 1943. 1.9608 R26



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

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Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

California Agricultural Experiment Station, Berkeley

4383 MICHELBACHER, A. E., MacLEOD, G. F., and SMITH, R. F. Control of Diabrotica, or western spotted cucumber beetle, in deciduous fruit orchards. Calif. Agr. Expt. Sta. Bul. 681, 34 p. 1943. Ref., p. 33-34. 100 C12S

4384 DAVIS, G. N. Onion production in California. Calif. Agr. Expt. Sta. Cir. 357, 19 p. 1943. 100 C12S

4385 THE CALIFORNIA farm real estate situation. 24 p., processed. Calif. Agr. Expt. Sta., 1943. 282.010 C12

Discusses measures for controlling price inflation.

4386 MacGILLIVRAY, J. H., and others. Food values on a pound, acre, and man-hour basis for California fresh vegetables. 23 p., processed. Calif. Agr. Expt. Sta., 1943. Ref., p. 22-23. 281.391 C12

Arthur Shultis, G. C. Hanna, and A. F. Morgan, joint authors.

4387 MacGILLIVRAY, J. H., and others. Labor and material requirements of California vegetables. 15 p., processed. Calif. Agr. Expt. Sta., 1943. 281.391 C12L

Arthur Shultis, A. E. Michelbacher, P. A. Minges, and L. D. Doneen, joint authors.

Colorado Agricultural Experiment Station, Fort Collins

4388 BRANDON, J. F., and others. Field bean production without irrigation in Colorado. Colo. Agr. Expt. Sta. Bul. 482, 22 p. 1943. 100 C71S

D. W. Robertson, A. M. Binkley, and W. A. Kreutzer, joint authors.

4389 CODE, W. E. Use of ground water for irrigation in the South Platte Valley of Colorado. Colo. Agr. Expt. Sta. Bul. 483, 44 p. 1943. 100 C71S

U. S. Soil Conservation Service cooperating.

4390 NEWSOM, I. E., TOBISKA, J. W., and OSLAND, H. B. The effect of rations on the production of urinary calculi in sheep. Colo. Agr. Expt. Sta. Tech. Bul. 31, 42 p. 1943. Ref., p. 41-42. 100 C71S

4391 COLORADO Farm Bulletin, v. 5, No. 5. Nov./Dec. 1943. 100 C71S

Connecticut (Storrs) Agricultural Experiment Station, Storrs

4392 WHETTEN, N. L., and RIECKEN, H. W., JR. The foreign-born population of Connecticut, 1940. Conn. (Storrs) Agr. Expt. Sta. Bul. 246, 75 p. 1943. 100 C76S

Florida Agricultural Experiment Station, Gainesville

4393 KINCAID, R. R., and REEVES, JESSE. Cultural practices for root-knot control between annual crops of cigar-wrapper tobacco. Fla. Agr. Expt. Sta. Bul. 392, 16 p. 1943. 100 F66S

4394 PHILLIPS, A. M. Control of the pecan nut casebearer, *Acrobasis caryae* Grote, and leaf casebearer, *Acrobasis juglandis* (LeB.). Fla. Agr. Expt. Sta. Press Bul. 591, 4 p. 1943. 100 F66S  
U. S. Dept. Agr. cooperating.

Georgia Coastal Plain Experiment Station, Tifton

4395 CREOSOTING fence posts for the farm. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 24, 3 p., processed. 1943. 100 G29S

4396 FERTILIZERS for south Georgia field crops in 1944. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 25, 2 p., processed. 1943. 100 G29S

Illinois Agricultural Experiment Station, Urbana

4397 BONNETT, O. T. Prairie, a new variety of soft red winter wheat for Illinois. Ill. Agr. Expt. Sta. AG1155, 1 p., processed. 1943. 275.29 I162Pag

4398 DUNGAN, G. H., BOLIN, O. E., and WOODWORTH, C. M. 1942 experimental hybrid corn trials in Illinois. Ill. Agr. Expt. Sta. AG1128, 7 p., processed. 1943. 275.29 I162Pag

Illinois Natural History Survey and the U. S. Dept. of Agriculture cooperating.

4399 KOEHLER, BENJAMIN. Anthracnose, a serious disease of broomcorn in Illinois. Ill. Agr. Expt. Sta. AG1121, 5 p., processed. 1943. 275.29 I162Pag

4400 KOEHLER, BENJAMIN. Soybean diseases. Ill. Agr. Expt. Sta. AG1140, 4 p., processed. 1943. 275.29 I162Pag

4401 STAUFFER, R. S., and VAN DOREN, C. A. Effect of contour farming on soil and surface water losses and on plant nutrient losses from tile drains and from erosion type lysimeters. Ill. Agr. Expt. Sta. AG1158, 4 p., processed. 1943. 275.29 I162Pag  
U. S. Dept. of Agriculture cooperating.

4402 STIMSON, C. H., and DETURK, E. E. The boron problem in Illinois. Ill. Agr. Expt. Sta. AG1161, 3 p., processed. 1943. 275.29 I162Pag

4403 VAN DOREN, C. A., and STAUFFER, R. S. Effect of crop residues on runoff and erosion. Ill. Agr. Expt. Sta. AG1159, 3 p., processed. 1943. 275.29 I162Pag

U. S. Dept. Agr. cooperating.

4404 WOODWORTH, C. M., and BOLIN, OREN. Systematic single cross yield trials [with corn]. Ill. Agr. Expt. Sta. AG1124, rev., 11 p., processed. 1943. 275.29 I162Pag

U. S. Dept. Agr. cooperating.

4405 WOODWORTH, C. M. Viking soybeans. Ill. Agr. Expt. Sta. AG1163, 4 p., processed. 1943. 275.29 I162Pag

Kansas Agricultural Experiment Station, Manhattan

4406 SWANSON, A. F., and LAUDE, H. H. Barley production in Kansas. Kans. Agr. Expt. Sta. Bul. 318, 38 p. 1943. 100 K13S



- 4407 FILINGER, G. A., and MACKINTOSH, D. L. Preserving foods in frozen lockers. Kans. Agr. Expt. Sta. Cir. 217, 38 p. 1943. 100 K13S  
Cir. 209, revised.
- 4408 PAYNE, L. F. Culling poultry. Kans. Agr. Expt. Sta. Cir. 216, 31 p. 1943. 100 K13S  
Cir. 147, rev.
- Michigan Agricultural Experiment Station, East Lansing
- 4409 FISH recipes: carp. Mich. Agr. Expt. Sta. Folder 1, 8 p. 1943. 100 M58F  
Michigan Department of Conservation cooperating.
- Minnesota Agricultural Experiment Station, University Farm, St. Paul.
- 4410 CRIM, R. F., and others. Maturity ratings of corn hybrids registered for sale in Minnesota in 1943. Minn. Agr. Expt. Sta. Bul. 374, 15 p. 1943. 100 M66  
H. K. Hayes, R. O. Bridgford, R. S. Dunham, R. E. Hodgson, F. R. Immer, E. H. Rinke, and Y. S. Tsiang, joint authors.
- 4411 McVOY, E. C., and NELSON, LOWRY. Satisfactions in living; farm versus village. Minn. Agr. Expt. Sta. Bul. 370, 16 p. 1943. 100 M66
- Mississippi Agricultural Experiment Station, State College
- 4412 O'KELLY, J. F., FERRIS, E. B., and ASHLEY, T. E. Tests of cotton varieties in the hill section of Mississippi, 1942. Miss. Agr. Expt. Sta. Bul. 386, 7 p. 1943. 100 M69
- 4413 MISSISSIPPI farm research, v. 6, No. 12. Dec. 1943. 100 M69M1
- Nebraska Agricultural Experiment Station, Lincoln
- 4414 GARVER, SAMUEL, SLATENSEK, J. M., and KIESSELBACH, T. A. Sweetclover in Nebraska. Nebr. Agr. Expt. Sta. Bul. 352, 47 p. 1943. 100 N27
- 4415 LOEFFEL, W. J., DERRICK, W. W., and PETERS, MATILDA. Weight of pigs as it affects gains and carcass qualities. Nebr. Agr. Expt. Sta. Bul. 351, 19 p. 1943. 100 N27
- 4416 LOEFFEL, W. J. A manual for hog raisers. Nebr. Agr. Expt. Sta. Cir. 40, 6th ed., 48 p. 1943. 100 N27
- 4417 TATE, H. D., and WHELAN, D. B. Controlling stored-grain pests on Nebraska farms. Nebr. Agr. Expt. Sta. Cir. 74, 10 p. 1943. 100 N27
- New Jersey Agricultural Experiment Station, New Brunswick
- 4418 YUSHOK, WASLEY, and BEAR, F. E. Poultry manure, its preservation, deodorization, and disinfection. N. J. Agr. Expt. Sta. Bul. 707, 11 p. 1943. 100 N46S
- 4419 PLANT disease notes, v. 20, No. 12, processed. Mar. 1943. 464.9 N46P  
Issued Dec. 1943.
- 4420 PLOWSHARES and swords: the report of the New Jersey Agricultural Experiment Station for the fiscal year 1942-43. N. J. Agr. 25(6): 1-20. Nov./Dec. 1943. 275.29 N46  
Not published in separate form.
- New York (State) Agricultural Experiment Station, Geneva
- 4421 FARM research, v. 10, No. 1. Jan. 1, 1944. 100 N48A
- North Dakota Agricultural Experiment Station, State College Station, Fargo
- 4422 BIMONTHLY bulletin, v. 6, No. 2. Nov. 1943. 100 N813B
- Ohio Agricultural Experiment Station, Wooster
- 4423 OHIO forest news, No. 39, 14 p. July 1943. 99.8 Oh32
- Pennsylvania Agricultural Experiment Station, State College
- 4424 FORBES, E. B., and others. Conditions affecting the digestibility and the metabolizable energy of feeds for cattle. Pa. Agr. Expt. Sta. Bul. 452, 34 p. 1943. 100 P381  
R. W. Swift, J. W. Bratzler, Alex Black, E. J. Thacker, C. E. French, L. F. Marcy, R. F. Elliott, and H. P. Moore, joint authors.
- Puerto Rico Agricultural Experiment Station, Rio Piedras
- 4425 REPORT on the possibilities of utilizing Navy lands in Vieques Island for a resettlement project. Puerto Rico (Rio Piedras) Agr. Expt. Sta. Mimeog. Rot. 23, 32 p. 1943. 100 P83M
- South Carolina Agricultural Experiment Station, Clemson
- 4426 MOSER, A. M. School lunches in two rural communities. S. C. Agr. Expt. Sta. Cir. 66, 24 p. 1943. 100 So82
- South Dakota Agricultural Experiment Station, Brookings
- 4427 JOHNSON, I. B., and FENN, F. U. Creep feeding calves for baby-beef production. S. Dak. Agr. Expt. Sta. Bul. 371, 16 p. 1943. 100 So82
- 4428 LUNDY, GABRIEL. Farm-mortgage experience in South Dakota, 1910-40. S. Dak. Agr. Expt. Sta. Bul. 370, 32 p. 1943. 100 So82
- 4429 SPAWN, G. B. Tillage methods in grass-hopper control. (A progress report.) S. Dak. Agr. Expt. Sta. Ent. Pam. 6, 2 p., processed. 1943. 100 So82
- Tennessee Agricultural Experiment Station, Knoxville
- 4430 PARKER, J. E., and McSPADDEN, B. J. Pasture studies with laying hens. 1. Influence of winter pastures. 2. Simple rations with and without pasture. Tenn. Agr. Expt. Sta. Bul. 185, 19 p. 1943. 100 T25S
- 4431 LUEBKE, B. H., and others. Collection of milk from farms, Knoxville milk shed area. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 162, 40 p., processed. 1943. 173.2 W89Co  
C. E. Mantle, W. S. Rowan, and C. E. Allred, joint authors.
- Texas Agricultural Experiment Station, College Station
- 4432 ROGERS, C. H. Cotton seed-treatment studies at the Blackland Experiment Station. Tex. Agr. Expt. Sta. Bul. 634, 22 p. 1943. 100 T31S
- Utah Agricultural Experiment Station, Logan
- 4433 THOMAS, W. P. The Utah price situation. Utah Agr. Expt. Sta. Mimeog. Ser. 305, 3 p. 1943. 100 UtlM1



Vermont Agricultural Experiment Station, Burlington

4434 FRAYER, J. M. Mold growth in composite milk samples. Vt. Agr. Expt. Sta. Pam. 2, 7 p. 1943. 100 V59P

4435 LUTMAN, B. F. Potato scab control. Vt. Agr. Expt. Sta. Pam. 3, 3 p. 1943. 100 V59P

4436 MIDGLEY, A. R., and DUNKLEE, D. E. Spreading lime with manure. Vt. Agr. Expt. Sta. Pam. 6, 4 p. 1943. 100 V59P

4437 MIDGLEY, A. R., and DUNKLEE, D. E. Using borax and boric acid to control house flies in manure. Vt. Agr. Expt. Sta. Pam. 5, 7 p. 1943. 100 V59P

4438 NEWLANDER, J. A. When should the hay crop be cut? Vt. Agr. Expt. Sta. Pam. 7, 4 p. 1943. 100 V59P

4439 VARNEY, K. E. Potato leafroll control. Vt. Agr. Expt. Sta. Pam. 4, 3 p. 1943. 100 V59P

Virginia Agricultural Experiment Station, Blacksburg

4440 GARNETT, W. E. County and community standards and planning. Va. Agr. Expt. Sta. Rural Sociol. Mimeog. Rpt. 26, 26,298 p. 1943. 100 V81M  
Virginia State Planning Board cooperating.

4441 GARNETT, W. E. The Virginia rural health and medical case study; a progress report and related questions. Va. Agr. Expt. Sta. Rural Sociol. Mimeog. Rpt. 27, 9 p. 1943. 100 V81M

Washington Agricultural Experiment Station, Pullman

4442 RUFENER, W. W., PUBOLS, B. H., and SCHWARTZE, S. W. An economic study of farming in northern Spokane County, Washington. Wash. Agr. Expt. Sta. Bul. 433, 31 p. 1943. 100 W27E

U. S. Bureau of Agricultural Economics cooperating.

4443 RUFENER, W. W., PUBOLS, B. H., and SCHWARTZE, S. W. An economic study of farming in selected communities of Thurston County, Washington. Wash. Agr. Expt. Sta. Bul. 434, 51 p. 1943. 100 W27E

U. S. Bureau of Agricultural Economics cooperating.

4444 SCHAFER, E. G., VOGEL, O. A., and SWENSON, S. P. Winter wheat for the 1944 crop. Wash. Agr. Expt. Sta. Pop. Bul. 173, 6 p. 1943. 100 W27E

Wisconsin Agricultural Experiment Station, Madison

4445 JOHNSON, JAMES, and OGDEN, W. B. Tobacco fertilizer experiments in Vernon County. Wis. Agr. Expt. Sta. Res. Bul. 148, 31 p. 1943. 100 W75



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

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Alabama Polytechnic Institute, Agricultural Extension Service, Auburn

- 4446 CURTIS, LAVADA. American cheese. Ala. Polytech. Inst. Agr. Ext. Cir. 264, 4 p. 1943. 275.29 A11C
- 4447 GREGORY, W. H. Sheep production for Alabama. Ala. Polytech. Inst. Agr. Ext. Cir. 260, 20 p. 1943. 275.29 A11C
- 4448 HOUSEHOLD equipment, its care and simple repair. Ala. Polytech. Inst. Agr. Ext. Cir. 263, 36 p. 1943. 275.29 A11C
- Also published as Clemson Agr. Col. S. C. Ext. Bul. 106. 1943. 275.29 So8F; Va. Agr. Col. Ext. Bul. 156. 1943. 275.29 V81B
- 4449 LOWERY, J. C., and COTNEY, W. W. War emergency feed production. Ala. Polytech. Inst. Agr. Ext. Cir. 261, 8 p. 1943. 275.29 A11C
- 4450 SIMON, MILDRED. Dehydrated foods and their preparation. Ala. Polytech. Inst. Agr. Ext. Cir. 262, 8 p. 1943. 275.29 A11C
- 4451 WILSON, J. B., and ROSS, C. R. Farm fire control. Ala. Polytech. Inst. Agr. Ext. Cir. 265, 8 p. 1943. 275.29 A11C

Arizona University, College of Agriculture, Agricultural Extension Service, Tucson

- 4452 DAVIS, R. N. Making and storing farm butter. Ariz. Agr. Col. Ext. Folder W-12, 6 p. 1943. 275.29 Ar4Ext
- 4453 DUDGEON, L. T. Meat on the kitchen front. Ariz. Agr. Col. Ext. Folder W-16, 8 p. 1943. (Good Food Ser.) 275.29 Ar4Ext
- 4454 DUDGEON, L. T. Meet the meat alternates. Ariz. Agr. Col. Ext. Folder W-15, 16 p. 1943. (Victory Food Ser.) 275.29 Ar4Ext
- 4455 DUDGEON, L. T. Your pressure cooker. Ariz. Agr. Col. Ext. Folder W-22, 8 p. 1943. (Victory Food Ser.) 275.29 Ar4Ext
- 4456 HINDS, H. B., and ROWE, C. F. Construction of an electric brooder. Ariz. Agr. Col. Ext. Folder W-17, 6 p. 1943. 275.29 Ar4Ext
- 4457 RIDDELL, W. H., and ROWE, C. F. Better calves and heifers. Ariz. Agr. Col. Ext. Folder W-13, 6 p. 1943. 275.29 Ar4Ext
- 4458 RIGDEN, J. T., and RONEY, J. N. A meat waster, the short-nosed blue cattle louse [Haematopinus eurysternus]. Ariz. Agr. Col. Ext. Folder W-20, 4 p. 1943. 275.29 Ar4Ext
- 4459 ROWE, C. F. Milk for victory. Ariz. Agr. Col. Ext. Folder W-14, 6 p. 1943. 275.29 Ar4Ext

- 4460 TATE, H. F. Food from the home garden and orchard. Ariz. Agr. Col. Ext. Folder W-19, 6 p. 1943. 275.29 Ar4Ext

California University, College of Agriculture, Agricultural Extension Service, Berkeley

- 4461 FLUHARTY, L. W., DELPHEY, C. C., and FERGERTSON, G. S. B. 1942 lemon management study, Santa Barbara County. 9 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En
- Includes general summary of annual reports for the period 1932-1942.

Colorado State College of Agriculture, Extension Service, Fort Collins

- 4462 BINKLEY, A. M. Growing tomatoes in Colorado. Colo. State Col. Agr. Ext. Farm Victory Program D-46, 21 p. 1943. 275.29 C71D
- 4463 ECKBLAD, I. M. Home canning of fruits. Colo. State Col. Agr. Ext. Farm Victory Program D-41, 14 p. 1943. 275.29 C71D
- 4464 ECKBLAD, I. M. Home canning of vegetables. Colo. State Col. Agr. Ext. Farm Victory Program D-40, 19 p. 1943. 275.29 C71D
- 4465 HENDERSON, W. J. Control of the diseases of barley, wheat, oats, corn, sorghums, alfalfa, flax. Colo. State Col. Agr. Ext. Farm Victory Program D-44, 16 p. 1943. 275.29 C71D
- 4466 HENDERSON, W. J. Diseases of cucumber and melons and their control. Colo. State Agr. Col. Ext. Farm Victory Program D-45, 9 p. 1943. 275.29 C71D
- 4467 HENDERSON, W. J., and BODINE, E. W. Diseases of fruit and fruit trees. Colo. State Col. Agr. Ext. Farm Victory Program D-43, 12 p. 1943. 275.29 C71D
- 4468 McCAMPBELL, S. C. Pest control on the home front. Colo. State Col. Agr. Ext. Farm Victory Program D-39, 16 p. 1943. 275.29 C71D

Delaware University, School of Agriculture, Extension Service, Newark

- 4469 MILES, G. A. Delaware poultry record calendar 194- to 19-. Del. Univ. Agr. Ext. Inform. Card 50, 35 p., processed. 1943. 275.29 D37I

Idaho University, College of Agriculture, Extension Service, Moscow

- 4470 BETTER use saves juice. Idaho Agr. Col. Rural Electrification. Ext. Leaflet 48, 2 p. 1943. 275.29 Id13Ir

Suggestions for the economical use of electric equipment.

Illinois University, College of Agriculture, Extension Service, Urbana

- 4471 APPLEMAN, M. D. Artificial manures. Ill. Agr. Col. Ext. AG1169, 4 p., processed. 1943. 275.29 Il162Pag
- 4472 LANG, A. L. Suggestions for supplementary fertilizer treatments in Illinois according to latest Government order FPO-5 revised August 1, 1943. Ill. Agr. Col. Ext. AG1166, 4 p., processed. 1943. 275.29 Il11Pag
- 4473 LINN, M. B. Sudden death (late blight) in potato fields. Ill. Agr. Col. Ext. H-333, 3 p., processed. 1943. 275.29 Il162Ph
- 4474 SOMERS, L. A. Chinese cabbage: an excellent substitute for head lettuce and bleached celery. Ill. Agr. Col. Ext. H-314t, 4 p., processed. 1943. 275.29 Il162Ph
- 4475 SOMERS, L. A. The fall Victory garden. Ill. Agr. Col. Ext. H-330, 2 p., processed. 1943. 275.29 Il162Ph



4476 SOMERS, L. A. Growing onions in the victory garden. Ill. Agr. Col. Ext. H-307, 4 p., processed. 1943. 275.29 I162Ph

4477 SOMERS, L. A. Judging Victory gardens. Ill. Agr. Col. Ext. H-324, 4 p., processed. 1943. 275.29 I162Ph

4478 SOMERS, L. A. The leafy salads and greens. Ill. Agr. Col. Ext. H-320, 6 p., processed. 1943. 275.29 I162Ph

4479 SOMERS, L. A. Making and using a cheese-cloth duster. Ill. Agr. Col. Ext. H-328, 2 p., processed. 1943. 275.29 I162Ph

4480 SOMERS, L. A. Planning, managing, and judging Victory garden shows and exhibitions. Ill. Agr. Col. Ext. H-326, 5 p., processed. 1943. 275.29 I162Ph

4481 SOMERS, L. A. Plants for transplanting in the Victory garden. Ill. Agr. Col. Ext. H-309, 6 p., processed. 1943. 275.29 I162Ph

4482 SOMERS, L. A. Shall we grow dry beans? Ill. Agr. Col. Ext. H-321, 5 p., processed. 1943. 275.29 I162Ph

4483 SOMERS, L. A. Snap beans for the Victory garden. Ill. Agr. Col. Ext. H-306, 4 p., processed. 1943. 275.29 I162Ph

4484 SOMERS, L. A. Spend money for fertilizer rather than for soil testing. Ill. Agr. Col. Ext. H-342, 2 p., processed. 1943. 275.29 I162Ph

4485 SOMERS, L. A. Tools for the better home garden. Ill. Agr. Col. Ext. H-272, 8 p., processed. 1943. 275.29 I162Ph

Indiana - Purdue University, Agricultural Extension Service, La Fayette

4486 THE OUTLOOK for Indiana agriculture, 1944. Purdue Univ. Agr. Ext. Bul. 302, 31 p. 1943. 275.29 In2E

Iowa State College of Agriculture, Agricultural Extension Service, Ames

4487 CULBERTSON, C. C. The substitution of wheat for corn in the ration of growing and fattening pigs. Iowa State Col. Agr. Ext. AH-363, 2 p., processed. 1943. 275.29 Io9Ah

4488 McDONALD, C. W. Iowa 4-H western lamb feeding project: feeding record results, 1942-1943. Iowa State Col. Agr. Ext. AH-368, 5 p., processed. 1943. 275.29 Io9Ah

4489 OUTLINE notes for talk on good swine management brings home the bacon. Iowa State Col. Agr. Ext. AH-360, 4 p., processed. 1943. 275.29 Io9Ah

4490 PLAN for an Iowa program on "Meeting our war assignment of hogs." Iowa State Col. Agr. Ext. AH-357, 4 p., processed. 1943. 275.29 Io9Ah

4491 QUAlFE, E. L., and McDONALD, C. W. Good swine management brings home the bacon. Iowa State Col. Agr. Ext. AH-359, 6 p., processed. 1943. 275.29 Io9Ah

4492 QUAlFE, E. L., and CULBERTSON, C. C. War time feeding suggestions for swine. Iowa State Col. Agr. Ext. AH-365, 2 p., processed. 1943. 275.29 Io9Ah

4493 STOUDEr, K. W., and McDONALD, C. W. Parasites and filth borne diseases of hogs. Iowa State Col. Agr. Ext. AH-361, 4 p., processed. 1943. 275.29 Io9Ah

4494 SUGGESTED feeding plan: grain and chopped hay mixtures for baby beeves. Iowa State Col. Agr. Ext. AH-347, 1 p., processed. 1943. 275.29 Io9Ah

4495 WAR TIME protein supplements for swine. Iowa State Col. Agr. Ext. AH-341, 2 p., processed. 1943. 275.29 Io9Ah

4496 WARTIME rations for livestock: brief for county workers. Iowa State Col. Agr. Ext. AH-343, 5 p., processed. 1943. 275.29 Io9Ah

Maine University, College of Agriculture, Agricultural Extension Service, Orono

4497 McLAUGHLIN, G. A. The farmer and his income tax. Maine Agr. Col. Ext. Bul. 319, 14 p. 1943. 275.29 M281B

4498 APRONED soldiers on the home front war on waste. Maine Agr. Col. Ext. Cir. 186, 6 p. 1943. 275.29 M281C

Suggestions for saving food.

4499 CABBAGE, curly kale, rutabagas: basic foods for Maine. Maine Agr. Col. Ext. Cir. 187, 6 p. 1943. 275.29 M281C

4500 GREEN and yellow vegetables on the firing line. Maine Agr. Col. Ext. Cir. 188, 4 p. 1943. (Food Fights for Freedom Campaign 2) 275.29 M281C

Massachusetts State College, Extension Service, Amherst

4501 KLEIN, G. T. Poultry equipment. Mass. State Col. Ext. Leaflet 227, 12 p. 1943. 275.29 M381L

4502 PAGE, E. G. Accessories are easy to make. Mass. State Col. Ext. Leaflet 228, 16 p. 1943. 275.29 M381L

4503 MASSACHUSETTS farm outlook for 1944. 8 p. Mass. State Col. Ext. Farm Econ. Facts, 1943. 275.29 M381Fa

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

4504 MAY, C. O. Looking forward into 1944. Mich. State Col. Agr. Ext. Folder 65, 6 p. 1943. 275.29 M58Ex

Planning the farm program for 1944.

Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

4505 DANKERS, W. H. The Minnesota farm outlook for 1944. Minn. Univ. Agr. Ext. Pam. 130, 8 p. 1943. (1944 Food Production Program Ser.) 275.29 M66P

4506 FOR A BANNER crop grow Vicland, Tama: better oats. Minn. Univ. Agr. Ext. Pam. 129, 4 p. 1943. (1944 Food Production Program Ser.) 275.29 M66P

4507 HUNT, E. M. Growing strawberries in Minnesota. Minn. Univ. Agr. Ext. Spec. Bul. 72, rev., 20 p. 1943. 275.29 M66S

4508 PETERS, W. H., and MORRIS, W. E. Beef production. Minn. Univ. Agr. Ext. Spec. Bul. 146, rev., 24 p. 1943. 275.29 M66S

4509 DANKERS, W. H., and KOLLER, E. F. Creamery truck condition and operation in Martin County, Aug. 2-8, 1942. 2 p., processed. Minn. Univ. Agr. Ext., 1943. 275.2 M66Cr

4510 DOWELL, A. A., and BAUGHMAN, E. Commercial livestock and general trucks, condition and operation, Martin County, August 2-8, 1942. 3 p., processed. Minn. Univ. Agr. Ext., 1943. 275.2 M66Co

Mississippi State College, Extension Service, State College

4511 ANNUAL report of Mississippi Extension Service, 1942. Miss. State Col. Ext. Bul. 127, 119 p. 1943. 275.29 M68

4512 MONOSMITH, R. O. Grow a Victory garden. Miss. State Col. Ext. Cir. 120, 6 p. 1943. 275.29 M68C



4513 FOOD production and farm family living contests. Miss. State Col. Ext. Leaflet 49, 12 p. 1943. 275.29 M68Ex

4514 HINES, CHESLEY, and PACE, J. V. Harvesting, handling, grading and marketing Irish potatoes. Miss. State Col. Ext. Leaflet 52, 4 p. 1943. 275.29 M68Ex

4515 HINES, CHESLEY. Sweetpotatoes for home consumption and market. Miss. State Col. Ext. Leaflet 48, 8 p. 1943. 275.29 M68Ex

4516 MIDKIFF, OUIDA. Home dry cleaning. Miss State Col. Ext. Leaflet 45, 6 p. 1943. 275.29 M68Ex

4517 MIDKIFF, OUIDA. Home laundry. Miss. State Col. Ext. Leaflet 46, 10 p. 1943. 275.29 M68Ex

4518 MISSISSIPPI farm outlook, 1943. Miss. State Col. Ext. Leaflet 44, 8 p. 1943. 275.29 M68Ex

4519 NEWELL, P. F. Meat animal production for 1943. Miss. State Col. Ext. Leaflet 47, 6 p. 1943. 275.29 M68Ex

4520 PACE, J. V. Proper potato loading. Miss. State Col. Ext. Leaflet 51, 4 p. 1943. 275.29 M68Ex

4521 VICTORY farming - 1943. Miss. State Col. Ext. Leaflet 42, 8 p. 1943. 275.29 M68Ex

4522 WEEKS, J. M. Grow more legume hay for more livestock products with less labor and lower cost. Miss. State Col. Ext. Leaflet 43, 8 p. 1943. 275.29 M68Ex

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

4523 GROSS, D. L. Summary soy bean survey 1942 production. Nebr. Agr. Col. Ext. Agron. Inform. D-15, 4 p., processed. 1943. 275.29 N272Agr

4524 CLAYBAUGH, J. H. Practical poultry equipment. Nebr. Agr. Col. Ext. Cir. 1441, rev., 16 p. 1943. 275.29 N272Ex

4525 LIVINGSTON, J. E. Reduce black stem rust of wheat, oats, barley, rye. Nebr. Agr. Col. Ext. Cir. 1802, 12 p. 1943. 275.29 N272Ex

4526 MAXWELL, E. G. Measuring logs - piling and seasoning lumber. Nebr. Agr. Col. Ext. Cir. 1723, 8 p. 1943. 275.29 N272Ex

4527 SWINE rations. Nebr. Agr. Col. Ext. Cir. 246, 2 p., processed. 1943. 275.29 N272Ex

Oregon State College, Federal Cooperative Extension Service, Corvallis

4528 BOUQUET, A. G. B. Vegetable growing for 4-H club members. Oreg. State Col. Ext. Club Ser. D-12, 20 p. 1943. 275.29 Or32Bo

4529 4-H CLUB member's Victory Garden record book for victory. Oreg. State Col. Ext. Club Ser. D-13, 4 p. 1943. 275.29 Or32Bo

4530 EWALT, H. P., and JONES, I. R. Selecting, raising, and showing the dairy heifer. Oreg. State Col. Ext. Club Ser. H-18, 16 p. 1943. 275.29 Or32Bo

4531 COWGILL, HELEN. Canning vegetables, pickles, relishes. Oreg. State Col. Ext. Club Ser. J-26, 16 p. 1943. 275.29 Or32Bo

4532 COWGILL, H. J. Food preservation, canning instructions for all divisions. Oreg. State Col. Ext. Club Ser. J-27, 36 p. 1943. 275.29 Or32Bo

4533 4-H CLUB member's record book, canning project. Oreg. State Col. Ext. Club Ser. J-25, 10 p. 1943. 275.29 Or32Bo

4534 COWGILL, HELEN. Bachelor sewing. Oreg. State Col. Ext. Club Ser. L-70, 16 p. 1943. 275.29 Or32Bo

4535 COWGILL, HELEN. Stitches, seams, and sewing processes. Oreg. State Col. Ext. Club Ser. L-68, 48 p. 1943. 275.29 Or32Bo

4536 COWGILL, HELEN. The winter school or street costume, clothing project, fifth year. Oreg. State Col. Ext. Club Ser. L-69, 19 p. 1943. 275.29 Or32Bo

4537 COWGILL, HELEN. Home cookery project, division II. The luncheon or supper club. Oreg. State Col. Ext. Club Ser. M-41, 44 p. 1943. 275.29 Or32Bo

Pennsylvania State College, Agricultural Extension Service, State College

4538 HUFFINGTON, J. M. Fertilizing vegetable crops in Pennsylvania. 4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38F

4539 RUEF, J. U. Fertilizers recommended for fruit in Pennsylvania. 4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38Fe

4540 TEN AIDS to increase milk production. 4 p. Pa. State Col. Agr. Ext., 1943. 275.2 P38T

South Carolina, Clemson Agricultural College, Extension Service, Clemson

4541 HOUSEHOLD equipment, its care and simple repair. Clemson Agr. Col. S. C. Ext. Bul. 106, 36 p. 1943. 275.29 So8F

Also published as Ala. Polytech. Inst. Agr. Ext. Cir. 263. 1943. 275.29 A11C; Va. Agr. Col. Ext. Bul. 156. 1943. 275.29 V81B

South Dakota State College of Agriculture, Extension Service, Brookings

4542 ROCKWELL, F. I. Planting windbreaks to survive drought in South Dakota. S. Dak. State Col. Agr. Ext. Cir. 397, 7 p. 1943. 275.29 So85

4543 ANDERSON, G. E., and HOGUND, E. R. Gearing your farm to war. S. Dak. State Col. Agr. Ext. Leaflet 74, 6 p. 1943. 275.29 So85E

4544 BUCHHOLTZ, W. F. Mop up those vegetable diseases before you plant. S. Dak. State Col. Agr. Ext. Leaflet 76, 6 p. 1943. 275.29 So85E

4545 OUR HEALTH, the wealth we keep and share. S. Dak. State Col. Agr. Ext. Leaflet 72, 6 p. 1943. 275.29 So85E

4546 ROCKWELL, F. I. Be wise, plant a garden this spring. S. Dak. State Col. Agr. Ext. Leaflet 73, 6 p. 1943. 275.29 So85E

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

4547 AVAILABLE publications of the Vermont Agricultural Extension Service and the Vermont Agricultural Experiment Station. Vt. Agr. Col. Ext. Brieflet 688, 42 p. 1943. 275.29 V59E

4548 STOLLBERG, LOUISE. Home canning guide. Vt. Agr. Col. Ext. Brieflet 678, 12 p. 1943. 275.29 V59E

4549 THE AGRICULTURAL outlook for Kentucky, 1944 20 p., processed. Vt. Agr. Col. Ext., 1943. 275.29 K415A

Virginia Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

4550 HOUSEHOLD equipment, its care and simple repair. Va. Agr. Col. Ext. Bul. 156, 36 p. 1943. 275.29 V81B

Also published as Ala. Polytech. Inst. Agr. Ext. Cir. 263. 1943. 275.29 A11C; Clemson Agr. Col. S. C. Ext. Bul. 106. 1943. 275.29 So8F

4551 HUTCHESON, J. R. Food for victory: Virginia's 1944 goals and suggestions for meeting them. Va. Agr. Col. Ext. Bul. 157, 21 p. 1943. 275.29 V81B



Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 4552 BANG'S disease (contagious cattle abortion). Wis. Agr. Col. Ext. Cir. 260, Sup., 1 p., processed. 1943. 275.29 W75C
- 4553 DUFFEE, F. W., and BOHSTEDT, G. Hog feeder, large outdoor type. Wis. Agr. Col. Ext. Cir. 339, 16 p. 1943. 275.29 W75C
- 4554 ANNIN, G. E. Cull hens as soon as they stop laying. 1 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4555 ANNIN, G. E. Feed good hens and they will eat. 1 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4556 EBLING, W. H., BOHSTEDT, GUS, and HAYES, J. B. The feed situation - can we meet it? 2 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4557 ECONOMIC information for Wisconsin farmers. 4 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75Ec
- 4558 FEEDING the dairy herd in 1944. 6 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4559 HOW BETTER farming met war goals: the 1942 annual report of Extension Service. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4560 TRENK, F. B. Economic information for Wisconsin farmers. Forest products price supplement. 4 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75Ec
- 4561 THUOG, EMIL, and CHAPMAN, C. J. Use of fertilizers in 1944. 6 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4562 WHAT about Ladino clover for Wisconsin? 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 4563 FARGO, J. M., LACEY, JAMES, and BRUHN, H. D. Electric pig brooders. Wis. Agr. Col. Ext. Stencil Cir. 218, rev., 4 p., processed. 1943. 275.29 W75B

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 4564 ADRIANCE, R. I. Using the wealth of the world; a text in economics. 429 p. Boston, Little, 1943. 280 Ad8
- Reading suggestions included in teaching aids, p. 357-418.
- A high-school text, containing a section on farms and farming.
- 4565 AMERICAN RED CROSS. American Red Cross famine relief in China, 1920-1921. 25 p. N. Y., Russell Sage found., 1943. (Admin. of Relief Abroad) 280.184 R24
- Includes statement of costs.
- 4566 ANDERSON, BRUCE. The farmer seeks Jeffersonian democracy. 279 p. Baltimore, King bros., 1943. Ref., p. 269-272. 280.12 An24
- Chapters deal with land tenure, cooperatives, and community organization.

- 4567 ASSOCIATION OF SCIENTIFIC WORKERS. Planning of science; report of proceedings of the open conference held at Carlton Hall, Jan. 30th-31st, 1943. 127 p. London, 1943. 330.9 As7
- Partial contents: Scientific Workers in Agriculture, by G. F. Cockbill and L. B. Thrower, p. 61-63; and The Planning of Science in Agriculture, by E. M. Crook, p. 100-102.
- 4568 BARTON, J. L. The Near East relief, 1915-1930. 28 p. N. Y., Russell Sage found., 1943. (Admin. of Relief Abroad) 280.185 B28
- Includes food relief and resettlement.
- 4569 CANADA. BUREAU OF STATISTICS. Cost-of-living quiz; some common questions on the cost-of-living index. 7 p. Ottawa, 1943. 284.4 C163C
- Food prices included.
- 4570 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Cash income from the sale of farm products January to June 1941 to 1943. 6 p., processed. Ottawa, 1943. 284.9 C161
- 4571 CATHOLIC ASSOCIATION FOR INTERNATIONAL PEACE. POST-WAR WORLD COMMITTEE. Transition from war to peace. 47 p. Washington, 1943. 280 C283T
- Section on the post-war migration problem and resettlement.
- 4572 CENTRAL LANDOWNERS' ASSOCIATION. Post war rural reconstruction problems. 36 p. Henley-on-Thames, 1942. 281.171 C33
- Views of the Association on agriculture and land tenure, agricultural education, rural land utilization, land development rights, farm buildings, and agricultural unemployment insurance.
- 4573 CHAMP, F. P., and BROCK, J. F. Padlocking Western lands. Public domain issues raised by Jackson Hole monument case. 24 p. Washington, Chamber of com. of the U. S., 1943. 282.12 C35
- 4574 \*CHINA. DIRECTORATE OF STATISTICS. Chung-kuo t'u-ti sun-t'i chih t'ung-chi fen-hsi [An analysis of the statistics on China's land question]. 112 p. n. p., 1940.
- 4575 CLAY, W. C., JR. The 1943-44 farmer's tax manual. 72 p., processed. Garden City, N. Y., Doubleday, 1943. 284.5 C57
- 4576 CONGRESO NACIONAL DE LA COOPERACIÓN, 2a, MONTEVIDEO, 1942. Segundo Congreso Nacional de la Cooperación; antecedentes - debates - conclusiones. 142 p. Montevideo, Museo social uruguayo, Instituto de investigaciones, informes y acción sociales, Comisión de cooperación, 1943. 280.29 C765
- Includes agricultural cooperatives.
- 4577 CONOVER, H. F. Islands of the Pacific: a selected list of references. 181 p., processed. Washington, U. S. Libr. of Cong., 1943. 242.91 Un3Pa
- Contains a subject index through which material on agriculture and economics may be located.
- 4578 CONSERVATIVE AND UNIONIST PARTY ORGANISATION. "Looking ahead." Agricultural reconstruction. First interim report of the Sub-Committee on Agriculture. 67 p. London, 1943. 281.171 C76
- 4579 ESAREY, LOGAN. The Indiana home. 108 p. Crawfordsville, Ind., Banta, 1943. 138 Es1
- 4580 FISHER, H. H. The American Relief Administration in Russia, 1921-1923. 27 p. N. Y., Russell Sage found., 1943. (Admin. of Relief Abroad) 280.179 F53
- Discusses the child feeding program and distribution of corn.
- 4581 FORBES, J. VAN G. Recent relief programs of the American Friends in Spain and France; in Spain, by John Van Gelder Forbes; in France, by the American Friends Service Committee. 27 p. N. Y., Russell Sage found., 1943. (Admin. of Relief Abroad) 280.174 F74
- Includes discussion of the feeding program in Spain and village reconstruction in France.



- 4582 FOSTER, H. W., and BACON, E. V. *Wealth and welfare*. 174 p. London, Macmillan, 1943. Ref.. p. 169-170. 280.171 F81  
Post-war reconstruction of British colonies, with agriculture dealt with as the foundation of the economy. Detailed study is made of British Honduras.
- 4583 GALARZA, ERNESTO. *Labor trends and social welfare in Latin America, 1941 and 1942*. 153 p., processed. Washington, Pan Amer. union, Div. of labor and social inform., 1943. 150.9 L11  
Includes such topics as cost and standard of living, labor and wages in agriculture, popular restaurants, and land settlement in the various countries.
- 4584 GANGULEE, N. *The battle of the land; an account of the food production campaign in wartime Britain; foreword by Sir John Russell*. 136 p. London, Drummond, 1943. 281.171 G15  
Various aspects of the wartime agricultural program, including mechanization of farming, land reclamation, the contribution of small holdings and allotments to food production, labor and the Women's Land Army, and nutrition.
- 4585 GEORGIA. STATE AGRICULTURAL COUNCIL. *Georgia's agricultural councils; what they are and what they're doing*. 11 p. Atlanta, 194-? 281.019 G294  
Published under the auspices of the Georgia State Planning Board.
- 4586 GREAT BRITAIN. COUNCIL OF AGRICULTURE FOR ENGLAND. *Report on the principles and objectives of long-term agricultural policy*. 16 p. London, H. M. Stationery off., 1943. 281.171 G795  
Contains sections on production policy, management and use of the land, and rural life.
- 4587 GREAT BRITAIN. INTER-DEPARTMENTAL COMMITTEE ON SOCIAL INSURANCE AND ALLIED SERVICES. *Social insurance and allied services as portrayed in the report of Sir William Beveridge*. 76 p. London, Bale and Staples, 1943. (Staples "Reconstr." Digests, No. 2) 284.6 G791  
Includes the Agricultural Unemployment Insurance Scheme.
- 4588 HICKS, J. R. *The social framework, an introduction to economics*. 212 p. Oxford, Clarendon press, 1943. 280 H52  
Lists land as one of the factors of production.
- 4589 HOME MISSIONS COUNCIL. TOWN AND COUNTRY COMMITTEE. LAND TENURE COMMITTEE. *The people, the land, and the Church in the rural West*. 172 p., processed. Chicago, Farm foundation, 1943. 282.003 H75  
Federal Council of Churches and Farm Foundation cooperating.  
Contents: A Generalized Picture of Land Tenure, by Marshall Harris; Land Tenure in Relation to the Economic and Social Problems of the Western States, by W. R. Benedict; Is Farm Tenancy Necessary? by D. C. Mumford; The Development of Tenure Crises, by W. H. Smith; Some Historical Notes on the Development of Large-Scale Farming in California, by Varden Fuller; Land Settlement and Land Patterns in Utah, by W. P. Thomas; The People on the Land in Washington, by C. F. Reuss; The Mexican Agricultural Worker in Southern California, by Richard Ibanes; Our Japanese Hostages, by Carey McWilliams; Economic Distress and the Rise of the Holiness Sects, by Anton Boisen; Class Denominationalism in Rural California Churches, by W. R. Goldschmidt; Conditions Affecting the Rural Churches in Arizona, by E. D. Tetrum; Summary of Interviews, by P. L. Vogt; The Church and the Land, by A. E. Rapping; and The Rural Church as an Instrument of Social Democracy, by E. E. Wilson.
- 4590 ILLINOIS CROP IMPROVEMENT ASSOCIATION. *Preliminary list of soybeans eligible for certification, 1943 crop*. 4 p., processed. Urbana, 1943? 61.9 I16
- 4591 JONES, R. M. *The American Friends in France, 1917-1919; together with Problems involved in administering relief abroad*, by Clarence E. Pickett. 27 p. N. Y., Russell Sage found., 1943. (Admin. of Relief Abroad) 280.174 J72  
Includes agricultural reconstruction.
- 4592 KITCHEN, FRED. *The farming front*. 138 p. London, Dent, 1943. 281.171 K64  
Fictionalized account of life on a British farm, introducing girls of the Land Army.
- 4593 LABOR RESEARCH ASSOCIATION. *Labor and the war*. 208 p. N. Y., Internatl. pub., 1943. (Labor Fact Book 6) Ref. 283.9 L11  
Chapters on farmers and farm workers discuss farm prices, food price ceilings, farm income, and farm organizations and labor unions.
- 4594 McCABE, D. A., SHISHKIN, B. B., and WALSH, J. R. *Labor's views on American economic policies*. 38 p. New Wilmington, Pa., Econ. and business found., 1943. 280.12 M12  
Describes the influence of the Farm Bloc.
- 4595 MacLEAN y ESTENOS, ALEJANDRO. *Las cooperativas agrícolas en la sierra [Peru]*. 2 p., processed. n. p., 1942. 280.2 M22
- 4596 MENDIETA Y NUÑEZ, LUCIO. *El sistema agrario constitucional. Explicación e interpretación del artículo 27 de la constitución política de los Estados Unidos Mexicanos, en sus preceptos agrarios*. Ed. 2, 300 p. México, D. F., Porrúa, 1940. 282.14 M52
- 4597 MENDOZA, ARGENTINA. MINISTERIO DE ECONOMÍA, OBRAS PÚBLICAS Y RIEGO. INSTITUTO TÉCNICO DE INVESTIGACIONES Y ORIENTACIÓN ECONÓMICA DE LA PRODUCCIÓN. *Censo general de población y riqueza de Mendoza. Cultivos permanentes - 1942*. 251 p. Mendoza, Impr. ofic., 1943. 255.1 M523C
- 4598 MENESSES PALLARES, ARTURO. *Rehabilitación rural en los Estados Unidos; la obra de la Administración de Seguro Agrícola*. 19 p. Washington, Unión panamericana, Oficina de información obrera y social, 1943. 150.91 R26
- 4599 NATIONAL COUNCIL OF FARMER COOPERATIVES. *Food production, price control and inflation*. 7 p., processed. Washington, 1943. 389 N2135F
- 4600 OSBORN, F. J. *The land and planning; elements of the problems of compensation and betterment and land values. With an introduction by Lord Justice Scott*. 56 p. London, Faber, 1943. (Rebuilding Britain Ser. 7) 98.5 O51L
- 4601 PANAMA. CONTRALORIA GENERAL. OFICINA DEL CENSO. *Censo de población 1940. V. 1, Provincia del Darien*. 83 p. Panamá, Imprenta nacional, 1943. 254 P1932  
Includes the population engaged in agriculture.
- 4602 PLAN for Britain; a collection of essays prepared for the Fabian Society. 127 p. London, Routledge, 1943. 280.171 P692  
Plan for the land, by L. F. Easterbrook, p. 66-82.
- 4603 PUGET SOUND REGIONAL PLANNING COMMISSION. *Puget Sound region; war and post-war development*. 160 p. Washington, U. S. Govt. print. off., 1943. 173.2 W124 P6g  
Washington State Planning Council and National Resources Planning Board cooperating.  
Contains sections on agricultural and forest land use, on recreation in national forests, and on trade, including agricultural products.
- 4604 RALSTON PURINA COMPANY. *Progress report. Food for victory crusade*. 12 p. St. Louis, Purina mills, 1943. 281.12 R13  
The crusade involved helping farmers to manage so as to obtain the greatest possible food production for the feed used.



4605 RAWSON, D. S., and others. *The Big River survey. A comprehensive study of natural resources as an aid to improved utilization.* 37 p. Saskatoon, Univ. of Saskatchewan, 1943. 280.13 R19

E. C. Hope, J. Mitchell, and E. W. Tisdale, joint authors.

4606 SEN, K. N. *Economic reconstruction of India; a study in economic planning.* 500 p. Calcutta, Univ. of Calcutta, 1939. 280.182 Se5

Contains chapters on the agricultural plan, industries allied to agriculture, village industries, and agricultural finance.

4607 \*SKACHKOV, I. M. *Vosstanovlenie sel'skogo khoziaistva v osvobodzhennom raione. Mozhaiskii raion, Moskovskoi oblasti* [Reconstruction of the farm industry in the liberated district of Mozhaisk]. 29 p. Moskva, Sel'khozgiz, 1942.

4608 SOUTHERN STATES MARKETING COOPERATIVE. *What do you know about...Southern States Marketing Cooperative?* 14 p. [Richmond, 194-?] 280.29 Se82

4609 THOMPSON, W. S., and WHELFTON, P. K. *Estimates of future population of the United States, 1940-2000. Prepared...for the Committee on Population Problems of the National Resources Planning Board.* 137 p. Washington, U. S. Govt. print. off., 1943. 173.2 N214Es

4610 TOWN AND COUNTRY PLANNING ASSOCIATION. CONFERENCE, CAMBRIDGE, 1942. *Industry and rural life, being a summarized report of the Cambridge conference...* edited by H. Bryant Newbold. 182 p. London, Faber, 1942. Ref., p. 181-182. 281.29 T66

Partial contents: *Agricultural planning and policy* (with statements by G. M. Trevelyan, Sir A. D. Hall, and L. F. Easterbrook); *Requirements of decentralized industry* (with statements by Sir P. M. Stewart and Sargent Florence); *Social life in villages and small towns* (with statements by J. A. Rosevear, A. W. Ashby, and W. K. Slater); *Architecture and amenities* (with statements by Sir Montague Barlow and Patrick Abercrombie); *Rural land-ownership and planning* (with statements by W. H. Thompson, C. S. Orwin, Lord Brocket and E. P. Weller); *Design and development of new towns* (with statements by Eric Macfadyen, Thomas Sharp, and F. J. Osborn); *Memorandum to Lord Justice Scott's Committee on Land Utilization in Rural Areas.*

4611 UNION SUISSE DES PAYSANS. *Die einrichtung von dienstbotenwohnungen auf landwirtschaftsbetrieben.* 16 p. Brugg, 1940. 283 Un323

Have also French edition.

4612 UNION SUISSE DES PAYSANS. *Die verdienstausfallentschädigung für aktivdienstleistende selbständige landwirte; eine begleitung für die praktische anwendung der verdienstersatzordnung.* Ed. 2, 61 p. Brugg, 1940. 280.178 Un3

Describes the financial operating of this system of compensation for families of independent farmers who are in service.

4613 UNITED NATIONS INFORMATION OFFICE. SECTION FOR INFORMATION ON STUDIES IN POSTWAR RECONSTRUCTION. *Research and postwar planning. Bibliography, Pt. XI, p. 190-252, processed.* N. Y., 1943. 241.3 Un394

4614 UNITED NATIONS INFORMATION OFFICE. SECTION FOR INFORMATION ON STUDIES IN POSTWAR RECONSTRUCTION. *Research and postwar planning. Survey of agencies, Pt. XI, 43 p., processed.* N. Y., 1943. 225 Un35

4615 U. S. BUREAU OF THE CENSUS. *Sixteenth census of the United States: 1940. Population; V. 4, Characteristics by age, marital status, relationship, education, and citizenship. Pt. 1: United States summary.* 183 p., processed. Washington, U. S. Govt. print. off., 1943. 157.4 C162

Data for urban, rural nonfarm, and rural farm population.

4616 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. *Farm labor program, 1944; hearings... 78th Cong., 1st sess. on the appropriation for the farm labor program, calendar year 1944.* 306 p. Washington, 1943.

Contains statements and testimony on farm labor supply, use of foreign agricultural workers, women workers on farms, and the Women's Land Army.

4617 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. *First supplemental national defense appropriation bill for 1944; hearings... 78th Cong., 1st sess. on H. R. 3598.* 764 p. Washington, U. S. Govt. print. off., 1943. 148.7 Ap66

Contains statements and testimony regarding the Emergency Rubber Project, the Farm Security Administration, and the Federal Crop Insurance Act under the Department of Agriculture, and statements for other agencies on measures to produce crops in North Africa, housing for agricultural workers, the census of agriculture, farm labor, food production on reclamation projects, and Army post restaurants.

4618 U. S. CONGRESS. SENATE. SPECIAL COMMITTEE ON POST-WAR ECONOMIC POLICY AND PLANNING. *Post-war economic policy and planning. Hearings... 78th Cong., 1st sess. pursuant to S. Res. 102... Pt. 2. Cancellation of war contracts, disposition and sale of surplus property, and industrial demobilization and reconversion, Nos. 5, 9, 10, 19, 22, and 23, 1943.* p. 401-645. Washington, U. S. Govt. print. off., 1943.

Statement of C. R. Wickard, p. 601-606.

4619 U. S. NATIONAL RESOURCES PLANNING BOARD. *After the war 1918-1920. Military and economic demobilization of the United States. Its effect upon employment and income.* 45 p. Washington, U. S. Govt. print. off., 1943. 173.2 N214Am

4620 U. S. OFFICE OF PRICE ADMINISTRATION. *Inflation and inflation controls in Mexico.* 31 p., processed. Washington, 1943. 173.403 In32

Includes controls over food sales and lists food price indexes.

4621 U. S. OFFICE OF THE COORDINATOR OF INTER-AMERICAN AFFAIRS. *Mexico; next door neighbor.* 26 p. Washington, 1943. 173.3 In8M

Includes discussion of the land reform and the agricultural resources of Mexico.

4622 U. S. WAR MANPOWER COMMISSION. *List of essential activities.* 5 p., processed. Washington, 1943. 173.4 W193L1

Includes agriculture and agricultural services, food processing, and production of agricultural equipment.

4623 WARING, P. A., and TELLER, W. M. *Roots in the earth, the small farmer looks ahead.* Foreword by Louis Bromfield. 202 p. N. Y., Harper, 1943. 30 W232

Partial contents: *This book is written by farmers; Two Pennsylvania farms; We can have a permanent agriculture; Farming for the family; The small farmer goes to market; The conflict between big and little farmers; Why they fight over the Farm Security Administration; The small farmer looks at the U. S. Dept. of Agriculture; and The meaning of rural education.*

4624 WATKINS, R. J. *As Government plans for the future.* 10 p., processed. Memphis? 1943. 173.2 N214Wt

Touches upon the agricultural phase very briefly.

#### AGRICULTURAL ENGINEERING

4625 AIR CONDITIONING AND REFRIGERATING MACHINERY ASSOCIATION, INC. *Refrigeration and air conditioning... in war... in peace.* 32 p. Washington, 1943. 291 A172



- 4626 ARGENTINA. MINISTERIO DE AGRICULTURA. COMISIÓN DE CONSERVACIÓN DE CEREALES. Concurso de proyectos de depositos para almacenamiento de cereales a granel en chacra. 64 p. Buenos Aires, 1942. 280.359 Ar35  
Plans submitted for the construction of silos.
- 4627 INDUSTRIAL PUBLICATIONS, INC. Farming, the Nation's biggest industry now and after the war; prepared especially for the building industry. 8 p., processed. Chicago, 1943. 296 In2  
The farm-building market today and after the war.
- 4628 LONDON AND COUNTIES COKE ASSOCIATION. Combine harvesting and grain drying. 64 p. London, 1942. (Mod. Agr. Equip. Ser. 1) 58 L842
- 4629 MOSCOW. VSESOUZNIY NAUCHNO-ISSEDOVATEL' SKII INSTITUT SEL'SKOKHOZIAISTVENNOGO MACHINOSTROENIYA. Raboty po teorii, raschetu i proizvodstvu sel'skokhoziaistvennykh mashin [Works on theory, costs, and production of agricultural machinery]. 347 p. Moskva, 1940. 291 M852
- 4630 RIOUX, ALBERT. L'électrification rurale du Québec. 138 p. Sherbrooke, P. Q., "Le Messager St-Michel," 1942. 335 R48  
Thesis—L'Université Laval.
- 4631 WHYTE, SIR WILLIAM. Scotland's housing and planning problems. 31 p. London, Dent, 1942. (Design for Britain, 2d ser.) 296.2 W62  
Includes rural housing conditions.
- AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS
- 4632 AHMAD, NAZIR. Technological research on cotton in India, being an account of the work done at the Indian Central Cotton Committee Technological Laboratory, 1924-1941. Ed. 2, 182 p. Bombay, British India press, 1942. 72.9 I2332Co
- 4633 AMERICAN CAN COMPANY. The canned food reference manual. Ed. 2, 552 p. N. Y., 1943. 389.3 Am33C
- 4634 \*BAKANOV, N. A. Proizvodstvo krakmal'nogo sago na predpriyatiyakh raionnoy promyshlennosti [Production of starch sago from potatoes in regional factories]. 30 p. Moskva, Pishchepromizdat, 1943.
- 4635 BEACON MILLING COMPANY, INC., CAYUGA, N. Y. Beacon egg quality merchandiser. 12 p. Cayuga, N. Y., 194-? 280.347 B35  
Discusses methods of obtaining high quality eggs, including testing and grading.
- 4636 BRAZIL. DEPARTAMENTO NACIONAL DO CAFÉ. Brazil coffee in 1942; report...to the Advisory Council...by its president, J. F. Guedes. 84 p. Rio de Janeiro, 1943. 68.29 B73  
Fifth annual report, dealing with coffee policy, exports, and prices.
- 4637 BROWN, A. C. Food selection - price and quality. 98 p., processed. Minneapolis, Burgess, 1943. (Consum. Interests Ser.) 389 B81
- 4638 BUTLER, G. G. Changes in feed crop acreages - 14 States; a study of the acreage of hay and other feed crops as they have been affected by the drouths of the thirties, the recent Government programs, and changes in livestock numbers. 55, xxv p., processed. Madison, Wis., 1943. 60.1 B97
- 4639 CALIFORNIA. DEPT. OF AGRICULTURE. Circular of general information for those concerned with the movement of agricultural seed, vegetable seed and any other article infested with weed pests, into and within the State of California, effective November 1, 1943. 5 p., processed. Sacramento, 1943. 61 C12
- 4640 CAMPBELL, M. E. High density cotton in American mills. 16 p., processed. N. Y., Textile res. inst., 1943. 304 T319H  
Contains information on the spinning quality of high-density cotton, and the causes and importance of cutting in compressed bales.
- 4641 CUBA ECONOMICA Y FINANCIERA. Anuario azucarero de Cuba (Cuba sugar year book) 1943. 148 p. Habana, 1943. 281.3659 C89  
Historical data, statistics, and directory of the Cuban sugar industry. Includes signed articles listed elsewhere in this bibliography.
- 4642 DAYTON RUBBER MANUFACTURING CO., DAYTON, OHIO. Towers of triumph. 44 p. Dayton, 1943. 305 D33  
Story of synthetic rubber.
- 4643 DESCH, C. H. Substitute materials in war and peace. 28 p. London, Roy. inst. internatl. aff., 1943. 280 D45  
Includes substitutes for rubber, plastics, and other organic materials.
- 4644 DUBOIS, J. H. Plastics; a simplified presentation of the manufacture and use of the important plastics materials and products with tables of their properties and the basic design information required by engineers and designers. Rev. ed., 435 p. Chicago, Amer. tech. soc., 1943. 309 D852  
Includes soybean and casein plastics, casein manufacture, rubber processing, and synthetic rubber.
- 4645 EAST AFRICAN AGRICULTURAL RESEARCH STATION, AMANI, TANGANYIKA TERRITORY. List of food crop varieties available for distribution. Ed. 3, 12 p. Nairobi, Kenya, 1943. 452.8 Ea7
- 4646 FLORIDA FRUIT DIGEST COMPANY. The Florida fruit and vegetable directory, 1943/44. 226 p. Jacksonville, Fla., 1943. 225 F662
- 4647 GRAIN AND FEED DEALERS NATIONAL ASSOCIATION. Who is who in grain and feed. Official directory for Dec. 1943. 22 p. St. Louis, 1943. 225 W62A
- 4648 "GUTSEVICH, A. IA. Uborka, khranenie i suшка ovoshchei [The harvesting, preservation and drying of vegetables]. 30 p. Moskva, O. Sel'khozgiz, 1943.
- 4649 HALLIDAY, I. G. Durban's food supplies; a detailed study of the marketing, distribution and consumption of certain farm products in Durban. 158 p., processed. Durban, Natal univ. col., Dept. of econ., 1942. 389 H152  
Thesis (Ph. D.)--Univ. of South Africa.
- 4650 \*IOFAN, A. I. Proizvodstvo sakharosoderzhashchikh siropov [Production of sugar sirups]. 31 p. Moskva, Pishchepromizdat, 1942.  
Describes the processes of manufacture of sirups from sugar beets, grapes, squash, sorghum, maple sap, and raisins.
- 4651 JAMIESON, G. S. Vegetable fats and oils; their chemistry, production, and utilization for edible, medicinal and technical purposes. Ed. 2, 508 p. N. Y., Reinhold, 1943. (Amer. Chem. Soc. Monog. Ser. 58) 307 J24
- 4652 KERR GLASS MANUFACTURING CORPORATION. Kerr home canning book. Natl. Nutr. Ed., 56 p. Sand Springs, Okla., 1943. 389.3 K46
- 4653 KOZARENKO, Y. S. Khimichni konservanti i metodika vismachenniya ikh v kharchovikh produktakh [Chemical preservatives and the methods of applying them to food products]. 112 p. Kiev, Akademiya nauk, 1939. 389.3 K79
- 4654 LEADERMAN, HERBERT. Elastic and creep properties of filamentous materials and other high polymers. 278 p., processed. Washington, Textile found., 1943. 386 L46  
Experimental data on the properties of single filaments of silk, viscose and acetate rayons, and of nylon.
- 4655 LIVESTOCK AND MEAT COUNCIL. That our boys shall have meat. 30 p. n. p., 1943. 50 L752T  
Functioning of the Meat Management Plan.
- 4656 MOLLIN, F. E. Meat production. Four years of record supply. Next year - ? 9 p. Denver, Amer. natl. live stock assoc., 1943. 50 Am32M



4657 \*MOSCOW. VSESOIÜZNYĖ NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KAUCHUKONOSOV. Agrotekhnika kok-sagyzs [The agrotechny of kok-sagyzs]. Ed. 3, 71 p. Moskva, Ogliz, 1943.

4658 \*MOSOLOV, V. P. Osnovy agrotekhniki [Fundamentals of agrotechny]. 159 p. Moskva, Ogliz-Sel'khozgiz, 1943.

4659 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. A report on margarine. 21 p., processed. Washington, 1943. Ref., p. 20-21. 44 N2172

4660 POWERS, P. O. Synthetic resins and rubbers. 296 p. N. Y., Wiley, 1943. 305 P87  
Includes rubber processing.

4661 RADLEY, J. A. Starch and its derivatives. Ed. 2, rev., 558 p. London, Chapman, 1943. 309 R112

Includes sections on the manufacture of starch and starch products, their industrial application, and their examination and analysis.

4662 \*BAEVSKIĖ, N. I. Sbor i pererabotka dikorastushchikh: zeleni, plodov, liagod i gribov [Gathering and preparation of wild plants, weeds, fruits, berries and mushrooms]. 62 p. Sel'khozgiz, 1943.

4663 \*SILIN, P. M. Fiziko-khimicheskie osnovy sakharogo proizvodstva [Physico-chemical principles of sugar production]. 292 p. Moskva, Pishcheppromizdat, 1941.

Discusses the chemistry of the sugar beet and the physico-chemical stages of the sugar production process.

4664 STEWART, LESLIE. Protection and salvage of foods in wartime (including decontamination of gassed foods); a manual of procedure for the protection, storage and salvage of foodstuffs in warehouses, shops, and domestic larders. 63 p. London, Jordan, 1942. 389 St43

4665 STUART, G. H. Latin America and the United States. Ed. 4, thoroughly rev., 509 p. N. Y., Appleton-Century, 1943. 280.16 St9

References at end of chapters.

Brief scattered references to agricultural products, including Brazil's coffee problem.

4666 SUGAR reference book and directory, volume 12, 1943, E. W. Mayo, editor. 144 p. N. Y., Sugar, 1943. 65.8 Su324

Contains a review of sugar agriculture and technology in 1942-43 by O. W. Willcox, statistics of world production and consumption, a digest of the United States Sugar Act of 1937, statistics of the United States sugar industry, and a world directory of factories.

4667 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Utilization of farm crops. Industrial alcohol and synthetic rubber. Hearings... 78th Cong., 1st sess. on S. Res. 80 (78th Cong.) (Extending S. Res. 224-77th Cong.)... Pt. 7, p. 1835-2134, Sept. 29, Oct. 7, 14, 21, Nov. 3, 10, Dec. 2 and 9, 1943. Washington, U. S. Govt. print. off., 1943.

4668 U. S. OFFICE OF PRICE ADMINISTRATION. Control of prices, rents, and rationing in Costa Rica. 12 p., processed. Washington, 1942. 173.403 C82

Includes food price and rationing control. Contains charts showing the administrative organization of price control and rationing.

4669 U. S. OFFICE OF PRICE ADMINISTRATION. Fact sheet; information on the rationing of evaporated and condensed milk. 3 p., processed. Washington, 1943. 173.403 F112M

U. S. Dept. of Agriculture and U. S. Office of War Information cooperating.

4670 U. S. OFFICE OF PRICE ADMINISTRATION. Fact sheet; information on the rationing of sugar for home canning. 4 p., processed. Washington, 1943. 173.403 F112S

U. S. Dept. of Agriculture and U. S. Office of War Information cooperating.

4671 U. S. OFFICE OF PRICE ADMINISTRATION. Haiti; price control and rationing. 10 p., processed. Washington, 1942. 173.403 H12

Discusses price control of agricultural products and the cost of living.

4672 U. S. OFFICE OF PRICE ADMINISTRATION. Paraguay; a study of price control, cost-of-living and rationing. 40 p., processed. Washington, 1943. 173.403 P21

Includes agricultural products. The agricultural development program is discussed, p. 15-24.

4673 U. S. OFFICE OF PRICE ADMINISTRATION. Price and rationing control in Bolivia. 9, 7 p., processed. Washington, 1942. 173.403 P935

Includes price control of food products and prices of foodstuffs.

4674 U. S. OFFICE OF PRICE ADMINISTRATION. Price control, prices, cost of living, rationing; Brazil. 71 p., processed. Washington, 1943. 173.403 P936

Includes price control of food products and the cost of living index.

4675 U. S. OFFICE OF PRICE ADMINISTRATION. Republic of Panama; price control and rationing. 17 p., processed. Washington, 1942. 173.403 P19

Traces development of price control of foods and notes food prices.

4676 U. S. OFFICE OF PRICE ADMINISTRATION. OFFICE OF EXPORT-IMPORT PRICE CONTROL. Second revised maximum export price regulation. 18 p. Washington, U. S. Govt. print. off., 1943. 173.403 M452E

4677 WOOLMAN, M. S., and MCGOWAN, E. B. Textiles; a handbook for the student and the consumer. Ed. 3, 388 p. N. Y., Macmillan, 1943. Ref., p. 535-542. 304 W88T

Contains discussion of fibers, including cotton, wool, silk, flax, and minor fibers. Artificial fibers taken up include aralac and soybean fiber.

4678 ZIEGLER, P. T. The meat we eat. 576 p. Danville, Ill., Interstate, 1943. 389 Z6

Ref. at end of most chapters.

Livestock slaughtering; meat cuts and cutting; inspection, grading, and preservation of meat; preparation of meat, lard, and sausage; curing and tanning of hides and pelts.

#### ANIMAL INDUSTRY

4679 ARAGÓN LEIVA, PABLO. Cartilla de avicultura. Ed. 3, 447 p. México, D. F., Trusco, 1943. 47 Ar1

4680 CHAPMAN, P. W. Chicken raising made easy. 152 p. N. Y., Macmillan, 1943. 47 C362

4681 DELGADO GUERRERO, L. G. Forrajes mexicanos; análisis químico y valor alimenticio. Ed. 3, 40 p., processed. México, D. F., Secretaría de agricultura y fomento. Instituto pecuario. Sección de bromatología, 1942. 389.7 M57

4682 EWING, P. V., ed. The golden hoof; a practical sheep book written by the leading sheep authorities of America for the benefit of those engaged in the sheep industry. 256 p. Chicago, Breeder pubs., 1945. 45 Ew5

Practically same content as 1936 ed. except for insertion of chapter on Border collies, p. 159-164.

4683 \*GANIMEDOV, L. A. Chastnaja khirurgiya domashnikh zhivotnykh [Sectional surgery on domestic animals]. 351 p. Moskva, Sel'khozgiz, 1943.

4684 KIĖTKIN, P. F. Kozovodstvo Uzbekistana i puti ego uluchsheniia [Goat-breeding in Uzbekistan and ways of improving it]. 80 p. Tashkent, Gosudarstvennoe sel'skokhoziaistvennoe izd., 1940. 40.1 K55



- 4685 KING WILSON, W. A manual of the rabbitry. 68 p. London, Crowther, 194-? 40.2 K58
- 4686 \*MIKHIN, N. A., PETROV, A. M., and KOTLIAR, K. A. Bolezni molodnitsa sel'skokhoziaistvennykh zhivotnykh [Diseases of young farm animals]. 144 p. Moskva, "Sel'khozgiz," 1943.
- 4687 NEWMAN, P. E. Dairy goat feeding and management. Ed. 3, 16 p. Cayuga, N. Y., Beacon milling co., 1943. 40.1 B35
- 4688 POULTRY ASSOCIATION OF GREAT BRITAIN (SPBA) LTD. Bulletin. 39 p. [n. p.], 1942? 47 G85  
Contents: Some aspects of poultry research at [University of] Edinburgh, by A. W. Greenwood, p. 6-18; Poultry farmers and the new income tax proposal, by J. R. Harvey, p. 20-35.
- 4689 SEREBRIAKOV, P. N. Sovremennye dannye po fiziologii pishchevarenia s.-kh. zhivotnykh [Contemporary data on the physiology of the digestion of farm animals]. 72 p. Moskva, Sel'khozvito, 1940. Ref., p. 71-72. 444 Se62
- 4690 U. S. DEPT. OF THE INTERIOR. GRAZING SERVICE. This is your America. 8 p., processed. Washington, 1943. 156.43 T34  
Concerning the grazing regions of the Northwest.
- 4691 ZAKHAR'EV, N. I. Kormlenie molochnykh korov pri ispol'zovanii pastbishch po kombinirovannoi sisteme [The feeding of milk cows by using pastures according to the rotational system]. 85 p. Frunze, Kirgizskoe gosudarstvennoe izd., 1939. Ref., p. 84-85. 389.7 Z15
- ENTOMOLOGY
- 4692 BEESON, C. F. C. The ecology and control of the forest insects of India and the neighbouring countries. 1007 p. Dehra Dun, India, The author, 1941. 423 B392
- 4693 BELANOV'S'KIĬ, I. D. Parazitŭ gessens'koi mukhi i ikh rol' u regulirovani chisel'nosti mukhi v 1937-1938 rr. [Parasites of the hessian fly (Phytophaga destructor) and their part in controlling the abundance of the fly in the years of 1937-1938]. 86 p. Kifv, Akademika nauk URSS, 1940. 423 B41  
Cynipoidea; Proctotrypoidea; and Chalcidoidea.
- 4694 BOSQ, J. M. Segunda lista de coleópteros de la República Argentina, dañinos a la agricultura. 80 p. Buenos Aires? 1943. 427 B65
- 4695 EVANS, J. W. Insect pests and their control. 178 p. Hobart, Tasmania. Dept. of agr., 1943. 423 T182
- 4696 \*KOVALEV, A. M. Podgotovka pchel k zimovke i zimniĭ ukhod za nimi [Preparing bees for the winter and their care]. 15 p. Moskva, Ogiz, 1942.
- 4697 MEIER, N. F. Trikhogramma (ecologiya i rezul'taty primeneniya v bor'be s vrednymi nasekomyimi) [The Trichogramma (ecology and the results of its application in the control of injurious insects)]. 175 p. Moskva, Ogiz Sel'khozgiz, 1941. Ref., p. 171-174. 426 M472
- 4698 NICOL, HUGH. Biological control of insects. 174 p. Harmondsworth, England, Penguin books, 1943. 423 N54
- 4699 OBERTHUR, CHARLES. Etudes d'entomologie. Faunes entomologiques, descriptions d'insectes nouveaux ou peu connus. 21 livr. in 10 v. Rennes, Oberthur [1876-1902]. 430 Ob2E  
Contains colored plates. Deals entirely with Lepidoptera.
- 4700 PIERCE, F. N. The genitalia of the group Noctuidae [i. e. Phalaenidae], of the Lepidoptera of the British Islands. An account of the morphology of the female reproductive organs. 64 p. Oundle, Northants, 1942. 430 P610n
- 4701 SVENSSON, R. A handbook of malaria control. 58 p. N. Y., Shell group of oil cos., 1943. 428 Sv2
- 4702 TASHKENT. STANTSIIA ZASHCHITY RASTENIĬ. Resul'taty raboty Stazra Soĭuzhikhi po izucheniu vreditelei i boleznei khlopchatnika i lŭtserny za 1939 g. [Results of the work of Stazra Souiznikhi (Institute for cotton research. Station for the protection of plants) on the pests and diseases of the cotton plant and alfalfa]. 69 p. Tashkent, Soĭuznikhi, 1941. 464.04 T18
- 4703 U. S. WAR DEPT. This is Ann [Anopheles]. [32] p. Washington, U.S. Govt. print. off., 1943. 152.1 T34  
Reprinted in Hygeia [Chicago], 21: 790-793. Nov. 1943. 449.8 H993; credited to Munro Leaf.
- FOOD AND HUMAN NUTRITION
- 4704 CATHOLIC ASSOCIATION FOR INTERNATIONAL PEACE. POST-WAR WORLD COMMITTEE. A peace agenda for the United Nations. 40 p. Washington, 1943. 280 C283  
App. D is Official Summary of the Food Conference of 44 Nations.
- 4705 CHANEY, M. S., and AELBORN, MARGARET. Nutrition. Ed. 3, 436 p. Boston, Houghton, 1943. 389.1 C362  
Ref. at ends of chapters.
- 4706 CONFERENCE ON THE NUTRITIONAL RECONSTRUCTION OF POLAND, 1ST, NEW YORK, 1943. Proceedings... Apr. 16th, 1943. 67 p. N. Y., Polish inst. of arts and sci. in Amer., 1943. 389.9 C767  
Partial contents: Introduction to problems of nutritional reconstruction in Poland, by M. S. Gutowska, p. 5-10; International aspects of postwar food and nutrition policy, by F. G. Boudreau, p. 12-14; Problems of postwar food distribution, by J. D. Black, p. 15-23; The role of biochemistry in nutrition, by C. G. King, p. 24-27; Foods for emergency feeding in Poland, by F. F. Tisdall, p. 28-31; Professional education in nutrition, by Grace MacLeod, p. 32-33; Practical problems in teaching nutrition, by C. M. Taylor, p. 34-37; Popular nutrition education, by H. S. Mitchell, p. 38-42.
- 4707 CHUESS, W. V. The nutritive value of dried fruits and vegetables. 14 p. N. Y., Avi, 1943. 389.1 C88  
Reprinted from Fruit Prod. Jour. 22: 69-72, 91, 111-114, 136-137, 171-174, 181. Nov., Dec. 1942; Jan., Feb. 1943. 389.8 F94
- 4708 DINSMORE, ANGELINE, and FRANCIS, J. D. The Wilsons solve the milk problem; a unit of twenty-one lessons for foreign-born women and girls in intermediate English classes, parent education and family life classes. 55 p. Chicago, Evaporated milk assoc., 1943. 389.1 D61  
Prepared for the State Teaching Materials Committee of the California State Department of Education.  
The lessons deal mostly with the nutritive value and uses of evaporated milk.
- 4709 FRANCIS, C. A., and MORSE, E. C. Fundamentals of chemistry and applications; chosen from inorganic, organic, and biochemistry, with applications in everyday concerns and in the applied sciences, including physiology, cookery, bacteriology, and materia medica. Ed. 2, 537 p. N. Y., Macmillan 1943. 386 F842
- 4710 GRAUBARD, MARK. Man's food, its rhyme or reason. 213 p. N. Y., Macmillan, 1943. 389.1 G77M  
Man's attitude toward food throughout history, before and during the evolution of the science of nutrition.



4711 HARRELL, R. F. Effect of added thiamine on learning. 55 p. N. Y., Columbia Univ., Teachers col., 1943. (Contrib. to Ed. 877) 386.3 H23

A controlled human experiment to determine the effect of thiamine (vitamin B<sub>1</sub>) intake upon learning ability.

4712 HEATH, AMBROSE. Simple American dishes in English measures. 80 p. London, Faber, 1943. 389.25 H3528

4713 MITCHELL, H. S. Planning foods for foreign relief. 7 p., processed. Washington, U. S. Off. of foreign relief and rehabil. oper., 1943? 150.1 F76

A table gives a basic relief ration.

4714 \*MOSCOW. NAUCHNO-ISSLEDOVATEL'SKIY INSTITUT TORGOVLI I OBSHCHESTVENNOGO PITANIYA. Bliuda iz dikorastushchei zeleni [Dishes from wild plants]. 29 p. Moskva, Gostorgizdat, 1943.

4715 REILLY, JOSEPH. Milk and milk products, the vital foodstuffs. 90 p. Cork, Forum press, 1942. 389.1 R27

Deals with the nutritive value of milk and other dairy products and emphasizes the need for a more equitable distribution.

4716 SUAREZ, P. A. Contribución al estudio de la alimentación y nutrición del Indio de Otavalo; ensayo de estudio práctico de higiene. 60 p. Quito, Imp. de la universidad, 1943. 389.1 Sul

4717 SWEETMAN, M. D. Food selection and preparation. Ed. 3, 512 p. N. Y., Wiley, 1943. 389 Sw32

References at end of chapters.

4718 TEMPORARY FOOD INDUSTRIES COMMITTEE, NEW YORK CITY. Minutes of meetings Jan. 14, and Feb. 16, 1943. 11, 25 p., processed. N. Y., 1943. 389.9 T24

#### FORESTRY

4719 CANADA. BUREAU OF STATISTICS. FORESTRY BRANCH. Wood-using industries in Canada. 30 p. Ottawa, 1943. 99.77 C16

In English and French.

4720 HANSEN, H. J. Modern timber design. 232 p. N. Y., Wiley, 1943. 99.76 H19

4721 NORTHEASTERN LUMBER MANUFACTURERS ASSOCIATION, INC. Standard grading rules for northern white pine (*Pinus strobus* - northeastern type) and Norway pine (*Pinus resinosa* - northeastern type). 20 p. N. Y., 1943. 99.76 N816S

4722 PRINCE, J. B., and FELLOWS, E. S. Cost of sawing eastern spruce lumber. 4 p., processed. Ottawa, Canada, Forest serv., Forest prod. lab., 1943. 99.76 C1632C

4723 SOUTH CAROLINA. COMMITTEE INVESTIGATING THE PULP AND PAPER INDUSTRY OF SOUTH CAROLINA. The South Carolina pulp and paper industry. 40 p. Columbia, 1943. 302 So82

4724 SOUTHERN CYPRESS MANUFACTURERS' ASSOCIATION. Standard specifications for grades of tidewater red cypress; structural stress grades; grade marks and rates of charges for inspection and reinspection service. Effective January 1, 1941, amended July 14, 1943. 64 p. Jacksonville, Fla., 1943. 99.76 So8Sta

4725 TIMBER DEVELOPMENT ASSOCIATION, LTD., LONDON. Interim notes on chemical seasoning of timber. 15 p. London, 1943. 300 T48

4726 WAHNSCHAFTE, ADOLFO. Carvão vegetal. Descrição da construção do forno padronizado de tijolos, modelo "A" para a destilação a seco de matérias lenhosas. 12 p., processed. São Paulo, 1942. 301 W12

4727 WAHNSCHAFTE, ADOLFO. Carvão vegetal; instruções para a destilação a seco no forno padronizado de tijolos, Modelo "A." 18 p., processed. São Paulo, 1942. 301 W12C1

#### PLANT SCIENCE

4728 AKADEMIIA NAUK. INSTITUT FIZIOLOGII RASTENII IMENI K. A. TIMIRIAZEVA. Sbornik rabot po fiziologii rastenii [A collection of works on the physiology of plants]. 358 p. Moskva, Akademiia nauk, 1941. 463.3 Akl

Ref. at ends of chapters.

4729 \*AKADEMIYA NAUK. TADZHIKSKAYA BAZA. Botanika. Restitel'nost' Tadzhikistana i ee osvoenie (La végétation de Tadjikistan et son utilisation). 633 p. Moskva, Akademiia nauk, 1940. (Its Trudy, v. 8)

Contributions by various authors.

English summaries.

4730 BRAUN, E. L. An annotated catalog of spermatophytes of Kentucky. 161 p., processed. Cincinnati, The author, 1943. Ref., p. 158-160. 455.26 B73

4731 DUQUE JARAMILLO, J. M. Botánica general colombiana, aplicada a la agricultura y las industrias. 400 p. Manizales, Imprenta del departamento, 1943. 457.5 D92

4732 ERDTMAN, G. An introduction to pollen analysis. 239 p. Waltham, Mass., Chronica botanica, 1943. (New Ser. of Plant Sci. Books, V. 12) 402.1 Er2

4733 IBARRA, D. S. El cocotero. 182 p. México, D. F., Trucco, 1943. 77 Ib1

4734 KÖLREUTER, J. G. Uchenie o pole i gibridizatsii rastenii; s prilozheniem stat'i Rudol'fa ĭako-ba Kamerariusa "O pole u rastenii"; pod redaktsiei i s biograficheskim ocherkom prof. E. V. Vul'f [A study on sex and hybridization of plants; with an additional article of Rudolph Jacob Kamerarius "On sex in plants"; under the editorship and with a biographical sketch by E. V. Vul'f]. 245 p. Moskva, Ogiz-Sel'khozgiz, 1940. 463.62 KB3

4735 \*KOMAROV, V. L. Proiskhozhdenie rastenii [The origin of plants]. Ed. 7, 179 p. Moskva, Akademiia nauk, 1943.

Paleobotany.

4736 \*LIFUBICH, V. S. Podzimniĭ posev kok-sagyz [Late autumn sowing of kok-saghyz]. 6 p. Moskva, Ogiz, 1943.

4737 LUCAS, J. M. First the flower, then the fruit. 72 p. Phila., Lippincott, 1943. 93.05 L96F

4738 LUCKWILL, L. O. The genus *Lycopersicon*; an historical, biological, and taxonomic survey of the wild and cultivated tomatoes. 44 p. Aberdeen, Univ. press, 1943. Ref., p. 43-44. (Aberdeen Univ. Studies 120) 452.3 L692

4739 MACSELF, A. J. The fruit garden. Ed. and rev. by G. B. Whitehead. 158 p. London, Eyre, 1943. 93.24 M24

4740 MICHURIN, I. V. I. V. Michurin sochinenia [Works of I. V. Michurin]. 2 vols. Moskva, Ogiz, Sel'khozgiz, 1940, 1941. 93.28 M58S

V. 2, Pomological descriptions; v. 4, Collected works.

4741 [NEARING, G. G.] The lichen book. 304 p. (Introduction; Division A, group 1-Division B, group 12) Ridgewood, N. J., The author, 1943. 461.5 N27

4742 NEW YORK (CITY) BOTANICAL GARDEN. Catalog of hardy trees and shrubs. A list of the woody plants in cultivation outdoors at the New York Botanical Garden in 1942, with notes, a map, and twenty illustrations. 127 p. N. Y., 1943. 452.5 N48



4743 \*PAVLOV, N. V. Dikie poleznye i tekhnicheskie rasteniia SSSR [Wild, useful, and technical plants of USSR]. 640 p. Moskva, "Iskra revoliutsii," 1942.

At head of title: Kazakhskii gosudarstvennyi universitet im S. M. Kirova i Kazakhskii filial akademii nauk SSSR.

4744 PORTUGAL. MINISTERIO DA ECONOMIA. DIRECCAO GERAL DOS SERVICOS AGRICOLAS. O linho em Portugal; subsídios para o fomento da sua cultura. 292 p. Lisboa, Serviço editorial da repartição de estudos, informação e propaganda, 1943. 73.1 P83

4745 RAKITIN, I. V. Prakticheskoe rukovodstvo po uskorennoi sozrevaniiu plodov [A practical textbook on the acceleration of fruit ripening]. Ed. 2, rev. and enlarged, 91 p. Moskva, Akademiia nauk, 1942. 93.6 R13

4746 SACHS, M. H. Adjustments in Palestine horticulture with special reference to citriculture. 31 p. Jerusalem, Palestine econ. soc., 1942. 93.33 Sal

4747 \*SLOBODCHIKOV, D. D. Bor'ba s poteriami zernovykh na uborke [Control of grain losses during harvesting]. 14 p. Moskva, Sel'khozgiz, 1943.

4748 SOVESHCHANIIA PO VIRUSNYM BOLEZNIAM RASTENII, MOSCOW, 1940. Virussye bolezni rastenii i mery bor'by s nimi [Plant virus diseases and their control]. 340 p. Moskva, Akademiia nauk, 1941. 464.32 So8

Transactions of the Conference on Plant Virus Diseases, Moscow, 4-7/II 1940.

Includes studies with cereals, cotton, tobacco, tomato, and potato, described in contributions by various authors.

4749 SPIVACK, M. J. Encyclopedia of applied plant sociology. Bayonne, N. J., The author, 1943. 1944. 463.8 Sp4

Art. 2. Green seed-beds, towards a more natural basis for agriculture. 10 p.

V. 1. The associative principle. pt. 1, 44 p. Blueprinted.

4750 TARASENKO, G. G. Iablonia [The apple tree]. 174 p. Moskva, Sel'khozgiz, 1941. Ref., p. 173-174. 93.31 T17

4751 WHITEHEAD, S. B. Brush up your gardening. 118 p. London, Dent, 1943. 90.1 W58

#### SOILS AND FERTILIZERS

4752 ESPINOSA V., ENRIQUE. Principales características físicas de los suelos. 58 p. Cochabamba, Bolivia, Imprenta universitaria, 1941. 56.43 Es6

4753 MACSELF, A. J. Soils and fertilizers. Ed. and rev. by G. B. Whitehead. 130 p. London, Eyre, 1943. 56.7 M24

4754 REMINGTON, J. S. The manure note book. A handy guide for manure manufacturers and merchants, farmers, agricultural students, and horticulturists. 58 p. London, Hill, 1943. 57 R28

4755 SMATHERS, EUGENE. A primer for Friends of the Soil. 28 p. n. p., 1943. 56.7 F33  
Friends of the Soil is a project of the Fellowship of Southern Churchmen.

4756 \*STRUKOV, M. T. Zaderzhanie snega i talykh vod na poliakh [The retention of snow and thawing waters in the fields]. 22 p. Moskva, Ogiz-Sel'khozgiz, 1943.

4757 \*TURCHIN, F. V. Mineral'nye udobreniia i ikh primeneniie [Mineral fertilizers and their application]. 86 p. Moskva, Akademiia nauk, 1943.

4758 U. S. CONGRESS. HOUSE. COMMITTEE ON RIVERS AND HARBORS. Columbia River (Umatilla Dam) and Snake River, Oreg., Wash., and Idaho. Hearings... 78th Cong., 1st sess... October 13, 22, and 27, 1943. 44 p. Washington, U. S. Govt. print. off., 1943. 148.7 R78C

4759 U. S. TENNESSEE VALLEY AUTHORITY. Plant nutrient losses in the Tennessee River system. 48 p., processed. Knoxville, Tenn., 1943. 173 T25P1

#### MISCELLANEOUS

4760 ELLIOT, R. H. The Clifton Park system of farming and laying down land to grass. A guide to landlords, tenants and land legislators, with an introduction by Sir R. G. Stapledon. Ed. 5, 261 p. London, Faber, 1943. 32 EL52

A presentation of the system of ley farming as inaugurated by the author with a chapter on forage plants. State aid to agriculture in the fields of experimentation and research is advocated as well as seed-testing and control.

4761 FAULKNER, H. U. American economic history. Ed. 5, 784 p. N. Y., Harper, 1943. (Harper's Hist. Ser.) 277.12 F27

Ref. at end of chapters; bibliography, p. 705-757. Several chapters deal with the history of agriculture.

4762 GARRETT, S. D., and others. Farming handbook No. 2. 147 p. Norwich, Jarrold, 1943. 10 F2272

Contents: Diseases of cereals in Great Britain, by S. D. Garrett, p. 1-16; Sugar beet, by F. Rayns, p. 17-32; Some aspects of the science of the soil, by E. C. Childs, p. 33-49; Manuring for arable crops in wartime, by F. Hanley, p. 50-63; Breeding the milch cow, by John Hammond, p. 64-75; Milk: a survey of production and distribution after the third year of war, by S. Foster, p. 76-95; Silage and its place in agriculture, by S. J. Watson, p. 96-108; Machinery in modern farming, by D. R. Bomford, p. 109-121; Electricity's place in agriculture, by C. A. Cameron Brown, p. 122-135; Education for farming, by J. A. Hanley, p. 136-144; Recent books on agriculture, p. 145-147.

4763 GOSSET, W. S. "Student's" collected papers. 224 p. London, Univ. col., Biometrika off., 1942. 251 G692

Edited by E. S. Pearson and John Wishart.

A re-issue of all the scientific papers published by W. S. Gosset, between 1907 and 1937 under the pseudonym of "Student." The central theme of the contributions is the application of statistical method in research and routine problems of both industry and agriculture.

4764 KINCER, J. B. Normal weather for the United States. 36 p. Washington, U. S. Weather bur., 1943. 157.991 N78

4765 McCABE, M. R. An annotated list of periodicals on the Far East for teachers and librarians. 9 p., processed. Washington, U. S. Off. of ed., 1943. 156.31 An7

Some of the periodicals listed include agricultural material.

4766 MAZA Y PAEZ, M. A. Elementos de agricultura. Ed. 2, 137 p. La Habana, Cultural, S. A., 1943. 31.7 M45

4767 PERAZA Y SARAUSA, FERMIN. Directorio de revistas y periódicos de Cuba, publicación anual, edición de 1943. 51 p., processed. Habana, Anuario bibliografico cubano, 1943. (Biblioteca del Bibliotecario, 3) 241.9 D63

Periodicals dealing with agriculture and rural life are included.



- 4768 \*PRIANISHNIKOV, D. N. *Agrokhimiia* [Agricultural chemistry]. Ed. 3. 644 p. Moskva, Sel' khoz'giz, 1940.
- 4769 REIS, A. S. DOS. *Bibliografia nacional*, 1942, v. 4-7; 1943, v. 1-4; 8 nos. Rio de Janeiro, Zelio Valverde, 1942-43. 242.12 B473
- A classified list of books and periodical articles published in Brazil. Includes agriculture.
- 4770 SUHR, BARNETT. A plan for the establishment of an International Institute for Agricultural Research. 3 p., processed. n. p., 194-? 281 Su7
- 4771 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. Abstracts of postwar literature. Congressional series, Nos. 1-225. Washington, 1943. 280.9 Un31A
- References to agriculture in Nos. 19, 38, 90, 93, 96, 109, 172, 203, 212, 220. For other subjects of interest, see Index.

- 4772 WISCONSIN UNIVERSITY. WISCONSIN ALUMNI RESEARCH FOUNDATION. Stephen Moulton Babcock, man of science; a memorial to him in observance of the centenary of his birth. 33 p. Madison, 1943. 120 B112
- 4773 WITKE, CARL, ed. The history of the State of Ohio. 5 v. Columbus, Ohio, Ohio State archaeol. and hist. soc., 1941-1943. 138 W78
- Contents: v. 1, The foundations of Ohio, by B. W. Bond, Jr.; v. 2, The frontier state, 1803-1825, by W. T. Utter (Chapter 5, Acquiring a farm; Chapter 6, The farm in production); v. 3, The passing of the frontier, 1825-1850, by F. P. Weisenburger; v. 5, Ohio comes of age, 1873-1900, by P. D. Jordan (Chapter 3, The farmer and his land); v. 6, Ohio in the twentieth century, 1900-1938, planned and compiled by Harlow Lindley. Scattered references to agriculture throughout.



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 4774 ANDERSON, EDGAR, and BARLOW, R. H. The maize tribute of Moctezuma's empire. *Mo. Bot. Gard. Ann.* 30: 413-420. Nov. 1943. 451 M69  
The maize tribute was paid once a year and is believed to have been roughly 300,000 bushels.
- 4775 ANDREWS, H. N. Contributions to our knowledge of American carboniferous floras. VI. Certain filicinean fructifications. *Mo. Bot. Gard. Ann.* 30: 429-442. Nov. 1943. 451 M69
- 4776 ANDREWS, H. N. On the vascular anatomy of the cycadeoid cone axis. *Mo. Bot. Gard. Ann.* 30: 421-427. Nov. 1943. 451 M69  
*Cycadeoidea* n. sp.
- 4777 ARMITAGE, F. D. The microscopy of vegetable foods and drugs. Part I. Botanical introduction. *Indus. Chem. and Chem. Mfr.* 19: 687-691. Dec. 1943. 389.8 F738
- 4778 BAILEY, I. W. Some misleading terminologies in the literature of "plant tissue culture." *Science* 98: 539. Dec. 17, 1943. 470 Sci2
- 4779 BROWN, P. D. The value of the Arboretum to eastern Washington. *Arboretum Bul.* 6(5): 5-6. Sept. 1943. 451 Arl  
The University of Washington Arboretum.
- 4780 BUTLER, P. R. Indian trees and shrubs. *Field* 182: 614. Dec. 11, 1943. 10 F45
- 4781 CLUTE, W. N. Meaning of plant names. XCIII. The nettle family [Urticaceae]. *Amer. Bot.* 49: 111-115. Oct. 1943. 450 Am33
- 4782 ELIAS, M. K. Tertiary prairie grasses and other herbs from the high plains. *Geol. Soc. Amer. Spec. Paper* 41, 176 p. N. Y., 1942. 402.1 E14
- 4783 FAIRBURN, D. C. Missouri Botanical Garden. *Fed. Gard. Clubs of Iowa. Proc.* 60. In *Iowa State Hort. Soc.* (1942) 77: 234-236. 51 Io9
- 4784 GAUCH, H. G., and WAILEIGH, C. H. A new type of intermittently-irrigated sand culture equipment. *Plant Physiol.* 18: 543-547. Oct. 1943. 450 P692
- 4785 GOTTSCHO, S. E. Photographing nature's plantings. *Home Gard. [N. Y.]* 2(6): 43-46. Dec. 1943. 80 E756
- 4786 GRAHAM, G. W. A glimpse of the vegetation in Madeira. *Tree Lover [London]* 4: 148-149. Autumn 1943. 99.8 T712
- 4787 GRAHAM, H. W. The phytoplankton [Cruise 7 of the Carnegie]. *Carnegie Inst. Wash. Pub.* 555, p. 1-13. Washington, 1943. 442 C212
- 4788 HARDING, T. S. Research "accidents." *Amer. Jour. Pharm.* 115: 386-390. Oct. 1943. 396.8 Am3  
There must be good scientists and investigators to extract useful results from "accidents."
- 4789 HOWARD, A. L. The plane tree [*Platanus acerifolia*]. *Nature [London]* 152: 421-422. Oct. 9, 1943. 472 N21
- 4790 JENKINS, C. F. Franklin's tree. *Natl. Hort. Mag.* 22: 119-127. Oct. 1943. 80 N216  
Revision of author's "Historical Background of Franklin's Tree," relative to the recent publication by the American Philosophical Society, Philadelphia, of the diary of John Bartram, who first discovered *Franklinia alatanaha*.
- 4791 KELLY, ISABEL, and ANDERSON, EDGAR. Sweet corn in Jalisco. *Mo. Bot. Gard. Ann.* 30: 405-412. Nov. 1943. 451 M69  
Includes sections on morphology, cytology, distribution and uses.
- 4792 LANTZ, H. L. Greenkeeping and fine turf research in 1942. *Iowa Greenkeepers' Assoc. Proc.* 11. In *Iowa State Hort. Soc. Trans.* (1942) 77: 209-219. 81 Io9
- 4793 LIMING, O. N. Relative value of descriptive words. *Science* 98: 539-540. Dec. 17, 1943. 470 Sci2  
"It is proposed that a table of relative values be established for the use of a particular profession or a group of professions such as plant pathology, entomology, etc."
- 4794 McKAY, A. M. Sketch map of Burchell's trek. *Jour. So. African Bot.* 9: 27-78. Apr. 1943. 450 J8262  
A modernized version of W. J. Burchell's map, published in 1822, showing his wanderings in South Africa from 1810 to 1815.
- 4795 MERRILL, E. D. Destruction of the Berlin Herbarium. *Science* 98: 490-491. Dec. 3, 1943. 470 Sci2  
Report of a previous announcement that the herbarium and library of the Berlin Botanical Garden were destroyed by fire in a bombing raid in March 1943 is now confirmed by information received through the State Department.
- 4796 MORROW, M. B., and LOWE, E. F. Molds in relation to asthma and vasomotor rhinitis. A review. *Mycologia* 35: 638-653. Nov./Dec. 1943. Ref., p. 649-653. 450 M99
- 4797 PALMER, E. L. Evergreens forever. *Nature Mag.* 36: 529-536. Dec. 1943. 409.6 N214  
Illustrations and descriptions of 18 species.
- 4798 PELLET, F. C. Spark plug of agriculture. *Country Gent.* 114(1): 19, 56. Jan. 1944. 6 C883  
Honeybees and pollination.
- 4799 \*\*RAO, S. R. N. An algal flora from the Lockhart limestone (Ranikot series) of the Samana Range (N. W. India). *Mysore Univ. Half-Yearly Jour. Sect. B* 2(2): 41-51. 1942.  
Abs. in *Biol. Abs.* 17: 22257. Nov. 1943. 442.8 B526
- 4800 ROUMAIN, JACQUES. Contribution à l'étude de l'ethnobotanique précolombienne des Grandes Antilles. *Haiti. Bur. d'Ethnol. de la Répub. Bul.* 1, 72 p. Port-au-Prince, Feb. 1942. 456.3 R76
- 4801 SCHMIDT, M. G. Tilden Park Botanic Garden (near Berkeley, Calif.). *Calif. Hort. Soc. Jour.* 4: 132-136. Oct. 1943. 81 C1293
- 4802 SLATER, E. M. Trailing *Bommerias* in Texas. *Amer. Fern Jour.* 33: 130-133. Oct./Dec. 1943. 450 Am35
- 4803 STRAEN, W. T. Further note on the date of Pursh's *Flora*. *Rhodora* 45: 511-512. Dec. 1943. 450 R54
- 4804 STECHHECK, WALTER. John Muirhead Macfarlane, September 28, 1855-September 16, 1943. *Science* 98: 487-488. Dec. 3, 1943. 470 Sci2
- 4805 STEVENS, O. A. North Roosevelt Park, North Dakota. *Amer. Bot.* 49: 104-110. Oct. 1943. 450 Am33  
North and South Roosevelt Parks, a memorial to Theodore Roosevelt, extend some 20 miles along the Little Missouri River.
- 4806 TOWNSEND, A. C. Bibliographical note on J. S. Rafinesque. *Soc. Bibliog. Nat. Hist. Jour.* 1: 471-476. Feb. 20, 1943. 241.7 Sol



4807 WEAKLY, H. E. A tree-ring record of precipitation in western Nebraska. Jour. Forestry 41: 816-819. Nov. 1943. 99.8 F768

Correlation between annual ring growth and rainfall for 400 years is of statistical significance but does not show precipitation cycles of sufficient regularity to be of value in exact forecasting of future droughts.

4808 WHITE, O. E. The story behind new plant varieties. Home Gard. [N. Y.] 2(6): 52-55. Dec. 1943. 80 H756

4809 WYMAN, DONALD. The importance of a Pacific N. W. arboretum. A viewpoint from the Atlantic seaboard. Arboretum Bul. 6(5): 4-5. Sept. 1943. 451 Arl

The University of Washington Arboretum.

#### SYSTEMATIC AND GEOGRAPHIC BOTANY

##### General

4810 ADAMSON, R. S., ESTERHUYSEN, E., and PHILLIPS, E. F. Some changes in nomenclature. IV. Jour. So. African Bot. 9: 137-140. July 1943. 450 J8262

4811 BALDWIN, J. G., and CROCKER, R. L. The soils and vegetation of portion of Kangaroo Island, South Australia. Roy. Soc. So. Austral. Trans. 65: 263-275. Dec. 19, 1941. 514 Ad3

4812 BLACK, J. M. Additions to the flora of South Australia, No. 40. Roy. Soc. So. Austral. Trans. 65: 233-234. Dec. 19, 1941. 514 Ad3

4813 BLAKE, S. F. Cotype, syntype, and other terms referring to type material. Rhodora 45: 481-485. Dec. 1943. 450 R34

4814 CLELAND, J. B., and BLACK, J. M. An enumeration of the vascular plants of Kangaroo Island. Additions and corrections. Roy. Soc. So. Austral. Trans. 65: 244-248. Dec. 19, 1941. 514 Ad3

4815 ELLIOTT, CHARLOTTE. Recent developments in the classification of bacterial plant pathogens. Bot. Rev. 9: 655-666. Dec. 1943. Ref., p. 665-666. 450 B6527

4816 FERNALD, M. L. Virginian botanizing under restrictions. (Concl.) Rhodora 45: 485-510. Dec. 1943. 450 R34

Helenium floridanum n. sp.

4817 GENTRY, H. S. Rio Mayo plants; a study of the flora and vegetation of the Valley of the Rio Mayo, Sonora. Carnegie Inst. Wash. Pub. 527, 328 p. Washington, 1942. 456.1 G28

4818 JONES, K. D. Notes on twenty Australians. (Concl.) Calif. Hort. Soc. Jour. 4: 137-143. Oct. 1943. 81 C1293

Brief descriptions of some Australian plants.

4819 \*LUSINA, G. Terzo contributo alla flora delle isole del Carnaro. Ann. di Bot. [Torino] 22: 1-10. 1941.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 258. Oct. 1943. 241 Im733

4820 THORGRIMSON, M. R. California oaks. Arboretum Bul. 6(5): 13-14, 29. Sept. 1943. 451 Arl

##### Spermatophytes

4821 BADILLO, V. M. Dos nuevas Compuestas de Venezuela. Soc. Venezolana de Cien. Nat. 8: 237-239. Apr./June 1943. 516 C172

Gongylolepis maroana, Eupatoriastrum clavisetum n. spp.

4822 BAILEY, L. H. Species of Cucurbita. In his Gentes Herbarum 6: 266-322. Dec. 6, 1943. 450 B15

4823 BARKER, W. F., and others. Plantae novae Africanae. XIX. Jour. So. African Bot. 9: 109-136. July 1943. 450 J8262

R. H. Compton, F. M. Leighton, R. A. Dyer, and C. A. Smith, joint authors.

Includes a new genus, Lysichlamys.

4824 BARTLETT, H. H. Oenothera burkartiana, una nueva especie argentina del subgénero Raimannia de un grupo que aparenta ser Onagra. Darwiniana 6: 203-210. Sept. 1943. 450 D25

4825 BURKART, ARTURO. Nuevas combinaciones de nombres para algunas Leguminosas. Darwiniana 6: 261. Sept. 1943. 450 D45

New combinations from a book in press by the same author entitled: Las Leguminosas Argentinas silvestres y cultivadas. 590 p., illus. Buenos Aires, 1943.

4826 COOK, O. F. Household palms and related genera. Part II. Natl. Hort. Mag. 22: 134-152. Oct. 1943. 80 N216

4827 COVAS, GUILLERMO. Una nueva especie argentina del género Alternanthera [A. australis]. Darwiniana 6: 257-259. Sept. 1943. 450 D25

4828 CROIZAT, LEON. New or critical Euphorbiaceae of Brazil. Yale Univ., School Forestry Trop. Woods 76: 11-14. Dec. 1, 1943. 99.08 Yltr

Algermonia pardina n. sp.

4829 CROIZAT, LEON. A study of the genus Lophophora Coulter I. Desert Plant Life 14: 116-120. Oct. 1943. 450 D45

4830 CROIZAT, LEON. Il tipo dell' Euphorbia portulacoides. Darwiniana 6: 179-191. Sept. 1943. 450 D25

English summary.

4831 DUCKE, ADOLPHO. New forest trees of the Brazilian Amazon. Yale Univ., School Forestry Trop. Woods 76: 15-32. Dec. 1, 1943. 99.08 Yltr

14 new species described.

4832 FERNALD, M. L. The Quebec stations for Scirpus peckii. Rhodora 45: 518. Dec. 1943. 450 R34

4833 FERNALD, M. L. Trillium undulatum Willd., forma cleavelandicum (Wood), comb. nov. Rhodora 45: 517-518. Dec. 1943. 450 R34

4834 GORHAM, R. P. A new location for Shepherdia canadensis. Acadian Nat. 1: 48-49. Dec. 1943. 410.9 N42A

4835 HERTRICH, WILLIAM. Notes from the Huntington Botanical Garden. Cactus and Succulent Jour. 15: 155-158. Nov. 1943. 451 C11

Species of Cactaceae from South America cultivated at San Marino are described.

4836 HULL, E. D. Lilium michiganense, L. canadense and L. superbum. Rhodora 45: 512-515. Dec. 1943. 450 R34

4837 HULL, E. D. Rare find in the Indiana dunes. Amer. Bot. 49: 124-125. Oct. 1943. 450 Am33

Triphora trianthophora.

4838 LASSER, TOBIAS. Dos arboles interesantes de la flora Venezolana. Soc. Venezolana de Cien. Nat. Bol. 8: 233. Apr./June 1943. 516 C172

Meliosma meridensis n. sp., and Aniba roseodora.

4839 LITTLE, E. L., JR. Arizona's native century plants. Ariz. Highways 14(4): 8-11, 38-41. 1943. 455.51 L72

Various species of native agaves or century plants are described and illustrated.

4840 MENDOZA, EDUARDO. Adición a "Las especies de Asparagus cultivadas en la Argentina." Darwiniana 6: 259-260. Sept. 1943. 450 D25

4841 RECORD, S. J. Keys to American woods. (Cont.) Yale Univ., School Forestry Trop. Woods 76: 32-47. Dec. 1, 1943. 99.08 Yltr



- 4842 SCHNEE, L. El genero *Thurnia*. Soc. Venezolana de Cien. Nat. Bol. 8: 241-243. Apr./June 1943. 516 C172
- 4843 SCHWEINFURTH, CHARLES. A novel *Coryanthes* from South America. Amer. Orchid Soc. Bul. 12: 242-244. Dec. 1, 1943. 80 Am329
- Coryanthes alborosea*, n. sp.
- 4844 \*\*SINGH, D. N., BANSAL, R. K., and MITAL, S. P. *Cajanus obcordifolia* Singh. A new species of *Cajanus*. Indian Jour. Agr. Sci. 12: 779-784. 1942. Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 261. Oct. 1943. 241 Im733
- 4845 SMITH, G. G. Some new species and varieties in the genus *Haworthia*. Jour. So. African Bot. 9: 93-107. July 1943. 450 J8262
- 4846 SWALLEN, J. E. Nine new grasses from Mexico. Biol. Soc. Wash. Proc. 56: 77-84. Sept. 10, 1943. 500 W272
- 4847 VARGAS C., CESAR. Two new *Bomarea*s and a new *Stenomesson*. Natl. Hort. Mag. 22: 130-133. Oct. 1943. 80 N216
- Bomarea ampayesana*, B. velascoana, *Stenomesson morrisonii*, n. spp.
- 4848 WHERRY, E. T. The American azaleas and their variations. Natl. Hort. Mag. 22: 158-166. Oct. 1943. 80 N216
- 4849 WYMAN, DONALD. Simple foliage key to the hemlocks and spruces. Arnoldia 3: 57-64. Dec. 17, 1943. 451 Ar6Ba
- 4850 WYMAN, DONALD. Simple key to the pines (native or available from nurseries in the United States). Arnoldia 3: 49-56. Nov. 19, 1943. 451 Ar6Ba

#### Pteridophytes

- 4851 MARIE-VICTORIN, FRERE. Les Vallisneries Américaines. Montreal Inst. Bot. Contrib. 46, 38 p. Montreal. 1943. 451 M763
- 4852 MAXON, W. E. New tropical American ferns. Amer. Fern Jour. 33: 133-137. Oct./Dec. 1943. 450 Am35
- Dicranopteris peruviana* and *Polypodium tuberosum*, n. spp.
- 4853 WAKEFIELD, N. A. Revision of the Victorian *Gleicheniaceae*. Victorian Nat. 60: 108-110. Nov. 1943. 410 V66

#### Bryophytes

- 4854 GROUT, A. J. Bryales. Fissidentaceae. North Amer. Flora, v. 15, pt. 3, p. 167-202. Oct. 9, 1943. 454 N48
- 4855 PANDE, S. K. Studies in Indian Hepaticae. II. On the epiphyllous liverworts of India and Ceylon. Indian Bot. Soc. Jour. 22: 159-169. July 1943. 450 J821
- Cololejeunea indica* and *Leptolejeunea himalayensis*, n. spp.

#### Algae

- 4856 DROUET, FRANCIS. Myxophyceae of eastern California and western Nevada. Field Mus. Nat. Hist., Chicago, Bot. Ser. 20: 145-176. Nov. 20, 1943. 500 C432B
- 4857 FRITSCH, F. E. Forests of the sea. Endeavour 2: 142-147. Oct. 1943. 472 En2
- Marine algae.
- 4858 PAPENFUSS, G. F. Notes on South African marine algae. II. Jour. So. African Bot. 9: 79-92. July 1943. 450 J8262
- 4859 SETCHELL, W. A. Marine algae [Cruise 7 of the Carnegie]. Carnegie Inst. Wash. Pub. 555, p. 17-20. Washington, 1943. 442 C212

#### Fungi (Including Lichens)

- 4860 CASH, E. K. Some new or rare Florida *Discomycetes* and *Hysteriales*. Mycologia 35: 595-603. Nov./Dec. 1943. 450 M99
- 4861 FISCHER, G. W. Some evident synonymous relationships in certain graminicolous smut fungi. Mycologia 35: 610-619. Nov./Dec. 1943. 450 M99
- In *Ustilago* and *Urocystis*.
- 4862 GROVES, J. W. A new species of *Claviceps* [*C. grohii*] on *Carex*. Mycologia 35: 604-609. Nov./Dec. 1943. 450 M99
- 4863 LONG, W. H., and STOUTER, D. J. Studies in the *Gasteromycetes*-IX. The genus *Itajahya* in North America. Mycologia 35: 620-628. Nov./Dec. 1943. 450 M99
- 4864 MARCHIONATTO, J. B. Parasitismo y antagonismo en los hongos relacionados con la fitopatología. Agronomía [Buenos Aires] 31:5-16. Oct. 1942. 9 B864
- Bibliographical footnotes.
- 4865 NARASIMHAN, M. J., and THIRUMALACHAR, M. J. Preliminary note on the perfect phase of *Ephelis oryzae* Syd. [*Balanisia oryzae* (Syd.) comb. nov.]. Current Sci. [India] 12: 276. Oct. 1943. 475 Sci23
- 4866 STAHEL, GEROLD. The fungus gardens of the leaf-cutting ants. N. Y. Bot. Gard. Jour. 44: 245-253. Nov. 1943. 451 N48J
- 4867 STEVENSON, J. A. *Fungi novi denominati*-I. Mycologia 35: 629-637. Nov./Dec. 1943. 450 M99

#### PLANT PATHOLOGY

##### General

- 4868 CHUPP, CHARLES. Another need for treated seed. Delaware Co. [N. Y.] Farm & Home Bur. News 27(12): 4. Dec. 1943. 275.293 N. Y., Delaware Co.
- Hot water treatment to eradicate ring spot of cabbage.
- 4869 MASSEY, L. M. "Fermate" [ferric-dimethyl-dithiocarbamate], a promising new fungicide. Amer. Rose Mag. 5: 108-109. Nov./Dec. 1943. 80 Am327A
- 4870 \*\*OGILVIE, L. Control of vegetable diseases in wartime. Occas. Pub. Sci. Hort. No. 4, p. 22-24. 1943.
- Abs. in Brit. Chem. and Physiol. Abs. B, 3: 239. Oct. 1943. 382 B773
- 4871 PARKER-RHODES, A. F. The fungicidal action of copper and sulphur. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 83-85. 84 B77
- 4872 FESCOTT, E. E. How to treat damaged trees. Stock and Land 33(42): 2. Oct. 20, 1943. 49 St63
- 4873 \*\*POHJAKALLIO, ONNI, and GRUNDSTRÖM, KARL. Ueber die flüssigkeit des haifers. Suomen Maatlustiet. Seura, Maatlustiet. Aikakausk. 13: 28-40. 1941.
- Abs. in Biol. Abs. 17: 20792. Oct. 1943. 442.8 B526
- Experiments to determine the cause of blast disease of oats.
- 4874 RIEDER, R. E. Sprays readied now for peach leaf curl. Better Fruit 38(6): 17-19. Dec. 1943. 80 B46
- 4875 SCHAEFER, E. E. Three common tomato diseases [leaf-spot, krommek and blossom-end rot]. Union So. Africa. Dept. Agr. and Forestry Publicity Ser. 184, 2 p. Pretoria, Oct. 29, 1943. 24 So82P
- 4876 TER HORST, W. P., and FELIX, E. L. 2, 3-dichloro-1, 4-naphthoquinone, a patent organic fungicide. Indus. and Engin. Chem., Indus. Ed. 35: 1255-1259. Dec. 1943. 381 J825
- 4877 \*VINOGRADOV, V. P. Metody odeszarazhivania semian klovera [Methods of disinfection of clover seeds]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 37-40. 1942.



4878 WALDKE, E. L. Survey of the 1942 fruit diseases in Iowa. Iowa Fruit Growers' Assoc. Proc. 31. In Iowa State Hort. Soc. Trans. (1942) 77: 46-51. 81 Io9

#### Diseases Caused by Fungi

- 4879 \*\*ANDREN, F. Preliminary disinfection experiments against *Ascochyta* on peas. Sweden. Statens Växtskyddsanst. Växtskyddsanotiser 5: 45-47. 1941.  
Abs. in Chem. Abs. 37: 6397. Nov. 10, 1943. 361 Am330
- 4880 ATWOOD, HARRY. Barberry eradication for the control of stem rust [of cereals]. Farm and Dairy [Salem, Ohio] 30(18): 10-11. Dec. 31, 1943. 6 F2279
- 4881 BLODGETT, F. M. A century of late blight of potatoes in America. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 275-280. 81 Io9
- 4882 BLODGETT, F. M. The control of scab and *Rhizoctonia* on potatoes. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 310-315. 81 Io9
- 4883 BLODGETT, F. M. Results of potato spraying for late blight control in New York State. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 294-300. 81 Io9
- 4884 CARTWRIGHT, K. ST. G., and FINDLAY, W. P. K. Timber decay [caused by fungi]. Cambridge Phil. Soc. Biol. Rev. 18: 145-158. Oct. 1943. 442.9 G14
- 4885 CUMMINGS, M. B. Fly speck on apple. Rural New Yorker 102: 607. Dec. 11, 1943. 6 R88  
Sooty blotch (*Leptothyrium pomi*).
- 4886 ERWIN, A. T. The climatic factor in relation to late blight outbreaks in Iowa. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 271-275. 81 Io9  
Late blight on potatoes.
- 4887 GARRETT, S. D. Competition for nitrogen between the take-all fungus [*Ophiobolus graminis*] and the roots of crop plants. Nature [London] 152: 417-418. Oct. 9, 1943. 472 M21
- 4888 GASKILL, J. O. Sugar-beet leaf spot, *Cercospora beticola*, is being controlled through breeding of resistant varieties. Colo. Agr. Expt. Sta. Colo. Farm Bul. 5(5): 10-13. Nov./Dec. 1943. 100 C718
- 4889 GREANEY, F. J., and WALLACE, H. A. H. Varietal susceptibility to kernel smudge in wheat. Sci. Agr. 24: 126-134. Nov. 1943. 7 Sci2
- 4890 HASKILL, R. J. The late blight epidemic of 1942 in northern states. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 269-270. 81 Io9  
Reports of late blight on potatoes.
- 4891 HATFIELD, W. C., and KREUTZER, W. A. Careful handling of potatoes is of prime importance in avoiding loss from dry rot [*Fusarium trichothecioides*]. Colo. Agr. Expt. Sta., Colo. Farm Bul. 5(5): 3-4. Nov./Dec. 1943. 100 C718
- 4892 HOWARD, SIR ALBERT. Club root of cabbage and turnip, and its control. Organic Gard. 3(2): 12-14. July 1943. 56.8 Or3
- 4893 KEARNS, H. G. H. A method of spraying outdoor tomatoes [for late blight, *Phytophthora infestans*]. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 70-72. 84 B77
- 4894 MCKAY, ROBERT. Notes on apple scab in 1942. Nire. Dept. Agr. Jour. 11: 129-133. Mar. 1943. 10 It2J  
Spraying for scab caused by *Venturia inaequalis*.

- 4895 MARSH, R. W., and MARTIN, E. Simplified methods of potato blight control. Progress report III. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 79-82. 84 B77  
Late blight (*Phytophthora infestans*).
- 4896 MELIUS, I. E. The late blight outbreak of 1942 and a proposed forecasting service. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 287-294. 81 Io9  
Potato late blight in Iowa.
- 4897 NOTTAGE, I. L. Protection against verrucosis. New Zeal. Jour. Agr. 67: 290. Oct. 15, 1943. 23 N48J  
Scab or verrucosis on citrus.
- 4898 OGILVIE, LAWRENCE, and CROXALL, H. E. Observations on downy mildew and grey mould on greenhouse lettuces. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 76-78. 84 B77  
Downy mildew (*Bremia lactucae*); grey mould (*Botrytis cinerea*).
- 4899 \*\*POHJAKALLIO, O. Kasvinjalostusbiologia tutkimuksia apilamädästä [Biological investigations of clover stem rot in plant breeding]. Suomen Tiedeakatemian Esitelmät ja pöytäkirjat 1939: 115-128.  
Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 236. Oct. 1943. 241 Im733  
*Sclerotinia trifoliorum*.
- 4900 REED, G. M. *Melanopsichium* [*M. pennsylvanicum*] on *Polygonum aviculare*. Mycologia 35: 654-655. Nov./Dec. 1943. 450 M99
- 4901 ROTH, L. F. Seasonal development in the nursery of damping-off of red pine seedlings [*Pinus resinosa*] caused by *Pythium* and *Rhizoctonia*. Jour. Agr. Res. 67: 417-431. Dec. 1, 1943. 1 Ag84J
- 4902 \*\*SCHULTZ, H. Die fuskrankheiten der lupinen und ihre erregere, insbesondere die *Pythium*-arten. Biol. Reichsanst. f. Land u. Forstw. Mitt. No. 65, p. 13-14. 1941.  
Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 235. Oct. 1943. 241 Im733
- 4903 STARR, G. H., CYKLER, J. R., and DUNNEWALD, T. J. The effect of moisture and other factors on potato scab. Amer. Potato Jour. 20: 279-287. Nov. 1943. Ref., p. 286-287. 75.8 P842  
Caused by *Actinomyces scabies*.
- 4904 TAIMAGE, H. R. Our methods of spraying potatoes on Long Island. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 281-286. 81 Io9
- 4905 VIEIRA, J. T. "Lagartão" ou "Vassoura de Bruza", *Marasmius perniciosus*. Brasil. Min. da Agr. Bol. 31(11): 39-45. Nov. 1942. 9.2 Ag83
- 4906 WAGNER, W. W., and DIMOCK, A. W. Prolonging the life of Monterey cypress windbreaks. Calif. Citrog. 29: 31. 43. Dec. 1943. 80 G125  
Control of *Coryneum* canker.
- 4907 WARNE, L. G. G. A case of club-root of swedes due to a seed-borne infection. Nature [London] 152: 509. Oct. 30, 1943. 472 M21  
*Plasmodiophora brassicae*, causal organism.
- 4908 WILKINSON, E. H. Dry eye rot of apples caused by *Botrytis cinerea* Pers. Jour. Pomol. and Hort. Sci. 20: 84-88. Oct. 1943. 80 J825
- 4909 WILKINSON, E. H. A note on the so-called dry eye rot of apples associated with *Botrytis cinerea* Pers. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 72-75. 84 B77
- 4910 WORMALD, HUGH. Field observations on the *Cylindrocladium* shoot wilt of plum and cherry layers. Jour. Pomol. and Hort. Sci. 20: 80-83. Oct. 1943. 80 J823  
Caused by a variety of *C. scoparium*.



- 4911 WOERMALD, HUGH. Papery bark canker of fruit trees in relation to silver leaf disease. Jour. Pomol. and Hort. Sci. 20: 144-146. Oct. 1943. 80 J825

Isolations from grafted trees showing papery bark all yielded *Stereum purpureum*, except one from which *Polystictus versicolor* was isolated.

#### Diseases Caused by Bacteria

- 4912 BRAUN, A. C. Studies on tumor inception in the crown-gall disease. Amer. Jour. Bot. 30: 674-677. Nov. 1943. 450 Am36

Study of time element in neoplastic cell change in *Vinca rosea* inoculated with *Phytoplasma tumefaciens*.

#### Viruses and Virus Diseases

- 4913 CHAMBERLAIN, E. E., and MATTHEWS, R. E. F. A virus disease of cultivated daphne. New Zeal. Jour. Sci. and Technol. 23: 254A-256A. Dec. 1941. 514 M48

- 4914 GROUCH, RAY. Tomato mosaic. Calif. Cult. 90: 659. Dec. 25, 1943. 6 C12

- 4915 KING, F. C. Virus disease in raspberries. Gard. Chron. 114: 162-163, 204-205. Oct. 30, Nov. 27, 1943. 80 G162

- 4916 PAL, B. P. Virus diseases of potatoes in India. Current Sci. [India] 12: 279. Oct. 1943. 475 Sci123

- 4917 PRICE, W. C., and SPENCER, E. L. Accuracy of the local-lesion method for measuring virus activity. III. The standard deviation of the log-ratio of potencies as a measure of the accuracy of measurement. Amer. Jour. Bot. 30: 720-735. Nov. 1943. 450 Am36

- 4918 SELMAN, I. W. The influence of lime and potash on mosaic infection in the tomato (var. Potentate) under glass. Jour. Pomol. and Hort. Sci. 20: 89-106. Oct. 1943. 80 J825

#### Diseases Caused by Nematodes

- 4919 PINCKARD, J. A. Soil fumigant effective against root-knot and meadow nematodes. Seed World 54(10): 12-13, 46. Nov. 19, 1943. 61.8 Se52  
Also in Food Packer 25(1): 43-44. Jan. 1944. 786.83 C165

#### PLANT ECOLOGY

- 4920 HEATH, O. A. Toxic vegetation growing on the salt wash sandstone member of the Morrison formation. Amer. Jour. Bot. 30: 698-707. Nov. 1943. 450 Am36

Native Utah vegetation analysed for selenium and other mineral elements.

- 4921 MEETLE, A. A. Phytogeography of Patagonia. Bot. Rev. 9: 667-679. Dec. 1943. Ref., p. 677-679. 450 B6527

- 4922 GREGG, R. B. Companion and protective plants. Bio-Dynamics 3(1): 16-24. 1943. 56.8 B52

- 4923 PARODI, L. R. La vegetación del departamento de San Martín en Corrientes (Argentina). Darwiniana 6: 127-178. Sept. 1943. 450 D25

- 4924 YOUNG, V. A. Changes in vegetation and soil of Palouse Prairie caused by overgrazing. Jour. Forestry 41: 834-838. Nov. 1943. 99.8 F768

#### PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 4925 \*\*KERBERG, E. Further studies of the embryo- and endosperm-development in *Poa pratensis*. Hereditas 29: 199-201. 1943.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 260. Oct. 1943. 241 Im733

- 4926 BROWN, S. W. The origin and nature of variability in the Pacific coast blackberries (*Rubus ursinus* Cham. & Schlecht. and *R. leucurum* sp. nov.) Amer. Jour. Bot. 30: 686-697. Nov. 1943.

Study of the chromosome numbers.

- 4927 CHEYSLER, M. A. The vascular structure of the leaf of *Gleichenia*. I. The anatomy of the branching regions. Amer. Jour. Bot. 30: 735-743. Nov. 1943. 450 Am36

- 4928 DEEVY, E. S., JR. Additional pollen analyses from southern New England. Amer. Jour. Sci. 241: 717-752. Dec. 1943. Ref., p. 751-752. 470 Am34

- 4929 \*\*ELVERS, IVAR. An electron-microscopic study of chromosomes and cytoplasm in *Lilium*. Arkiv för Bot. 30B(4): 1-8. 1942.

Abs. in Biol. Abs. 17: 19454. Oct. 1943.

442.8 B526

- 4930 GILES, M. H., JR. The origin of isochromosomes at meiosis. Genetics 28: 512-524. Nov. 1943. 442.8 G28

- 4931 \*\*HÄKANSSON, A. Die entwicklung des embryosacks und die befruchtung bei *Poa alpina*. Hereditas 29: 25-61. 1943.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 260. Oct. 1943. 241 Im733

- 4932 KUMAR, L. S. S., and ABRAHAM, A. A study of colchicine induced polyploidy in *Phaseolus radiatus* L. Bombay. Univ. Jour., Sect. B, Sci. (n. s.) 11(3): 30-37. Nov. 1942. Ref., p. 36. 513 B633

- 4933 MALLAH, G. S. Inheritance in *Nicotiana tabacum*. XVI. Structural differences among the chromosomes of a selected group of varieties. Genetics 28: 525-532. Nov. 1943. 442.8 G28

- 4934 MOEWUS, FRANZ. Geisselbildung und beweglichkeit bei *Chlamydomonas*. Naturwissenschaften 31: 420. Aug. 1943. 474 N213

- 4935 \*\*MÜNTZING, A. Characteristics of two haploid twins in *Dactylis glomerata*. Hereditas 29: 134-140. 1943.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 260. Oct. 1943. 241 Im733

- 4936 \*\*O'DONELL, C. A., and RODRIGUEZ, J. M. Contribución al conocimiento histológico de la materia medica. Rev. Farm. [Buenos Aires] 84: 293-298. 1942.

Abs. in Biol. Abs. 17: 22495. Nov. 1943.

442.8 B526

- 4937 STUART, M. S., and EMSWELLER, S. L. Use of enzymes to improve cytological techniques. Science 98: 569-570. Dec. 24, 1943. 470 Sci2

Experiments with a tetraploid clone of *Lilium longiflorum*, several diploid forms of the same species and a triploid clone of *L. tigrinum* Ker Gawler.

- 4938 VAN FLEET, D. S. The enzymatic and vitagen properties of unsaturated fats as they influence the differentiation of certain plant tissues. Amer. Jour. Bot. 30: 678-685. Nov. 1943. 450 Am36

#### PLANT GENETICS

- 4939 BAIN, H. F. Cranberry tetraploids. Amer. Cranberry Growers' Assoc. Proc. An. Conv. 1943(74): 12-13, 16-17. 51 Am350

- 4940 DODDS, K. S. Genetical and cytological studies of *Musa*. V. Certain edible diploids. Jour. Genet. 45: 113-138. Oct. 1943. 442.8 J823

- 4941 \*\*EKLUNDH, C. Artkoreningar inom sl. Abies, Pseudotsuga, Picea, Larix, Pinus och Chamaecyparis, tillhörande fam. Pinaceae (Species crosses within the genera Abies, Pseudotsuga, Picea, Larix, Pinus and Chamaecyparis, belonging to the family Pinaceae). Svensk Papp Tidn. 46: 101-105, 130-133. 1943.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 367-369. Oct. 1, 1943. 241 Im73

- 4942 FÄRBERG, A. C. Genetics of the Scapiflora section of *Papaver*. II. The Alpine poppy [*P. alpinum*]. Jour. Genet. 45: 139-170. Oct. 1943. 442.8 J823



- 4943 GATES, R. R. Polyploidy in the potato. *Nature* [London] 152: 416-417. Oct. 9, 1943.
- 472 M21
- 4944 LEWIS, D. Physiology of incompatibility in plants. III. Autopolyploids. *Jour. Genet.* 45: 171-185. Oct. 1943. Ref. 442.8 J823
- 4945 LINDEGREN, C. C., and LINDEGREN, GERTRUDE. Segregation, mutation, and copulation in *Saccharomyces cerevisiae*. *Mo. Bot. Gard. Ann.* 30: 453-468. Nov. 1943. 451 M69
- 4946 LINDEGREN, C. C., and LINDEGREN, GERTRUDE. Selecting, inbreeding, recombining, and hybridizing commercial yeasts. *Jour. Bact.* 46: 405-419. Nov. 1943. 448.3 J82
- 4947 \*LÖVE, A., and LÖVE, DORIS. The significance of differences in the distribution of diploids and polyploids. *Hereditas* 29: 145-163. 1943.
- Abs. in *Imp. Bur. Pastures and Forage Crops Herbage Abs.* 13: 259. Oct. 1943. 241 Im733
- 4948 \*LYSENKO, T. D. Sushchnost' nasledstvennosti [The nature of heredity]. *Lenin Acad. Agr. Sci. U. S. S. R. Proc.* 7(11/12): 3-5. 1942.
- 4949 PANTULU, J. V. Further chromosome numbers in the *Caesalpiniaceae*. *Current Sci.* [India] 12: 274. Oct. 1943. 475 Sci23
- 4950 PUGSLEY, A. T., and PHIPPS, I. F. The combination of stem rust resistant genes from the wheats Eureka and Warigo. *Austral. Inst. Agr. Sci. Jour.* 9: 130-132. Sept. 1943. 23 Au74
- 4951 RICHMOND, T. R. Inheritance of green and brown lint in upland cotton [*Gossypium hirsutum*]. *Amer. Soc. Agron. Jour.* 35: 967-975. Nov. 1943. 4 Am34P
- 4952 RICK, C. M., and HANNA, G. C. Determination of sex in *Asparagus officinalis* L. *Amer. Jour. Bot.* 30: 711-714. Nov. 1943. 450 Am36
- Study of inheritance of sex in *Asparagus* and possible commercial use of findings.
- 4953 SHANK, D. B. Top-root ratios of inbred and hybrid maize. *Amer. Soc. Agron. Jour.* 35: 976-987. Nov. 1943. 4 Am34P
- 4954 STEVENSON, F. J. Potato breeding, genetics, and cytology; review of recent literature. *Amer. Potato Jour.* 20: 267-279. Nov. 1943. Ref., p. 278-279. 75.8 P842
- 4955 \*TOSUN, OSMAN. Bugday x Çavdar melezleri. Ankara. Yükek Ziraat Enstitüsü. Çalışmalarından, Sayı 139, 120 p. Ankara, 1943.
- German summary, p. 116-119, gives results of crosses of wheat and rye made in the attempt to obtain a hybrid with the baking qualities of wheat, and to prevent wheat fields being overrun with rye.

## PLANT PHYSIOLOGY AND BIOCHEMISTRY

## Plant Physiology

- 4956 ALLARD, HARRY. Length-of-day behavior of *Nicotiana glauca*. *Jour. Agr. Res.* 67: 459-464. Dec. 1, 1943. 1 Ag84J
- 4957 ALLEN, R. C. Influence of aluminum on the flower color of *Hydrangea macrophylla* D. C. *Boyce Thompson Inst. Contrib.* 13: 221-242. Oct./Dec. 1943. Ref., p. 241-242. 451 B69
- 4958 ARONOFF, S., and MACKINNEY, G. Pyrrole derivatives and iron chlorosis in plants. *Plant Physiol.* 18: 713-715. Oct. 1943. 450 P692
- The theory that pyrrole derivatives may replace iron in the synthesis of chlorophyll by green plants has not been confirmed.
- 4959 BARTHOLOMEW, E. T., SINCLAIR, W. B., and REELING, WALTER. Citrus fruit quality. *Citrus Leaves* 23(12): 14, 16. Dec. 1943. 80 0492
- Effect of rootstocks and of insecticides on juice quality of Valencia oranges studied at Citrus Experiment Station of University of California.

- 4960 BEARD, F. H. Root studies. X. The root-systems of hops on different soil types. *Jour. Pomol. and Hort. Sci.* 20: 147-154. Oct. 1943. 80 J825
- 4961 BEILMANN, A. F. Some hourly observations of tree growth. *Mo. Bot. Gard. Ann.* 30: 443-451. Nov. 1943. 451 M69
- 4962 BERRY, L. J., and HOYT, R. C. Stimulation of the onion root by alternating current. *Plant Physiol.* 18: 570-587. Oct. 1943. 450 P692
- 4963 BORDEN, R. J. Yield variations with special reference to border effects in field tests. *Hawaii. Planters' Rec.* 47: 195-203. 1943. 25 H311
- Results of sugarcane experiments at Waipio.
- 4964 BRENCHELEY, W. E. Minor elements of plant growth. *Cambridge Phil. Soc. Biol. Rev.* 18: 159-171. Oct. 1943. Ref., p. 169-171. 442.9 G14
- 4965 BRICKLEY, W. D. Diseased conditions in peas and potatoes associated with potash deficiency in south County Kildare. *Irish. Dept. Agr. Jour.* 11: 149-161. Mar. 1943. 10 Ir2J
- 4966 BRICKLEY, W. D. The efficiency of spray treatment for boron deficiency in sugar beet and swedes and for manganese deficiency in oats. *Irish. Dept. Agr. Jour.* 11: 144-148. Mar. 1943. 10 Ir2J
- 4967 BROWN, A. G. The order and period of blossoming in pear varieties. *Jour. Pomol. and Hort. Sci.* 20: 107-110. Oct. 1943. 80 J825
- 4968 BURKHART, LELAND. Firmness of strawberries as measured by a penetrometer. *Plant Physiol.* 18: 693-698. Oct. 1943. 450 P692
- 4969 \*BURSTRÖM, H. The influence of hetero-auxin on cell growth and root development. *Uppsala. Lantbrukshögsk. Ann.* 10: 209-240. 1942.
- Abs. in *Biol. Abs.* 17: 20748. Oct. 1943. 442.8 B526
- Experiments with wheat roots.
- 4970 \*BURSTRÖM, H. Studies on the carbohydrate nutrition of roots. *Uppsala. Lantbrukshögsk. Ann.* 9: 264-285. 1941.
- Abs. in *Biol. Abs.* 17: 20757. Oct. 1943. 442.8 B526
- Experiments with wheat and rye.
- 4971 CATCHESIDE, D. G., and LEA, D. E. The effect of ionization distribution on chromosome breakage by X-rays. *Jour. Genet.* 45: 186-196. Oct. 1943. 442.8 J823
- 4972 CHANDLER, R. C. Some chemical reactions in the sugar beet during phases of its development. *Jour. Agr. Res.* 67: 433-445. Dec. 1, 1943. 1 Ag84J
- 4973 CLEMENTS, H. F., and KUBOTA, T. The primary index, its meaning and application to crop management with special reference to sugar cane. *Hawaii. Planters' Rec.* 47: 257-297. 1943. 25 H311
- 4974 DE MEILLON, BOTHA, and MUSPRATT, J. Germination of the sporangia of *Coelomomyces Keilin*. *Nature* [London] 152: 507. Oct. 30, 1943. 472 N21
- Coelomomyces* occurring on mosquito larvae in Northern Rhodesia.
- 4975 DESHPANDE, B. B. A case of chlorophyll deficiency in safflower (*Carthamus tinctorius* L.). *Current Sci.* [India] 12: 273-274. Oct. 1943. 475 Sci23
- 4976 DUGGAN, J. B. A promising attempt to cure chlorosis, due to manganese deficiency, in a commercial cherry orchard. *Mycologia* 20: 69-79. Oct. 1943. 80 J826
- 4977 DUNLAP, A. A. Low light intensity and cotton boll-shedding. *Science* 98: 568-569. Dec. 24, 1943. 470 Sci2
- Undue shedding of fruiting forms often caused by interruptions in the high sunlight intensities.
- 4978 EATON, F. M. The osmotic and vitalistic interpretations of exudation. *Amer. Jour. Bot.* 30: 663-674. Nov. 1943. Ref., p. 673-674. 450 Am36



- 4979 FOSTER, M. B. A step ahead of Mother Nature. Natl. Hort. Mag. 22: 127-129. Oct. 1943. 80 N216
- Forcing pineapple blooms by use of ethylene gas found to be important in the culture and breeding of pineapples and other bromeliads.
- 4980 FRICKE, E. F. Pasture establishment on ironstone soil at Cressy. Molybdenum deficiency. Tasmanian Jour. Agr. 14: 69-73. Aug. 1943. 23 T182T
- Application of molybdenum showed definite response.
- 4981 GOODALL, D. W. Studies in the diagnosis of mineral deficiency. Jour. Pomol. and Hort. Sci. 20: 136-143. Oct. 1943. 80 J825
- 4982 GUSTAFSON, F. G. Decomposition of the leaves of some forest trees under field conditions. Plant Physiol. 18: 704-707. Oct. 1943. 450 P692
- Rate of decay varies in different kinds of leaves.
- 4983 H., J. M. How plant hormones were discovered. Citrus Grower, No. 116, p. 1-3; No. 117, p. 2-3. Sept. 29, Oct. 28, 1943. 80 C495
- Title of second article in series: How the plant hormones are trapped.
- 4984 HAYWARD, H. E., and LONG, E. M. Some effects of sodium salts on the growth of the tomato. Plant Physiol. 18: 566-569. Oct. 1943. 450 P692
- Sodium chloride and sodium sulfate supplied together in different proportions and at several levels of total concentration.
- 4985 HINZE, P. H., and APPLEMAN, C. O. A biochemical study of curing processes in sweet potatoes. Plant Physiol. 18: 548-555. Oct. 1943. 450 P692
- A study of the nitrogen metabolism and the pectic transformations in Maryland Golden sweetpotatoes.
- 4986 JOHNSON, L. P. V. The storage and artificial germination of forest tree pollens. Canad. Jour. Res. Sect. C, Bot. Sci. 21: 332-342. Nov. 1943. 470 C16D
- 4987 KENT, N. L. Some characteristics of barley. Milling 101: 240-242, 245. Nov. 13, 1943. 298.8 M622
- 4988 LAMBERTS, W. E. Effect of photoperiod and temperature on growth of embryo-cultured peach seedlings. Amer. Jour. Bot. 30: 707-714. Nov. 1943. 450 Am36
- 4989 LONNQUIST, J. H., and JUCKENHEIMER, R. W. Factors affecting the success of pollination in corn. Amer. Soc. Agron. Jour. 35: 923-933. Nov. 1943. 4 Am34P
- 4990 LOO, S. W., and WANG, F. H. The culture of young conifer embryos in vitro. Science 98: 544. Dec. 17, 1943. 470 Sci2
- 4991 McALLAN, S. E. A. Empirical probit weights for dosage-response curves of greenhouse tomato foliage diseases. Boyce Thompson Inst. Contrib. 13: 177-183. Oct./Dec. 1943. 451 B69
- 4992 McCANN, C. The flowering of *Strobilanthes callosus* Nees. Bombay Nat. Hist. Soc. Jour. 44: 73-77. Aug. 1943. 513 B63
- 4993 McCREARY, C. W. R., and others. The root system of cacao. Results of some preliminary investigations in Trinidad. Trop. Agr. [Trinidad] 20: 207-220. Nov. 1943. 26 T754
- J. A. McDonald, V. I. Malloon, and Frederick Hardy, joint authors.
- 4994 MacDOUGAL, D. T. The effects of girdling on pines [*Pinus radiata*]. Amer. Jour. Bot. 30: 715-719. Nov. 1943. 450 Am36
- 4995 MARTIN, EMMETT. Studies of evaporation and transpiration under controlled conditions. Carnegie Inst. Wash. Pub. 550, 48 p., processed. Washington, 1943. Ref., p. 47-48. 463.32 M36
- Experiments in the correlation between air temperature, relative humidity, and transpiration rate of plants.
- 4996 NEISH, A. C., and HIBBERT, HAROLD. Studies on plant tumors. II-III. Arch. Biochem. [N. Y.] 3: 141-157, 159-166. Dec. 1943. 381 Ar2
- II. Carbohydrate metabolism of normal and tumor tissues of beet root. III. Nitrogen metabolism of normal and tumor beet root tissues.
- 4997 NELSON, R. C., HAMM, P. C., and TSIANG, Y. S. Spectrographic analysis of plant ash for several elements simultaneously. Plant Physiol. 18: 699-703. Oct. 1943. 450 P692
- 4998 NÉMEC, ANTONIN. Nutritional disturbances in deciduous trees growing on the bog ore soils of the Gross-Skal region. Ceskoslov. Akad. Zeměděl. Sborn. (Ann.) 15: 358-364. 1940.
- Abs. in Chem. Abs. 37: 6305. Nov. 10, 1943. 381 Am33C
- 4999 OTT, A. C. Some components of the seed coats of the common bean, *Phaseolus vulgaris*, and their relation to water retention. Arch. Biochem. [N. Y.] 3: 189-192. Dec. 1943. 381 Ar2
- 5000 PEARCE, S. C. The statistical interpretation of vigour measurements of fruit trees. Jour. Pomol. and Hort. Sci. 20: 111-115. Oct. 1943. 80 J825
- 5001 PFEIFFER, H. H. Messungen der polarisationsoptischen temperaturabhängigkeit an pflanzlichen chloroplasten. Naturwissenschaften 31: 418-419. Aug. 27, 1943. 474 N213
- 5002 PLATENIUS, HANS. Effect of oxygen concentration on the respiration of some vegetables. Plant Physiol. 18: 671-684. Oct. 1943. 450 P692
- 5003 RALEIGH, G. J. The germination of dormant lettuce seed. Science 98: 538. Dec. 17, 1943. 470 Sci2
- 5004 RAWITSCHER, FELIX. Algumas notas sobre a transpiração e o balanço d'água de plantas brasileiras. Acad. Brasil. Cien. Anais 14: 17-36. Mar. 31, 1942. Ref., p. 34-35. Smithson. Libr. English summary.
- 5005 RIBEIRO, OSCAR. Efeito das radiações ultra-violeta e infravermelha sobre as sementes do café. Brazil. Min. da Agr. Bol. 32(1): 52-57. Jan. 1943. 9.2 Ag83
- 5006 ROSENN, H. F. Quantitative measurement of the velocity of water absorption in individual root hairs by a microtechnique. Plant Physiol. 18: 588-607. Oct. 1943. 450 P692
- 5007 \*\*SCHNEUBERT, A., and RESCHKE, J. Vitamin C studies on apples and white cabbage. II. Kältetechn. Anz. 15: 94-95. 1940.
- Abs. in Chem. Abs. 37: 6302. Nov. 10, 1943. 381 Am33C
- 5008 \*\*SHYBOLD, A. Die blattfarbstoffe und ihre physiologische bedeutung. Umschau in Wissenschaft u. Technik 47: 189-191. July 1943.
- 5009 SIDERIS, C. P., YOUNG, H. Y., and KRAUSS, B. H. Effects of iron on the growth and ash constituents of *Ananas comosus* (L.) Merr. Plant Physiol. 18: 608-632. Oct. 1943. 450 P692
- 5010 SINHA, A. C., and VIVIAN, M. C. Studies on the vegetative propagation of fruit tree rootstocks. Jour. Pomol. and Hort. Sci. 20: 127-135. Oct. 1943. 80 J825
- 5011 SOUTHWICK, F. W., and SMOCK, R. M. Lengthening the storage life of apples by removal of volatile materials from the storage atmosphere. Plant Physiol. 18: 716-717. Oct. 1943. 450 P692
- 5012 \*\*STECHE, H. Effect of increasing applications of nutrients on quality and nutrient balance of *Chrysanthemum indicum*. Bodenk. u. Pflanzenernähr. 24: 65-86. 1941.
- Abs. in Brit. Chem. and Physiol. Abs. B, 3: 237. Oct. 1943. 382 B773
- 5013 STOUTEMYER, V. T., HOPE, CLAUDE, and CLOSE, ALBERT. Sphagnum moss as a seedling medium. Natl. Hort. Mag. 22: 170-174. Oct. 1943. 80 N216



5014 SULLIVAN, J. T., and SPRAGUE, V. G. Composition of the roots and stubble of perennial ryegrass following partial defoliation. *Plant Physiol.* 18: 666-670. Oct. 1943. 450 P692

5015 THAYSEN, A. C., and MORRIS, MURIEL. Preparation of a giant strain of *Torulopsis utilis*. *Nature [London]* 152: 526-528. Nov. 6, 1943. 472 N21

Effect of camphor on the cells resulted in a permanent increase in their volume. The new strain is designated *T. utilis* var. *major*.

5016 VLAMIS, J., and DAVIS, A. E. Germination, growth, and respiration of rice and barley seedlings at low oxygen pressures. *Plant Physiol.* 18: 685-692. Oct. 1943. 450 P682

5017 WALLACE, THOMAS, and OGILVIE, LAWRENCE. Manganese deficiency of agricultural and horticultural crops. Summary of investigations, season 1941. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 45-48. 84 B77

5018 WRIGHT, K. E. Internal precipitation of phosphorus in relation to aluminum toxicity. *Plant Physiol.* 18: 708-712. Oct. 1943. 450 P692

Experiments show that internal precipitation of phosphorus by aluminum evidently plays an important role in the poor development of plants grown in contact with aluminum.

5019 WYSS, ORVILLE, LILLY, V. G., and LEONIAN, L. H. The effect of pH on the availability of p-aminobenzoic acid to *Neurospora crassa*. *Science* 99: 18-19. Jan. 7, 1944. 470 S012

#### Biochemistry

5020 ANDERSON, J. A., and EVA, W. J. Starch content of western Canadian wheat. II. Its estimation from protein content, and some estimated data. *Canad. Jour. Res. Sect. C, Bot. Sci.* 21: 323-331. Nov. 1943. 470 C16CD

5021 HARTT, C. E. The synthesis of sucrose in the sugar cane plant. III. The effects of specific inhibitors upon the interconversion of glucose and fructose and the formation of sucrose in detached blades of the sugar cane plant. *Hawaii. Planters' Rec.* 47: 223-255. 1943. 25 H311

5022 \*\*KOBELIC, JOSEF. The composition of wild strawberry leaves (*Fragaria vesca* L.) and their importance as a substitute for tea. *Ceskoslov. Akad. Zemedl. Sborn. (Ann.)* 15: 342-350. 1940.

Abs. in *Chem. Abs.* 37: 6365. Nov. 10, 1943. 381 Am33C

5023 LEE, S. B., and WILSON, P. W. Hydrogenase and nitrogen fixation by *Azotobacter*. *Jour. Biol. Chem.* 151: 377-385. Dec. 1943. 381 J824

5024 LEVI, IRVING, MICHAELIS, MORITZ, and HIBBERT, HAROLD. Studies on plant tumors. IV. Oxidases in normal and tumor beet root tissue. *Arch. Biochem. [N. Y.]* 3: 167-174. Dec. 1943. 381 Ar2

5025 MEHTA, C. R., and MEHTA, T. P. Baicalein from the seeds of *Oroxylum indicum* Vent. *Current Sci. [India]* 12: 274-275. Oct. 1943. 475 Sc123

5026 PEPEKOWITZ, L. P. The rapid determination of ascorbic acid by the adaptation of Stotz's method to plant materials. *Jour. Biol. Chem.* 151: 405-412. Dec. 1943. 381 J824

5027 POLLARD, ALFRED. Note on the effect of manurial treatments on the carotene content of carrot roots. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 32. 84 B77

5028 RAO, P. S., and SESHADRI, T. R. Isolation of hibiscitrin from the flowers of *Hibiscus sabdariffa*; constitution of hibiscetin. *Indian Acad. Sci. Proc. Sect. A*, 15: 145-153. Mar. 1942. 513 In25

Method of distinguishing *H. cannabinus* and *H. sabdariffa*.

5029 RAO, P. S. Occurrence of luteolin in the flowers of *Chrysanthemum indicum*. *Indian Acad. Sci. Proc. Sect. A*, 15: 123-127. Feb. 1942. 513 In25

5030 RAO, P. S., and SESHADRI, T. R. Pigments of the flowers of *Hibiscus sabdariffa*. Isolation of sabdaretin, a new hydroxyflavone. *Indian Acad. Sci. Proc. Sect. A*, 16: 323-327. Nov. 1942. 513 In25

5031 \*\*ROACH, W. A. Diagnosis of mineral deficiency by plant analysis and plant injection. *Occ. Publ. Sci. Hort.* 1943, No. 4, p. 40-41.

Abs. in *Brit. Chem. and Physiol. Abs. B*, 3: 231. Oct. 1943. 382 B773

5032 SCRIPTURE, P. N., and McHARGUE, J. S. Effect of boron deficiency on the soluble nitrogen and carbohydrate content of alfalfa. *Amer. Soc. Agron. Jour.* 35: 988-992. Nov. 1943. 4 Am34P

5033 SILLS, V. E. Investigations on the use of rose-hips as a source of vitamin C. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 110-117. 84 B77

I. A review of the existing literature.

5034 STITT, R. E. Variation in tannin content of clonal and open-pollinated lines of perennial lespedeza. *Amer. Soc. Agron. Jour.* 35: 944-954. Nov. 1943. 4 Am34P

5035 STUART, N. W., and BRIMHALL, BERNADINE. Starch from Easter lily bulbs. *Cereal Chem.* 20: 734-739. Nov. 1943. 59.8 C33

5036 THOMAS, P. T., and DREW, R. Chemical control of mitosis. *Nature [London]* 152: 564-565. Nov. 13, 1943. 472 N21

5037 THORNTON, N. C. Carbon dioxide storage. XIV. The influence of carbon dioxide, oxygen and ethylene on the vitamin C content of ripening bananas. *Boyce Thompson Inst. Contrib.* 13: 201-220. Oct./Dec. 1943. 451 B69

5038 TINCKER, M. A. H. The use of plant growth substances. *Pharm. Jour. [London]* 151: 192-193. Nov. 20, 1943. 396.8 P49

5039 WALLACE, THOMAS, JONES, J. O., and PLANT, WILLIAM. Note on the composition of potato haulm from manurial treatments D, E, F, H. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 39. 84 B77

5040 WALLACE, THOMAS, JONES, J. O., and PLANT, WILLIAM. A note on the effects of farmyard manure and of various fertiliser treatments on the content of ash and mineral constituents of ash in the carrot crop. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 40-44. 84 B77

#### SILVICULTURE

5041 BULL, HENRY, and MUETZ, H. E. Planting cottonwood on bottomlands. *Miss. Farm Res.* 6(12): 3-5. Dec. 1943. 100 M69M1

*Populus deltoides virginiana*.

5042 CLARK-BUTLER-COLE, R. F. Forest farming (tannin plantations) in Benin [Nigeria]. *Farm and Forest* 4: 103-115. Sept. 1943. 24 F226

5043 COOKE, G. B., and SCHEIDT, C. F., JR. South Carolina plants cork. *Crown* 32(12): 15, 22, 26. Dec. 1943. 389.8 C88

Account of cork oak planting project in 1942 and 1943.

5044 FOGGIE, A. Report of conference on the ecological principles involved in the practice of forestry. *Scott. Forestry Jour.* 57: 46-49. Aug. 1943. 99.9 R81F

Brief résumés of the four main papers and general discussion to which the one-day meeting was devoted.

5045 HAWLEY, R. C., and LUTZ, H. J. Establishment, development, and management of conifer plantations in the Eli Whitney Forest, New Haven, Connecticut. *Yale Univ. School Forestry. Bul.* 53, 81 p. New Haven, Conn., 1943. 99.9 Y1B



- 5046 MEYER, H. A., and STEVENSON, D. D. The structure and growth of virgin beech-birch-maple-hemlock forests in northern Pennsylvania. Jour. Agr. Res. 67: 465-484. Dec. 15, 1943. 1 Ag84J
- 5047 MILLER, H. W., and LEMMON, P. E. Processing cones of ponderosa pine to extract, dewing, and clean the seed. Jour. Forestry 41: 889-897. Dec. 1943. 99.8 F768
- 5048 MULLOY, G. A. Growth of red pine plantations under management. Canada. Forest Serv. Silvica. Leaflet 17, 2 p., processed. Ottawa, 1943. 99.9 C168
- Pinus resinosa.*
- 5049 PEARSON, G. A. How local is silviculture? Jour. Forestry 41: 917-919. Dec. 1943. 99.8 F768
- 5050 \*REMEZOV, N. P., and SMARAGDOV, D. H. Complex solution of the problem of the afforestation of steppes. Pochvovedenie (Pedology) 1943, No. 3, p.34-40.

In Russian, with English summary.

#### FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

##### General

- 5051 BRADY, J. J. Soil fertility and crop rotation. Fire. Dept. Agr. Jour. 11: 134-137. Mar. 1943. 10 Ir2J
- 5052 FERRIS, E. B. Lespedeza-cotton 4-year rotation at Holly Springs. Miss. Farm Res. 6(11): 6. Nov. 1943. 100 M69M1
- 5053 GORMAN, M. J. Making and breaking pastures. Fire. Dept. Agr. Jour. 11: 221-225. Mar. 1943. 10 Ir2J
- 5054 McCALL, M. A. Technical advances as they affect crop certification. Mod. Miller 70(51): 15-16. Dec. 18, 1943. 298.8 M72

##### Cereals

- 5055 ANDERSON, EDGAR. A variety of maize from the Rio Loa in northern Chile. Mo. Bot. Gard. Ann. 30: 469-474. Nov. 1943. 451 M69
- 5056 BORGESON, CARL. Methods of detasseling and yield of hybrid seed corn. Amer. Soc. Agron. Jour. 35: 919-922. Nov. 1943. 4 Am34P
- 5057 BORGESON, CARL. Newthatch wheat to be distributed. Minn. Seed Grower 19, 1. e. 16(6): 1-2. Dec. 1943. 61.8 M66
- 5058 RUSSELL, F. P. Home grown seed oats and barley. Rensselaer Co. [N. Y.] Farm Bur. News 20(9): 3. Dec. 1943. 275.293 N. Y., Rensselaer Co.
- 5059 BUTLER, EUGENE. The Rosses - their corn crops. Prog. Farmer, Tex. Ed. 59(1): 11. Jan. 1944. 6 T311
- 5060 CAFFEY, M. Barley. Fire. Dept. Agr. Jour. 11: 31-44. Mar. 1943. 10 Ir2J
- 5061 DIAS, B. P. O melhoramento do milho. Rev. Agron. [Porto Alegre, Brasil] 7: 424-427. Aug. 1943. 9.2 R325
- Selection and breeding of corn.
- 5062 FERRIS, E. B., and COLEMAN, RUSSELL. Increased yields of corn made by use of Crotalaria. Miss. Farm Res. 6(12): 7-8. Dec. 1943. 100 M69M1
- 5063 LEONARD, E. H. Progress in wheat improvement in the Pacific Northwest. Assoc. Oper. Millers Bul., Dec. 1943, p. 1320. 298.9 As7
- 5064 LISBOA, ABDENAGO. Cultura racional do milho. Brasil. Min. da Agr. Bol. 31(10): 37-58. Oct. 1942. 9.2 Ag83
- 5065 MACKIE, W. V. Rice in the Imperial Valley. Rice Jour. 46(11): 5-6. Nov. 1943. 59.8 R36
- 5066 MILLER, E. A. Plant hybrid corn for greater yields. Tex. Livestock Jour. 2(11): 10. Nov. 15, 1943. 49 T29

- 5067 POOLE, C. F., and GRIMBALL, F. C. A hey-day for corn-on-the-cobbers. South. Seedsman 6(12): 11, 50. Dec. 1943. 61.8 So8
- Four new varieties, Kiawah, Edisto, Wappoo, and Carowa, show promise against earworms, *Pyrausta nubilalis*.
- 5068 PUTNAM, H. O. Barley an important crop. Minn. Seed Grower 19, 1. e. 16(6): 4-5. Dec. 1943. 61.8 M66
- 5069 ROGERS, J. S., and McDOWELL, C. H. Results in 1943 with hybrid corn. Grain & Feed Jour. Consolidated 91: 477. Dec. 8, 1943. 298.8 G762
- 5070 SCHULTZ, E. F. Las próximas siembras del arroz con especial referencia a la enfermedad de la "brusone" ("Piricularia oryzae"). Tucumán Estac. Expt. Agr. Cir. 118, 3 p. 1943. 102.5 T79
- 5071 SWANSON, C. O. Effects of moisture on the physical and other properties of wheat. IV. Exposure of five varieties to light rains during harvest. Cereal Chem. 20: 703-714. Nov. 1943. 59.8 C33

#### Fiber Crops

- 5072 HUTCHINSON, J. B., and MANNING, H. L. The efficiency of progeny-row-breeding in cotton improvement. Empire Jour. Expt. Agr. 11: 140-154. July-Oct. 1943. 10 Em7
- 5073 IYENGAR, R. L. N. Variation in the measurable characters of cotton fibres: a note on the variation between first and second flush of bolls. Current Sci. [India] 12: 273. Oct. 1943. 475 Sci23
- 5074 MARRIOTT, S. Breeding jassid-resistant cotton varieties. Queensland Agr. Jour. 57: 204-206. Oct. 1, 1943. 23 Q33
- 5075 PEREZ, E. C. El cultivo de la rosella y la preparación de su fibra. Sisal de Yucatán 4(46): 6-7. Oct. 31, 1943. 73.8 S183

#### Forage Crops and Grasses

- 5076 ANDRADE, B. M. Feno e fenação. V. Forrageiras para fenação. Rev. dos Criadores 14(13): 37-40. Sept. 1943. 43.8 R32
- 5077 BRACKEN, L. O. Income from idle hill-sides by planting kudzu and lespedeza. Country Gent. 114(1): 23, 54-55. Jan. 1944. 6 C883
- 5078 CHAMBERLAIN, H. DE O. Lucerne on sand country. New Zeal. Jour. Agr. 67: 273, 275. Oct. 15, 1943. 23 N45J
- 5079 \*CHEPIKOVA, A. O vremeni otmiraniia kornevoi sistemy mnogoletnikh trav [On the time of dying out of the root system of perennial herbs]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 28-29. 1942.
- Timothy and oatgrass.
- 5080 DINSMORE, WAYNE. Prepare now for 1944 pastures. Cattleman 30(7): 104-105. Dec. 1943. 49 C29
- Results of experiments in improvement of grasslands at Illinois Agricultural Experiment Station.
- 5081 DOUGLAS, VOLNEY. Planting grass for profit. Sheep and Goat Raisers' Mag. 24(3): 76. Dec. 1943. 45.8 Sh3
- 5082 FRANCIS, W. D. Edible trees and shrubs. 2. Broad-leaved Sally Wattle [*Acacia implexa*]. Queensland Agr. Jour. 57: 214. Oct. 1, 1943. 23 Q33
- 5083 HAYES, H. K., and SCHMID, A. R. Selection in self-pollinated lines of *Bromus inermis* Leyss., *Festuca elatior* L., and *Dactylis glomerata* L. Amer. Soc. Agron. Jour. 35: 934-943. Nov. 1943. 4 Am34P
- 5084 HUGH, B. L. Clovers on the highway. Amer. Bee Jour. 83: 462. Dec. 1943. 424.8 Am3
- 5085 HUTCHESON, T. B. Pasturage - the cheapest source of feed. South. Planter 104(12): 12-13. Dec. 1943. 6 So89



5086 \*KANSU, SEDAT. Ankara civarında yetiştirilen bazı mülhim step nebatlarının hayvan tegdiyesi bakımından ehemmiyetleri. Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 131, 184 p. Ankara, 1943.

German summary, p. 126-130, gives analysis of seven plants of the Anatolian steppe suitable for sheep grazing.

5087 KATZ, CARLOS. Estudio de praderas y potreros en la ganadería Ecuatoriana. (Concl.) Ecuador. Cám. de Agr. de la Primera Zona. Rev. 6: 620-659. May/June 1943. 9.5 Ec96

5088 LUTHRA, J. C. An easy test for berseem seed. Indian Farming 4: 194-195. Apr. 1943. 22 In283

Egyptian clover (*Trifolium alexandrinum*).

5089 \*\*NILSSON-LEISSNER, G. Försök med fodermalva. Experiments with fodder mallow, *Malva verticillata*. Svenska Vall- och Mosskult. Kvartalskr. 4: 362-364. 1942.

Abs. in Imp. Bur. Pastures and Forage Crops Herbage Abs. 13: 207. Oct. 1943. 241 Im733

5090 RUYAN, CLIFF. Grass culture and weed control. Parks & Recreation 26: 371-374. Nov./Dec. 1943. 98.8 P23

5091 SKESMITH, J. J., and FRYER, J. R. Studies relating to fertility in alfalfa (*Medicago sativa* L.). II. Temperature effect on pollen tube growth. Sci. Agr. 24: 145-151. Nov. 1943. 7 Sci2

5092 URQUIZU VILLALBA, ROBERTO. Gandul. Vaqueros 3(10): 14-15. Oct. 1943. 43.8 V41  
Pigeon pea, as feed in Cuba.

5093 VAN ALSTINE, E. More legumes and better timothy. Otsego Co. [N. Y.] Farm and Home Bur. News 27(11): 6. Nov. 1943. 275.293 N. Y., Otsego Co.

5094 WEBB, C. G. The development of Mallee pastures. Investigations at the Mallee Research Station, Walpeup. Victoria. Dept. Agr. Jour. 41: 473-476. Oct. 1943. 23 V66J

#### Oil Crops

5095 JACKLIN, A. W. There's a future for soybeans in the State of Washington. Soybean Digest 4(2): 6, 12. Dec. 1943. 60.38 So9

5096 RAW, A. R. The soya bean. Victoria Dept. Agr. Jour. 41: 477-480. Oct. 1943. 23 V66J

5097 \*\*TRNKA, RUDOLF, FRANTEK, VLADIMIR, and PRASKAC, LADISLAV. The effect of trace elements on the development of plants. I. Research on the La Plata species of oil flax. Českoslov. Akad. Zeměděl. Sborn. (Ann.) 17: 17-22. 1942.

Abs. in Chem. Abs. 37: 6307. Nov. 10, 1943. 381 Am33C

#### Sugar Crops

5098 ASHLEY, T. M. Rates of planting sugarcane for sirup production. Miss. Farm Res. 6(11): 6. Nov. 1943. 100 M69M1

5099 CAMINHA, FILHO, ADRIÃO. Variedades de cana de açúcar cultivadas na Baía. Brasil Açucareiro 22: 46-50. July 1943. 65.8 B73

5100 CHATTERJI, S. N. Sugarcane in Bengal. Indian Farming 4: 132-133. Mar. 1943. 22 In283  
History of sugarcane in Bengal, and discussion of strains planted.

5101 CLYDESDALE, C. S. Saccharine sorghums. Queensland Agr. Jour. 57: 197-201. Oct. 1, 1943. 23 Q33

5102 CROSS, W. E. Como obtener máximos rendimientos con las cañas atacadas por el "carbon." Tucumán Estac. Expt. Agr. Bol. 42, 8 p. Sept. 1943. 102.5 T79B

5103 GLAVIN, J. J. Sugar beet growing. Fire. Dept. Agr. Jour. 11: 123-128. Mar. 1943. 10 Ir2J

5104 PIODA, P. L. Success with segmented seed. Spreckels Sugar Beet Bul. 7: 57. Dec. 1943. 66.8 Sp7

5105 \*VLASIUK, P. A. Fiziologicheskoe znachenie mikroelementov margantsa i bora dlia rosta i produktivnosti svaklovichnykh vysadkov. Physiological importance of trace-elements - manganese and boron for the growth and yield of seed beets. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 11-14. 1942.

Deals with sugar beet.

5106 WRIGHT, G. P. Climate, farming practices, and yields. A discussion of sugar beet production in coastal and interior areas of California. Spreckels Sugar Beet Bul. 7: 55, 58. Dec. 1943. 66.8 Sp7

#### Tobacco

5107 HUNT, RUSSELL. Time to take stock. Prog. Farmer, Ky.-Tenn. Ed. 58(12): 14, 47. Dec. 1943. 6 P945K

To protect tobacco crops from diseases.

5108 \*PETRUSHININ, K. V. Vliianie sootnosheniia komponentov mineral'nogo pitaniia na nakoplenie nikotina v makhorke. The influence of the ration of mineral nutrition components on the accumulation of nicotine in makhorke. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 15-16. 1942.

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

5109 AIKMAN, J. M. Hillside culture of fruits. Iowa Fruit Growers' Assoc. Proc. 31. In Iowa State Hort. Soc. Trans. (1942) 77: 91-101. 81 Io5

5110 CROIZAT, LEON. Observe natural forms in pruning. Amer. Nurseryman 79(1): 5-8. Jan. 1, 1944. 80 Am371

5111 FARMER, L. J. Provide winter care for plants. Better Farms 4(13): 2, 11. Dec. 1, 1943. 6 B462

Small and deciduous fruits, and ornamentals.

5112 FAULKNER, R. P. Best fruits for very small gardens. Pop. Gard. 45: 342. Dec. 18, 1943. 80 G1622

Deciduous and small fruit varieties.

5113 FIRESTONE, R. A. "What we did at Firestone." Practical advice on industrial gardens which should be applied the country over. Seed World 54(11): 34-35. Dec. 3, 1943. 61.8 Se52

5114 LANTZ, H. L. The performance of some new varieties since the November freeze of 1940. Iowa Fruit Growers' Assoc. Proc. 31. In Iowa State Hort. Soc. Trans. (1942) 77: 69-76. 81 Io9

Deciduous and small fruits.

5115 LAURIE, ALAN. The educated Victory garden. Home Gard. [N. Y.] 2(6): 18-20. Dec. 1943. 80 H756

5116 BAEMLOW, H. J. A history of seventy-five years of service by the Wisconsin State Horticultural Society. Wis. Hort., v. 34, No. 3, 81 p. Madison, Nov. 1943. 80 W752

5117 ROCKWELL, F. F. The newer annuals, together with a selection of the newer vegetables to try in your 1944 Victory gardens. House & Gard. Greenwich, Conn., 85(1): 24-25, 74-76. Jan. 1944. 80 H81

5118 RUSH, GEORGE. Victory gardens. Canad. Hort. and Home Mag. Floral Ed. 66: 206. Nov./Dec. 1943. 80 C16F

5119 SMITH, R. W. The fall vegetable garden. Organic Gard. 3(3): 16-19. Aug. 1943. 56.8 Or3  
Includes fruit.



- 5120 TOMALIN, T. E. How to prune and train fruit trees. *Pop. Gard.* 45: 303. Nov. 13, 1943. 80 G1622
- 5121 TUKEY, H. B. New fruit varieties. Part 2. *Rural New Yorker* 102: 596. Dec. 11, 1943. 6 R88

#### Citrus and Subtropical Fruits

- 5122 ARMAND, L. M. Cultivo del cherimoyo. *Pampa Argentina* 17(194): 18. Oct. 1943. 9 P19
- Annona cherimola.*
- 5123 RAJWA, B. S., and RAM, ANOLAK. Sunburn of Malta and Sangtra oranges. *Indian Farming* 4: 182-183. Apr. 1943. 22 In283
- Statistics on protection against sunburn by planting *Sesbania egyptica*.
- 5124 LAL SINGH, and KHAN, A. A. Mango budding in situ. *Indian Farming* 4: 199-201. Apr. 1943. 22 In283
- 5125 MILLER, J. C. Correcting fire or frost damage [to avocado and citrus orchards]. *Calif. Cult.* 90: 630. Dec. 11, 1943. 6 C12
- 5126 SMOYER, K. M. On citrus pruning. *Pacific Rural Press [South. Ed.]* 146: 334. Dec. 25, 1943. 6 P112A

#### Deciduous Fruits

- 5127 BERRY, W. E., and SWARBRICK, THOMAS. The influence of alpha-naphthalene acetic acid sprays on the pre-harvest drop of apples under different systems of pruning. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 19-22. 84 B77
- 5128 BLAIR, D. S. Pruning apple trees in early winter. A hazardous orchard practice. *Canad. Hort. and Home Mag. Growers Ed.* 66: 201-202. Nov./Dec. 1943. 80 C16
- 5129 BLAKE, M. A. Brief plain facts about some peach varieties. *N. J. State Hort. Soc. News* 24: 1532-1533. Nov. 1943. 81 M46
- 5130 BLAKE, M. A. Treatment of [apple and peach] orchards injured by drought in 1943. *N. J. State Hort. Soc. News* 24: 1531, 1536. Nov. 1943. 81 M46
- 5131 BOWMAN, F. T. Root types among apple clones raised from root cuttings. *Austral. Inst. Agr. Sci. Jour.* 9: 127-129. Sept. 1943. 23 Au74
- 5132 BUSE, R. G. W. Orchard overcrowding. Thinning out means easier working and more fruit. *Farmers Weekly [London]* 19(24): 28. Dec. 10, 1943. 10 F2226
- 5133 CARNEVALE, J. A. El cuidado de los frutales. (Concl.) *Pampa Argentina* 17(193): 6; (194): 3. Sept., Oct. 1943. 9 P19
- VIII. Práticas que favorecen el desenvolvimiento y la producción [windbreaks, thinning, harvesting].
- 5134 CARVALHO, J. H. DE. Porque desapareceram os marmelos? *Rev. Agron. [Porto Alegre, Brasil]* 7: 370-374; 431-488. July, Aug. 1943. 9.2 R325
- Quince affected by *Entomosporium maculatum*.
- 5135 FLETCHER, G. Fruit trees that do well in northern gardens. First-rate cooking apples. *Pop. Gard.* 45: 302. Nov. 13, 1943. 80 G1622
- 5136 MANEY, T. J. A carload of apples to the acre. *Iowa Fruit Growers' Assoc. Proc.* 31. In *Iowa State Hort. Soc. Trans.* (1942) 77: 101-103. 81 Io9
- Hawkeye Greening variety discussed.
- 5137 NICHOLS, E. E. What the 1942 season taught us about budding apple trees. *Iowa Fruit Growers' Assoc. Proc.* 31. In *Iowa State Hort. Soc. Trans.* (1942) 77: 82-88. 81 Io9
- 5138 OVERHOLSER, E. L., OVERLEY, F. L., and CLOHE, W. J. Tree fruits for the home gardener in eastern Washington. *Arboretum Bul.* 6(5): 10-12, 24, 26, 28. Sept. 1943. 451 Ar1

- 5139 SHEWELL-COOPER, W. E. Treatment of canker in the [apple] orchard. *Field* 182: 620. Dec. 11, 1943. 10 F45

#### Cankers arising from injuries.

- 5140 SUDDS, R. H., and MARSH, R. S. If you must plant peaches, use contours. *Mountaineer Grower* 14(149): 9, 11. Dec. 1943. 80 M86
- 5141 SWARBRICK, THOMAS. A trial of cider apple varieties grown as bush trees upon crab and vegetatively raised rootstocks. Progress report 1935-1941. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 11-18. 84 B77
- 5142 TUCKER, D. A. Pruning fruit trees. *Va. Fruit* 31(12): 12, 14. Dec. 1943. 81 V81B
- 5143 TYDEMAN, H. M. Further studies on new varieties of apple rootstocks. *Jour. Pomol. and Hort. Sci.* 20: 116-126. Oct. 1943. 80 J825
- 5144 UPSHALL, W. H. Malling I and II as rootstocks for five apple varieties. *Canad. Hort. and Home Mag. Growers Ed.* 66: 205. Nov./Dec. 1943. 80 C16
- 5145 WOODWARD, H. R. The Hurley fruit farm a matter of historical significance. (To be cont.) *N. and S. Dak. Hort.* 16: 136, 138. Dec. 1943. 81 M817
- The largest single attempt toward a commercial apple orchard ever undertaken in South Dakota, as well as an experimental project of first magnitude.

#### Nuts

- 5146 DRAKE, W. F. Budding black walnut trees in summer. *Iowa Nut Growers' Assoc. Proc.* 3. In *Iowa State Hort. Soc. Trans.* (1942) 77: 163-164. 81 Io9
- 5147 ROHRBACHER, W. M. The black walnut. *Iowa Fruit Growers' Assoc. Proc.* 31. In *Iowa State Hort. Soc. Trans.* (1942) 77: 77-82. 81 Io9
- 5148 SMITH, J. R. Exploring the shagbark species [*Carya ovata*]. *Forest Leaves* 33(4/5): 11, 15. July/Oct. 1943. 99.6 F763
- 5149 SNYDER, D. C. Top working black walnuts around the home. *Iowa Fruit Growers' Assoc. Proc.* 31. In *Iowa State Hort. Soc. Trans.* (1942) 77: 64-68. 81 Io9
- 5150 WESCHKE, CARL. Nuts maturing in the St. Paul area 1942. *Iowa Nut Growers Assoc. Proc.* 3. In *Iowa State Hort. Soc. Trans.* (1942) 77: 165-166. 81 Io9

#### Ornamental Plants

- 5151 ADAMS, H. H. *Cattleya maxima*, a history. *Amer. Orchid Soc. Bul.* 12: 230-231. Dec. 1, 1943. 80 Am329
- 5152 ALLEN, R. C. The truth about new rose varieties. *Home Gard. [N. Y.]* 2(6): 86-88. Dec. 1943. 80 H756
- 5153 ASPEGREN, MRS. HERMAN. Lily growing in Tidewater Virginia. *Gard. Club Amer. Bul.* 18 (8th Ser.), p. 23-25. Dec. 1943. 90.32 G16
- 5154 BAILEY, W. C. Southern California flower production in 1943. *Florists Exch.* 101(26): 11. Dec. 25, 1943. 80 F666
- 5155 BARK, C. A. *Townsendia parryi*. *Amer. Rock Gard. Soc. Bul.*, incl. *Saxifraga* 1: 107-110. Nov./Dec. 1943. 81 Am342
- 5156 BATES, ALFRED. The illusive ivy. VIII. *Natl. Hort. Mag.* 22: 153-157. Oct. 1943. 80 M216
- 5157 BLAKE, LOUISE. Adios: a late iris drift. *Amer. Iris Soc. Bul.* 91, p. 38-39. Oct. 1943. 81 Am39
- 5158 BOR, N. L., and RAIZADA, M. B. Some beautiful Indian climbers and shrubs. XIV. *Bombay Nat. Hist. Soc. Jour.* 44: 73-77. Aug. 1943. 513 B63
- 5159 BOUCHER, T. B. Christmas plants - their selection and care. *Canad. Hort. and Home Mag. Floral Ed.* 66: 201-202. Nov./Dec. 1943. 80 C16F



- 5160 BRATLEY, F. G. Visiting your neighbor. Rivermont orchids of Chattanooga, Tennessee. Amer. Orchid Soc. Bul. 12: 237-241. Dec. 1, 1943. 80 Am329
- 5161 BROCKET, ANNE. Delphinium gardens. Gard. Club Amer. Bul. 18(8th Ser.), p. 20-22. Dec. 1943. 90.32 G16
- 5162 BROWN, J. R. Window leaves. Desert Plant Life 14: 124. Oct. 1943. 450 D45  
Many Haworthias have a line of separation between the pellucid tips and the chlorophyll-bearing part of the leaves below.
- 5163 CANELA, P. T. Los cultivos de jardin. (Cont.) Pampa Argentina 17(194): 30-31. Oct. 1943. 9 P19
- 5164 CAVE, N. L. Notes on iris in England. Amer. Iris Soc. Bul. 91, p. 33-36. Oct. 1943. 81 Am39
- 5165 CHADWICK, L. C. Handling Nandina seeds. Amer. Nurseryman 78(12): 8. Dec. 15, 1943. 80 Am371  
Germination tests with seed of Nandina domestica, an ornamental shrub.
- 5166 CHADWICK, L. C. How to choose and move a shade tree. Home Gard. [N. Y.] 2(6): 25-27. Dec. 1943. 80 H756
- 5167 CLARK, A. M. Begonia rufoidea. Begonian 10: 217-218. Dec. 1943. 95.511 B39
- 5168 COLLIER, H. L. Notes on how to grow herbaceous peonies. Arboretum Bul. 6(5): 18. Sept. 1943. 451 Arl
- 5169 COLQUITT, MINNIE. Some rare native iris. Amer. Iris Soc. Bul. 91, p. 11-12. Oct. 1943. 81 Am39
- 5170 COOPER, E. Maxillaria nigrescens. Orchid Rev. 51: 158-159. Nov. 1943. 80 Or15
- 5171 COOPER, E. Stenoglottis. Orchid Rev. 51: 170-172. Nov. 1943. 80 Or15
- 5172 CROSS, RUTH. He toughened your mums. Better Homes & Gardens 22(5): 61, 67. Jan. 1944. 80 F9424  
Alex Cumming spent 25 years originating superhardy chrysanthemums.
- 5173 CUTAK, LADISLAUS. The Christmas cactus [Zygocactus truncatus] and its culture. Mo. Bot. Gard. Bul. 31: 187-191. Dec. 1943. 451 M69B
- 5174 CUTAK, LADISLAUS. Desert plants in winter houses. The cactus and succulent tribes can take difficult conditions. Home Gard. [N. Y.] 2(6): 39-41. Dec. 1943. 80 H756
- 5175 DORMAN, CAROLINE. The story of Louisiana iris. Amer. Iris Soc. Bul. 91, p. 3-10. Oct. 1943. 81 Am39
- 5176 DUDLEY, L. B., ROBERTS, J. L., and EDDY, R. T. The national dahlia honor roll. Flower Grower 30: 531-533, 551. Dec. 1943. 80 M72
- 5177 DUNCOMB, MRS. R. J. Cleome [spinosa], - spider flower. Back to Eden 10(6): 4. Jan. 1944. 80 B12
- 5178 EASLEA, WALTER. Climbing and rambler roses. Gard. Illus. 64: 229. Dec. 1943. 80 G169
- 5179 ENTZMINGER, A. M. Begonias as grown in Kansas. Back to Eden 10(5): 1, 5. Dec. 1943. 80 B12
- 5180 EVERETT, T. H. All about geraniums. Home Gard. [N. Y.] 2(6): 7-9. Dec. 1943. 80 H756
- 5181 FISHER, G. M. Christmas pot plants and their after care. Gard. Chron. Amer. 47: 308, 324-325. Dec. 1943. 80 G1632
- 5182 FOSTER, MULFORD, and FOSTER, RACINE. The garden of a thousand orchids. Gard. Chron. Amer. 47: 311-312. Dec. 1943. 80 G1632  
A private garden high in the mountains of Jalapa, Mexico.
- 5183 GARCIA MONTES, JOSE. Roses in Cuba. Amer. Rose Mag. 5: 118. Nov./Dec. 1943. 80 Am327A
- 5184 GRANT, J. A. Berried [ornamental] plants for Northwest gardens. Home Gard. [N. Y.] 2(6): 74-76. Dec. 1943. 80 H756
- 5185 HOEFLE, W. H. Standard roses for the beginner. Amer. Rose Mag. 5: 110-111. Nov./Dec. 1943. 80 Am327A
- 5186 HOFFMAN, MRS. CHARLES. Christmas decorations from the garden. Flower Grower 30: 536-537. Dec. 1943. 80 M72
- 5187 HUNTINGTON, R. W. Arborvitae fat and arborvitae lean. Gard. Club Amer. Bul. 18(8th Ser.), p. 11-13. Dec. 1943. 90.32 G16  
Arborvitae thrives in Maine, but not in Michigan.
- 5188 INGELS, SHERMAN. Some outstanding ornamental shrubs. Arboretum Bul. 6(5): 18-19. Sept. 1943. 451 Arl
- 5189 JENKINS, D. H. Keeping house plants up to snuff. Home Gard. [N. Y.] 2(6): 84-85. Dec. 1943. 80 H756
- 5190 JONES, K. P. Climber [rose] experiences in Rhode Island. Amer. Rose Mag. 5: 122-123. Nov./Dec. 1943. 80 Am327A
- 5191 JONES, R. W. Orchids for beginners. Amer. Orchid Soc. Bul. 12: 235-236. Dec. 1, 1943. 80 Am329
- 5192 KELLOGG, W. M., and KELLOGG, MRS. W. M. Our choice of Siberians. Amer. Iris Soc. Bul. 91, p. 16-22. Oct. 1943. 81 Am39
- 5193 KIPLINGER, D. C. Growers benefit from extensive research at Ohio State University. Florist Rev. 93(2403): 13-14. Dec. 16, 1943. 80 W41  
New methods of handling chrysanthemum cuttings, spacing tests on gravel culture roses and effects of shading on gardenias and azaleas.
- 5194 KRAUSS, H. K. Hanging baskets of fibrous begonias. Gard. Chron. Amer. 47: 322-323. Dec. 1943. 80 G1632
- 5195 KRAUSS, H. K. Roesli, bracteosa or machu picchu? Begonian 10: 225. Dec. 1943. 95.511 B39
- 5196 LAPHAM, E. G. How red can we get iris? Amer. Iris Soc. Bul. 91, p. 37-38. Oct. 1943. 81 Am39
- 5197 LAZENBY, FRANCIS. Two little-known plants [Chrysopsis mariana and C. falcata]. Horticulture 21: 454. Dec. 15, 1943. 80 H787
- 5198 LEMMON, R. S. Trailing arbutus from seed. Home Gard. [N. Y.] 2(6): 70-71. Dec. 1943. 80 H756
- 5199 LEVY, FLORENCE. Brighten shady areas with colorful primroses. Hort. News 9(12): 3. Dec. 1943. 80 H7815
- 5200 LIBBY, F. O. Rock gardening. Amer. Rock Gard. Soc. Bul., incl. Saxiflora 1: 101-106. Nov./Dec. 1943. 81 Am342
- 5201 LINDO, MRS. IRENE. Arreglos florales. Rev. de Agr. [Costa Rica], 15: 422-427. Sept. 1943. 8 Eal
- 5202 LYMAN, MRS. W. P. The old roses are good mixers. Amer. Rose Mag. 5: 114-115. Nov./Dec. 1943. 80 Am327A
- 5203 MANNING, L. E. Your shade trees: pruning for Christmas greens. Amer. Forester 49: 590-591. Dec. 1943. 99.8 F762
- 5204 MELADY, J. H. Winter welfare of your lawn. Home Gard. [N. Y.] 2(6): 13-14. Dec. 1943. 80 H756
- 5205 MITCHELL, S. B. A garden in the Berkeley Hills. Calif. Hort. Soc. Jour. 4: 39-52, 126-131. Apr., Oct. 1943. 81 C1293  
Ornamental garden.
- 5206 NIES, E. E. Why the spurias? Amer. Iris Soc. Bul. 91, p. 13-15. Oct. 1943. 81 Am39  
Iris spuria.
- 5207 ORPET, E. O. Note on Iris alata. Calif. Hort. Soc. Jour. 4: 144. Oct. 1943. 81 C1293



- 5208 PIESTER, E. A. Perfect roses - not a gardener's dream. *Home Gard.* [N. Y.] 2(6): 59-60. Dec. 1943. 80 H756
- 5209 PRESTON, ISABELLA. Spring and summer in the flower garden. *Canad. Hort. and Home Mag. Floral Ed.* 66: 203-204. Nov./Dec. 1943. 80 C16F
- 5210 PURDY, CARL. The Zauschnerias. *Amer. Rock Gard. Soc. Bul.*, incl. Saxiflora 1: 113. Nov./Dec. 1943. 81 Am342
- 5211 RAYMORE, H. B. How can I improve my [home garden] layout? *Home Gard.* [N. Y.] 2(6): 63-66. Dec. 1943. 80 H756
- 5212 REINECKE, H. G. We plan and build a garden on the roof. *Calif. Hort. Soc. Jour.* 4: 110-115. Oct. 1943. 81 C1293
- Ornamental garden.
- 5213 ROBINSON, H. C., II. On asymbiotic culture technique. *Amer. Orchid Soc. Bul.* 12: 244-245. Dec. 1, 1943. 80 Am329
- Orchid seed germination by the asymbiotic method.
- 5214 SCAMMELL, ROBERT. Growing roses from seed. *Amer. Rose Mag.* 5: 115-117. Nov./Dec. 1943. 80 Am327A
- 5215 SCOTT, E. L. Outdoor chrysanthemum culture. *Hort. Soc. N. Y., Monthly Bul.* 14(12): 7-8. 13. Dec. 1943. 81 M482M
- 5216 SHEPHERD, R. E. The recent Horvath climbers. *Amer. Rose Mag.* 5: 119-120. Nov./Dec. 1943. 80 Am327A
- Roses developed by M. H. Horvath.
- 5217 SHERMAN, W. C. Growing dwarf trees as a hobby. *Horticulture* 21: 455. Dec. 15, 1943. 80 H787
- 5218 SINNOCK, E. P. Roses in colour and cultivation. *Amer. Rose Mag.* 5: 126. Nov./Dec. 1943. 80 Am327A
- 5219 SYME, P. S. Prickly hakes for farm hedges. *New Zeal. Jour. Agr.* 67: 283, 285. Oct. 15, 1943. 23 M48J
- 5220 TEUSCHER, H. Community garden park. *Parks & Recreation* 26: 359-365. Nov./Dec. 1943. 98.8 P23
- 5221 TIEMANN, O. R. Plan the [flower] cutting garden now. *Back to Eden* 10(6): 1, 4. Jan. 1944. 80 B12
- 5222 TOMALIN, T. E. Winter flowers in room and greenhouse. *Pop. Gard.* 45: 346. Dec. 18, 1943. 80 G1622
- 5223 UPSHALL, W. H. Taking the rose garden indoors. *Canad. Hort. and Home Mag. Floral Ed.* 66: 202. Nov./Dec. 1943. 80 C16F
- 5224 WALKDEN, ANNICE. *Cypripedium parishii*. *Orchid Rev.* 51: 172-173. Nov. 1943. 80 Or15
- 5225 WALKDEN, ANNICE. *Platyclinis filiformis*. *Orchid Rev.* 51: 160-161. Nov. 1943. 80 Or15
- 5226 WALKER, V. N. *Corydalis thalictrifolia*. *Amer. Rock Gard. Soc. Bul.*, incl. Saxiflora 1: 112-113. Nov./Dec. 1943. 81 Am342
- 5227 WATKINS, J. V. Permanent perennials for Gulf coast gardens. *Home Gard.* [N. Y.] 2(6): 15-17. Dec. 1943. 80 H756
- 5228 WEDELL, C. F. Simplicity in foundation planting. *Gard. Chron. Amer.* 47: 317. Dec. 1943. 80 G1632
- 5229 WESTON, T. A. Bulb care in wintertime. *Home Gard.* [N. Y.] 2(6): 81-83. Dec. 1943. 80 H756
- 5230 WESTON, T. A. Protection of fall planted bulbs and roots. *Home Gard.* [N. Y.] 2(6): 38. Dec. 1943. 80 H756
- 5231 WESTON, T. A. Truths about flower pots. *Home Gard.* [N. Y.] 2(6): 28-29. Dec. 1943. 80 H756
- 5232 WHITEHEAD, S. B. Lilies, the garden aristocrats. *Field* 182: 488. Nov. 6, 1943. 10 M45
- 5233 WHITING, AGNES. Seen in Mid-West gardens. *Amer. Iris Soc. Bul.* 91, p. 22-33. Oct. 1943. 81 Am39
- Iris varieties in gardens of Iowa and Nebraska.
- 5234 WILDE, E. I. Sure-fire annuals for busy gardeners. *Home Gard.* [N. Y.] 2(6): 57-58. Dec. 1943. 80 H756
- 5235 WILL, G. F. The question of hardiness. N. and S. Dak. Hort. 16: 143. Dec. 1943. 81 N817
- Causes of winter injury to Chinese elm and other supposedly hardy trees and ornamentals.
- 5236 WILLARD, FRED. Primulas and primroses--here, there, everywhere. (To be cont.) *Begonian* 10: 224. Dec. 1943. 95.511 B39
- 5237 WINDMILLER, FRED. Breeding snapdragons. (To be cont.) *Canad. Florist* 38: 378. Dec. 5, 1943. 80 C163
- 5238 WOOD, C. W. The Scotch rose [*Rosa spinosissima*] - for care-free folks. *Canad. Hort. and Home Mag. Floral Ed.* 66: 207. Nov./Dec. 1943. 80 C16F
- 5239 WOODS, MADINE. The Rex begonia--origin and introduction. *Begonian* 10: 219, 224-225. Dec. 1943. 95.511 B39
- 5240 YARIAN, N. C. Orchids and the war. *Flower Grower* 30: 540-541, 552-553. Dec. 1943. 80 M72

#### Small Fruits

- 5241 AMERINE, M. A., and WINKLER, A. J. Grape varieties for wine production. *Wine Rev.* 11(12): 9-14, 16-17, 26-27. Dec. 1943. 390.8 W722
- Also in *Wines & Vines* 24(12): 13-14, 116-122. Dec. 1943. 95.8 C122
- 5242 BALLARD, W. R. Small fruits for every farmstead. *South. Planter* 104(12): 16. Dec. 1943. 5 So89
- 5243 CLARK, J. E. The why, when and how of grape pruning. *Home Gard.* [N. Y.] 2(6): 11-12. Dec. 1943. 80 H756
- 5244 FRASER, H. Propagating bush and cane fruits. How to increase your stock of black currants, gooseberries, loganberries and blackberries. The various methods available. *Gard. Illus.* 64: 238. Dec. 1943. 80 G169
- 5245 HANCOCK, W. G. Strawberries in North Queensland. *Queensland Agr. Jour.* 57: 211-212. Oct. 1, 1943. 23 Q33
- 5246 OVERHOLSER, E. L., CROWLEY, D. J., and ALLMENDINGER, D. F. Fruits for the home garden in western Washington. *Arboretum Bul.* 6(5): 7-9, 23. Sept. 1943. 451 Ar1
- 5247 WAGNER, P. M. History and prospects of wine-growing in the U. S. *N. Y. Farmers Proc.* 1942/43: 245-260. N. Y., 1943. 4 M48P
- 5248 WAGNER, PHILIP. Victory garden into vineyard. *House & Gard.* [Greenwich, Conn.] 85(1): 20-21, 70-73. Jan. 1944. 80 H81
- Directions for planting grape vines among Victory vegetables. Varieties suggested.
- 5249 WINKLER, A. J. Climate and grapes. How climate affects quality. *Wine Rev.* 11(11): 28-31. Nov. 1943. 390.8 W722

#### Vegetable and Truck Crops (Including Potatoes)

- 5250 ANDERSON, W. S. Katahdin potato proves good for general planting; Warba if red variety required. *Miss. Farm Res.* 6(11): 1-2. Nov. 1943. 100 M69M1
- 5251 BARBONS, K. C. What's cookin' in hybrid vegetables. *South. Seedman* 6(12): 14, 42, 54. Dec. 1943. 61.8 So8
- Fl tomato, squash, and cantaloup seed already are in commercial production.



- 5252 BLACKWOOD, B. B. Buy vegetable garden seed soon as you can. Farmer-Stockman 57(1): 18. Jan. 1944. 6 Ok45
- 5253 BLODGETT, F. M. What is being done in New York to meet the problems of the potato and vegetable growers. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 345-348. 81 Io9
- Describes the potato research program carried out by a committee representing the Empire State Potato Club and the New York State Farm Bureau Federation. Includes studies of marketing, yields, breeding, and disease control.
- 5254 BOSWELL, V. R. Plan early for spring sale of plants for more Victory gardens. Florists' Rev. 93(2404): 13-14. Dec. 23, 1943. 80 W41
- 5255 CAMPBELL, J. C. Potato variety tests - 1943. Hints to Potato Growers 24(6): 1-2. Oct. 1943. 75.9 H59
- 5256 CLUTE, W. N. The frost flower [Verbesina virginica]. Amer. Bot. 49: 103-104. Oct. 1943. 450 Am33
- 5257 COLOM, J. L. Huertos caseros y escolares. Agr. Venezolano 8(87/88): 40-46. July/Aug. 1943. 9.95 Ag8
- 5258 CURREY, E. A. Tomato varieties, pruning, spacing, studies in Delta. Miss. Farm Res. 6(11): 2. Nov. 1943. 100 M69M1
- 5259 EGUIRAIN, JUAN. Huerto familiar. Agr. Venezolano 8(87/88): 4-23, 26-30, 33-34. July/Aug. 1943. 9.95 Ag8
- 5260 ERWIN, A. T. The Federal potato breeding program. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 336-346. 81 Io9
- 5261 FAULKNER, JAMES. An old fashioned garden. Organic Gard. 3(4): 15-16. Sept. 1943. 56.8 Or3
- Vegetables grown in clean soil without fertilizers.
- 5262 FITCH, C. L. Our seed potato supply. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 326-327. 81 Io9
- 5263 HARRISON, C. T. For 1944 Victory gardens. Gard. Gossip 18(12): 12-13. Dec. 1943. 80 G1625
- Vegetables recommended.
- 5264 \*\*HELLBO, E., and ESBÖ, H. Vara potatis-sorter. Systematisk behandling. Our potato varieties. A systematic study. Sweden Statens Cent. Frökontrollanst. Lantbr. Förbundets Tidskr. Saktiebolag. No. 1, 128 p. Stockholm, 1942.
- Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 381. Oct. 1, 1943. 241 Im73
- 5265 HEUCHELING, F. G. How we developed Victory gardens in metropolitan Chicago. Seed World 54(12): 8-9, 44. Dec. 17, 1943. 61.8 Se52
- 5266 HOBBS, E. W. Observations on the cropping of 10-rod war-time allotments--season 1941. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 49-53. 84 B77
- Yields of vegetable plots.
- 5267 HOCHBAUM, H. W. Still keep 'em growing Victory gardens. House & Gard. [Greenwich, Conn.] 85(1): 13, 60. Jan. 1944. 80 H81
- 5268 LAS HUERTAS ESCOLARES, parte de un plan de mejoramiento agrícola. Rev. de Agr. [Costa Rica] 15: 393-402. Sept. 1943. 8 Hs1
- 5269 ISSOURIHIER, PEDRO. Prácticas recomendables para obtener buena semilla de papa. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(758): 23-25. Aug. 15, 1943. 287 R71
- 5270 KERR, J. A. Navy bean production. Queensland Agr. Jour. 57: 202-203. Oct. 1, 1943. 23 Q33
- 5271 KERR, JAMES. Vegetable varieties for San Francisco Bay area. Calif. Hort. Soc. Jour. 4: 147-150. Oct. 1943. 81 C1293
- 5272 KLASSEN, D. G. Experiences in garden. Florists' Rev. 93(2404): 15. Dec. 23, 1943. 80 W41
- A Victory garden, specializing in tomatoes.
- 5273 \*LYSENKO, T. D. Rasshirit' ploshchadi, uvelichit' urozhai kartofelia [To widen the acreage and increase the yields of potatoes]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 3-6. 1942.
- 5274 MCKENNA, F. J. Garden failures of 1943 season. Basic garden practices must be understood to get good results. Hort. Soc. N. Y., Monthly Bul. 14(12): 4-6. Dec. 1943. 81 M482M
- 5275 MINNUM, E. C. Colossal "V" garden. The Everglades. South. Seedman 6(12): 12, 44-45. Dec. 1943. 61.8 So8
- Science transforms Florida swamps into 600,000-acre soils and vegetable laboratory.
- 5276 \*MOSOLOVA, L. V. Vliyanie priemov agrotekhniki na razvitie kartofelia pri posadke verkhushkami [Effect of various cultural methods on the development of apical sets of potato]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 30-32. 1942.
- 5277 MUELLO, A. C. La sandia. Pampa Argentina 17(194): 18. Oct. 1943. 9 P19
- 5278 \*MURAROVA, O. I. Padgotovka svezheubrannykh klubnei kartofelia k letnim posadkam v kolkhoze "Luch Vostoka" [The preparation of freshly harvested potato tubers for summer plantings in the kolkhoz "Glean of Orient"]. Lenin Acad. Agr. Sci. U. S. S. R. 7(9/10): 27. 1942.
- 5279 FRITCHARD, D. K. Planned home garden production. New Zeal. Jour. Agr. 67: 291-292. Oct. 15, 1943. 23 N48J
- 5280 PUTNAM, B. L. Reports on new vegetables. Horticulture 21: 461. Dec. 15, 1943. 80 H787
- 5281 RITCHIE, T. F. Horticultural dividends - from vegetable plant breeding. Canad. Hort. and Home Mag. Growers Ed. 66: 203-204. Nov./Dec. 1943. 80 G16
- 5282 ROCKWELL, F. F. A frame will help your [vegetable] garden. Home Gard. [N. Y.] 2(6): 36-37. Dec. 1943. 80 H756
- 5283 ROLAND, R. H. Government recognizes florists' part in war food program. Florists' Rev. 93 (2405): 13. Dec. 30, 1943. 80 W41
- Assistance in Victory garden program.
- 5284 ROSE, F. J. Vegetable seed production. Gard. Chron. 115: 194-195. Nov. 20, 1943. 80 G162
- 5285 SALAMAN, R. W. Recent research in potato breeding. Empire Jour. Expt. Agr. 11: 125-139. July-Oct. 1943. 10 Em7
- 5286 \*SANNIKOV, V. S. Posadki verkhushkek kartofelia na Cheliabinskoi plodoovoshchnoi opytnoi stantsii [Planting of apical sets of potato on Cheliabinsk Fruit and Vegetable Experiment Station]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 24-27. 1942.
- 5287 SCHRADER, O. L. Estudo de alguns fatores que influenciam na produção dos feijões de lima da variedade Fordhook. Brasil. Min. da Agr. Bol. 32(1): 1-52. Jan. 1943. 9.2 Ag83
- 5288 SHEWELL-COOPER, W. E. It's a mistake to make mushrooms a mystery. Estate Mag. 43: 297-298. Nov. 1943. 10 Es8
- 5289 SMITH, M. S. Home garden cauliflower. Horticulture 21: 460. Dec. 15, 1943. 80 H787
- 5290 SMITH, R. W. Starting the new vegetable garden. Organic Gard. 3(5): 16-18. Oct. 1943. 56.8 Or3
- 5291 SMITH, S. N. Breeding sweet corn for dehydrating and freezing. Quick Frozen Foods 6(5): 61. Dec. 1943. 389.8 Q4
- 5292 \*SOLODNIKOVA, N. A. Posadki kartofelia svezheubrannyimi klubniami v Kazakhskoi SSR [The plantings of potatoes with freshly harvested tubers]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 26. 1942.



5293 \*SOLODOVNIKOV, F. S. O posadkakh kartofel'ia svezheubrannymi klubniami v Kazakhstane [On the potato plantings with freshly harvested potato tubers in Kazakhstan]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 22-24. 1942.

5294 SPEIDEN, EVELYN. Asparagus. Bio-Dynamics 3(1): 24-26. 1943. 56.8 B52

5295 TALMAGE, H. R. Long Island methods to get best seed potatoes. Iowa State Veg. Growers' Assoc. [Trans.] 29. In Iowa State Hort. Soc. Trans. (1942) 77: 316-318. 81 I09

5296 TERRY, H. B. The growing of sweet potatoes. Union So. Africa. Dept. Agr. and Forestry Publicity Ser. 179, 2 p. Pretoria, Oct. 19, 1943. 24 So82P

5297 TOD, W. M. Root crops are worth growing. Home Farmer 10(11): 16. Nov. 1943. 280.344 H75

5298 \*VLADIMIROV, A. V. Nekotorye resul'taty opytov po posadke verkhushkek prodovol'stvenogo kartofel'ia [Some results of planting food potato apical sets]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 28-29. 1942.

5299 WAGNER, V. E. The Wagner pea. Amer. Bee Jour. 83: 457. Dec. 1943. 424.8 Am3

Lathyrus silvestris wagneri, developed by William Wagner in Wurtemberg, Germany, and brought to Pennsylvania in 1888.

5300 WHEELER, WILFRED. Why not have the best in lettuce? Horticulture 21: 457. Dec. 15, 1943. 80 H787

Tested varieties recommended.

5301 WHITE, C. T. The varieties of Tonga or Tongan bean cultivated in Queensland. Queensland Agr. Jour. 57: 215-216. Oct. 1, 1943. 23 Q33

5302 YOUNGMAN, W. H. America--home of the bean. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 228-232. Dec. 1943. 1 F752A

Not all varieties of beans are indigenous to the Americas, but many are, and others have been adopted.

5303 ZUCKERMAN, H. G. Potato map is changed. Western production looks high with long nearly varieties. Market Growers Jour. 72: 322. Dec. 1, 1943. 6 M34

Netted Gem and White Rose varieties.

#### MISCELLANEOUS ECONOMIC PLANTS

##### General

5304 BURKART, ARTURO. Acanthaceas indigenas como forrajeras de emergencia. Darwiniana 6: 192-202. Sept. 1943. 450 D25

Study of Acanthaceas, particularly Justicia campestris, useful as emergency forage crops in a wild state.

5305 CUSTODIO P., TENDORO. El cultivo del nimbre. Rev. de Agr. Dominican Repub., 34: 336-339. Jan./Feb. 1943. 8 E323

5306 DESHPANDE, R. B. The cultivation of chillies [Capsicum longum]. Indian Farming 4: 188-191. Apr. 1943. 22 In283

5307 LIMA, A. O., and GRECO, J. B. Alergia polinica no Brasil. (To be cont.) Brasil-Med. 57: 371-373. Sept. 4/11, 1943. 448.8 B73

5308 PELLET, F. C. Anise-hyssop [Agastache], wonder honey plant. Amer. Bee Jour. 83: 454-455. Dec. 1943. 424.8 Am3

5309 \*SEDMUK, A. A. Shpazhnik (gladiolus) kak syr'e dlia poluchenia preparatov vitamina s [The sword-lily (gladiolus) as raw material for the production of vitamin C preparations]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 10-13. 1942.

5310 SMITH, J. R. Tree crops - an unappreciated possibility. Bio-Dynamics 3(1): 31-32. 1943. 56.8 B52

5311 WILLSON, R. B. The situation on honey plants. Gleanings Bee Cult. 71: 684-685. Dec. 1943. 424.8 G47

##### Drug, Herb, and Condiment Plants

5312 CAIUS, J. F. The medicinal and poisonous lindenblooms of India. Bombay Nat. Hist. Soc. Jour. 44: 92-101. Aug. 1943. 513 B63

Four genera occur in India: Corchorus, Elaeocarpus, Grewia, and Triumfetta. Brief botanical descriptions of various species are given, with vernacular names listed after each description.

5313 FREE, MONTAGUE. Herbs without an herb garden. Home Gard. [N. Y.] 2(6): 30-32. Dec. 1943. 80 H756

5314 HAJLA, W. J. The national quinine pool. Hosp. Corps Quart. (Sup. to U. S. Nav. Med. Bul.) 16 (4): 1-46. Oct. 1943. 153.45 Un3Sup

Exhibit F, p. 34-44, consists of illustrations and releases from Board of Economic Warfare regarding quinine in Central and South American countries.

5315 JOINER, MRS. R. F. The culinary herb garden. Hort. News 9(12): 4. Dec. 1943. 80 H7815

5316 KEOGH, PATRICIA, and SHAW, F. H. The pharmacology and toxicity of Alstonia alkaloids. Austral. Jour. Expt. and Med. Sci. 21: 182-186. Sept. 1943. 442.8 Am7

5317 LAURIE, ALEX. Germination of belladonna seed and effect of winter mulches on plant mortality. Ohio Agr. Expt. Sta. Bimo. Bul. 28: 227-229. Nov./Dec. 1943. 100 Oh3S

5318 MACHADO, A. A. DE S. Em torno do balsamo de copaiba-jacaré [Eperua oleifera] e de seu emprego como sucedâneo do balsamo peruviano. Brazil. Min. da Agr. Bol. 31(11): 47-49. Nov. 1942. 9.2 Ag83

5319 MUKERJI, B. Indian rhubarb as substitute for 'official' rhubarb. Current Sci. [India] 12: 275. Oct. 1943. 475 Sci23

5320 OCCHIONI, PAULO. Palmeiras e nós de betel [Areca catheda]. Rev. da Flora Med. 10: 437-440. Aug. 1943. 71.8 E32

5321 \*O'DONELL, C. A., and RODRIGUEZ, J. M. Las plantas medicinales del noroeste Argentino. II-III. Rev. Farm. [Buenos Aires] 84: 149-159, 201-211. 1942.

Abs. in Biol. Abs. 17: 22493, 22494. Nov. 1943. 442.8 B526

5322 \*SALYT, M. S. Wild insecticidal pyrethrum in the U. S. S. R. Soviet. Bot. 1941, No. 3, p. 97-100.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 322. Oct. 1, 1943. 241 Im73

5323 WRIGHT, JANET. Herbal notes. Calif. Hort. Soc. Jour. 4: 116-125. Oct. 1943. 81 G1293

##### Hubber Plants

5324 EDWARDS, GAS. A guayule "roundup" in Big Bend country. Cattleman 30(7): 89-90. Dec. 1943. 49 C29

5325 GREN, HERBERT. Variation and abnormality in common milkweed (Asclepias syriaca L.). Canad. Field Nat. 57: 114. Sept. 1943. 410.9 Ot8

5326 HARVEY, R. B., and LEE, S. B. Flagellates of laticiferous plants. Plant Physiol. 18: 633-655. Oct. 1943. 450 P692

Twelve species of plants are newly reported as hosts of flagellates.

5327 \*KEDROV-ZIKHMAN, O. K., and KEDROVA-ZIKHMAN, O. E. Vliianie investii i mikroelementov na urozhai kok-sagysa i kauchukonakoplenie [The influence of lime and trace-elements on the yields of kok-sagys and on the accumulation of rubber]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 7-10. 1942.

5328 \*KUPISOV, A. I. Predvaritel'nye itogi selektsii tau-sagysa [Preliminary items of breeding of tau-sagys]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 18-23. 1942.



5329 MOLDENKE, H. N. New sources of rubber. Amer. Mus. Nat. Hist. Nat. Hist. 52: 226-232. Dec. 1943. 500 N483J

Taraxacum kok-saghyz, Cryptostegia, Chrysanthamnus, guayula, and others.

5330 \*POPOV, G. I. Vliyanie usloviy kul'tury na stroenie kornei kok-saghyza [Effect of conditions of culture on kok-saghyz root structure]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 14-17. 1942.

5331 HUBBER from Russian dandelions. Science 98: 532. Dec. 17, 1943. 470 Sci2

An account, given Nov. 10, by Sir Geoffrey Evans, of the work being done at Kew Gardens during the war was recently reported in the London Times.

#### Weeds and Poisonous Plants

5332 BETTY, R. C., and TRIKOJUS, V. M. Hypericin and a non-fluorescent photosensitive pigment from St. John's wort (Hypericum perforatum). Austral. Jour. Expt. and Med. Sci. 21: 175-182. Sept. 1943. 442.8 Au7

Experiments to determine a refined product and to study its toxic effect on livestock.

5333 FIFER, MARGARET. Plants unsafe for forage by goats. Dairy Goat Jour. 21(10): 4-5. Dec. 1943. 40.18 M592

Extracts from the minutes of the 1943 annual meeting of the American Goat Society.

5334 \*GURGEN, A. R. Türkiye zehirli nebat-larinin en ehemmiyetlileri Uzerinde kimyevi araştırmalar (Chemische untersuchungen über die wichtigsten giftpflanzen in der Türkei). Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 138, 184 p. Ankara, 1943. Ref., p. 120-121. 25 An24

German summary, p. 123-165.

5335 HOLMGREN, A. H. New poisonous weed invades western ranges. Farm and Home Sci. 4(4): 3, 11. Dec. 1943. 100 UtlF

Halogeton glomeratus, introduced from Siberia and poisonous to sheep, spreading rapidly in Nevada, Utah and Wyoming.

5336 KEHAR, N. D. Some plants poisonous to livestock. Indian Farming 4: 130-131. Mar. 1943. 22 In283

Hydrocyanic acid in plants is stressed.

5337 MILTON, W. E. J. The buried viable-seed content of a midland calcareous clay soil. Empire Jour. Expt. Agr. 11: 155-166. July/Oct. 1943. 10 Ea7

Experiments to determine the quantities of viable seeds of certain weeds or seeds of valuable grasses and clovers.

5338 MOORE, L. B. Significance of spores in hard-fern [Paesia scaberula] infestations. New Zeal. Jour. Sci. and Technol. 23: 113B-125B. Jan. 1942. 514 N48

5339 MOORE, VIRGINIA. The weed problem. Bio-Dynamics 3(1): 14-16. 1943. 56.8 B52

5340 \*TROITSKIY, A. A. Khimicheskie issledovaniya otgonov lintika iadovitogo [Chemical investigations of fractions of the poisonous buttercup (Ranunculus sceleratus)]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 33-36. 1942.

5341 WELLS, S. P. Onions v. weeds. Fruit-Grower, Fruiterer, Florist & Market Gard. 96: 407. Nov. 25, 1943. 80 F941

5342 WILLIAMS, E. D. Poisonous plants. Gard. Club Amer. Bul. 18(8th Ser.), p. 41-44. Dec. 1943. 90.22 G16

5343 WILSON, H. K. Chemicals in weed control. Minn. Seed Grower 19, 1. c. 16(6): 5-6. Dec. 1943. 61.8 M66

## SOILS AND FERTILIZERS

### SOIL SCIENCE

5344 ALVARADO MORALES, CARLOS. Instrucciones para recoger muestras de tierra para análisis. Agr. Costarricense 1(1): 28. June 1943. 8 Ag895

5345 RHODESIA, SOUTHERN. DEPARTMENT OF AGRICULTURE. DIVISION OF CHEMISTRY. Instructions for taking soil samples. Rhodesia Agr. Jour. 40: 283-284. Sept./Oct. 1943. 24 R34

### Soil Physics

5346 BAUER, E. E. Factors affecting specific gravity values in the proposed method of test for soils. Amer. Soc. Testing Mater. Bul. 125, p. 33-34. Dec. 1943. 290.9 Am34B

5347 CODONI, M. R. The densimeter method of mechanical analysis. Soil Sci. 56: 423-431. Dec. 1943. 56.8 So3

5348 HERRERA, S. R. Método para la obtención de muestras de suelo que han de ser objeto de análisis físico y químico. Rincón Campesino 3(35/36): 30-31. Oct./Nov. 1943. 8 R47

5349 RAMDAS, L. A., and MALLIK, A. K. Studies on soils. Indian Acad. Sci. Proc. Sect. A, 16: 1-9, 16-22. July 1942. 513 In26

Pt. I. Movement of water and salt solutions in the black cotton soil; Pt. II. A microscopic study of the behaviour of the black cotton soil in salt solutions.

5350 RICHARDS, L. A., and FIREMAN, MILTON. Pressure-plate apparatus for measuring moisture sorption and transmission by soils. Soil Sci. 56: 395-404. Dec. 1943. 56.8 So3

5351 VAIDHIANATHAN, V. I., and SINGH, CHANAN. A new phenomenon in the movement of the free water-level in a soil and its bearing on the measurement of water-table. Indian Acad. Sci. Proc. Sect. A, 16: 264-280. Apr. 1942. 513 In25

### Soil Chemistry and Mineralogy

5352 DAVIS, F. L. Retention of phosphates by soils: I. Effect of additions of iron and aluminum chloride upon the retention of phosphorus by virgin Hammond very fine sandy loam. Soil Sci. 56: 457-478. Dec. 1943. Ref., p. 477-478. 56.8 So3

5353 DAVIS, L. E. Measurements of pH with the glass electrode as affected by soil moisture. Soil Sci. 56: 405-422. Dec. 1943. 56.8 So3

5354 HIBBARD, P. L. Comparative amounts of zinc extracted from soils by a chemical solvent and by plants. Soil Sci. 56: 433-442. Dec. 1943. 56.8 So3

5355 KELLEY, W. P. Mattson's papers on "The laws of soil colloidal behavior" - review and comments. Soil Sci. 56: 443-456. Dec. 1943. 56.8 So3

5356 PRESCOTT, J. A., and ARTHUR, J. I. The ultimate pH value of the soil and its relationship to the composition of the clay fraction. Austral. Inst. Agr. Sci. Jour. 9: 125-126. Sept. 1943. 23 Au74

### Soil Microbiology

5357 \*BUTKEVICH, V. S., and GUKOVA, M. M. Influence of soil temperature on fixation of molecular nitrogen by Leguminosa. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 35: 118-121. 1942.

Text in English.

5358 LEEPER, R. L. A good insurance policy for legumes - inoculation. Ohio Farm Bur. News 23(6): 12. Jan. 1944. 6 Ch34

5359 \*PETERBURGSKIY, A. Bacterial'nye udobreniya na polia sovkhosov [Bacteriological fertilization - on the fields of the state farms]. Sovkhozovs Proizvodstvo 2(3/4): 30-31. Mar./Apr. 1943.



Soil Genesis, Formation, Classification, and Mapping

- 5360 BEAUCHAMP, C. E. La relacion entre el color y la productividad del terreno. (Cont.) Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 168-171. Nov. 1943. 65.9 As 5B
- 5361 BRAMKO, LUIS. A existência do tchernozem em Portugal. Agron. Lusitana 3: 215-225. 1941. 105.7 Ag 8
- 5362 KELLOGG, C. E. Soil study for sound agriculture. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 3: 223-227. Dec. 1943. 1 F752A

SOIL MANAGEMENT

- 5363 ANHOURY, JEAN. Effets du rationnement des nitrates et de l'assolement de guerre sur le rendement du blé. Egypte Agr. 41: 181-190. June/July 1943. 24 Un32
- 5364 CALLISTER, G. J. Fertilizers and crop production in 1944. C. S. T. A. Rev., No. 39, p. 26-29. Dec. 1943. 7 C167C
- 5365 DALY, W. J. Lime, phosphate and legumes guarantee higher production. Kans. Farmer 80(23): 7, 22. Dec. 11, 1943. 6 K13
- 5366 JONES, EARL. Higher acre yields best way to needed war production. Ohio Farm Bur. News 23 (6): 14. Jan. 1944. 6 Oh34
- Increasing the productivity of the soil increases the yields.
- 5367 LECHAPTOIS, JORGE. A proposito de abonos. --Algunas nociones que conviene recordar para una mejor orientación del agricultor. Agr. del Norte 27: 585-586. July 1943. 9.3 Sol4
- 5368 MCCOLLAM, M. E. Fertilizer philosophy. Calif. Cult. 90: 655, 666. Dec. 25, 1943. 6 C12
- 5369 NEEL, L. R. Fit crops to soil. Too much effort and money is wasted in trying to grow the right crop on the wrong land. South. Agr. 74 (1): 6. Jan. 1944. 6 So83
- 5370 PFEIFFER, E. Healthy and diseased pastures. Bio-Dynamics 3(1): 10-14. Summer 1943. 56.8 B52
- 5371 RADIC, JOSÉ. El problema de la cal. Campesino [Santiago, Chile] 75: 548. Sept. 1943. 9.3 Sol2
- 5372 RICHARDSON, E. C. Kudzu fits into rotations. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59 (1): 11. Jan. 1944. 6 P954G
- 5373 SCHARFF, JUSTIN. Fertilizer the basis of successful plant culture. Calif. Cult. 90: 658. Dec. 25, 1943. 6 C12
- 5374 SHEWELL-COOPER, W. E. The importance of humus. Field 182: 568. Nov. 27, 1943. 10 F45
- 5375 SMITH, J. W. Is your farm waiting for this kind of treatment? Ohio Farm Bur. News 23 (6): 24. Jan. 1944. 6 Oh34
- Soil conservation practices and fertilizers have increased crop yields.
- 5376 SREENIVASAN, A. Conservation of humus in tropical soils. Nature [London] 152: 572-573. Nov. 13, 1943. 472 M21

Soil Fertility

- 5377 ALBECHECT, W. A. Calcium. Land 3(1): 50-58. Summer 1943. 277.8 L22
- 5378 ANDERSON, H. S. My fertilized pastures pay. Farm for Victory, Dec. 1943, p. 11. 281.8 F226
- 5379 BALFOUR, LADY EVE. My experiences and opinions on Indore composting. Organic Gard. 3(2): 8-11. Oct. 1943. 56.8 Or3
- From News Letter on Compost, [England].
- 5380 BROWN, B. A., and MUNSELL, R. I. Grasses fertilized with nitrogen compared with legumes for hay and pasture. Farm for Victory, Dec. 1943, p. 10. 281.8 F226

5381 BROWN, LYLE. Now is time to fertilize strawberries. This Month in Rural Ala., Jan. 6, 1944, p. 5. 6 T34

5382 \*\*BROWN, P. H. Commercial carrot production. Occ. Publ. Sci. Hort. 1943, No. 4, p. 24-28. Abs. in Brit. Chem. and Physiol. Abs. B, 3: 232. Oct. 1943. 382 B773

Fertilizer treatment recommended for carrots.

5383 CANTERBURY AGRICULTURAL COLLEGE, LINCOLN. Organic matter and nitrogen in the soil. Canterbury Chamber Com. Agr. Bul. 171, 4 p. Christchurch, 1943. 23 C162

5384 CHABOT, E. D. Indoor plants get hungry, too. Home Gard. 2(6): 22-24. Dec. 1943. 80 H756

Fertilizers for indoor plants.

5385 COCHRAN, H. L. Nitrogen for leafy vegetable crops. Farm for Victory, Dec. 1943, p. 13. 281.8 F226

5386 COOPER, H. P., and GARMAN, W. H. Effect of adding sodium to the fertilizer on yields and composition of cotton plants at different levels of potash fertilization. Farm for Victory, Dec. 1943, p. 9. 281.8 F226

5387 CUMMINGS, R. W., and RANKIN, W. H. The use of nitrogen with small grains. Farm for Victory, Dec. 1943, p. 8. 281.8 F226

5388 CURREY, E. A. Growing sweetpotatoes in the Yazoo-Mississippi Delta. Miss. Farm. Res. 6(12): 6. Dec. 1943. 100 M69M1

Test to determine fertilizer elements needed.

5389 D'ETIGNY, JUAN. El uso del bórax para aumentar el rendimiento de los alfalfares. Agr. del Norte 27: 594-595. July 1943. 9.3 Sol4

5390 DETWILER, S. B. Better acorns from a heavily fertilized white oak tree. Jour. Forestry 41: 915-916. Dec. 1943. 99.8 F768

5391 DICKEY, J. B. R. Fertilizing potatoes in 1944. Guide Post 20 (12): 12-13. Dec. 1943. 75.8 G94

5392 DODD, H. H. A preliminary survey of recent fertilizer experiments for sugarcane. So. African Sugar Technol. Assoc. Proc. (1943) 17: 57-63. 65.9 So83

5393 FAHEY, H. N. Soil fertility often a minor factor. Agr. Soc. Trinidad and Tobago. Proc. 43: 207, 209, 211. Sept. 1943. 8 T73

5394 GOURLEY, J. H. Value of mulch in supplying organic matter needs in orchard soils. East. Fruit Grower 6(10): 8, 13, 15, 16, 18. Dec. 1943. 80 Ea73

5395 GRAY, S. D. Commercial fertilizers for livestock farms. Better Crops with Plant Food 27 (10): 23-26, 47-49. Dec. 1943. 6 B46

5396 GRAY, S. D. Efficient use of fertilizers on potato farms. Guide Post 20 (12): 6-10. Dec. 1943. 75.8 G94

5397 HADDON, C. B. Spring top dressings [nitrogen] most efficient [in Louisiana]. Farm for Victory, Dec. 1943, p. 8. 281.8 F226

5398 \*\*MOYSE, W. J. Cultivation of onions. Occ. Publ. Sci. Hort. 1943, No. 4, p. 29-33. Abs. in Brit. Chem. and Physiol. Abs. B, 3: 233. Oct. 1943. 382 B773

Fertilizers.

5399 NITZSCH, W. VON, and HEINRICH, M. Eine analytisch-methode zur charakterisierung der wichtigsten fruchtbarkeitseigenschaften der böden. Kolloid Ztschr. 104: 51-57. July 1943. 384 Z315

5400 OBENSHAIN, S. S. The effect of certain fertilizer carriers on the growth of turnips. Farm for Victory, Dec. 1943, p. 5. 281.8 F226

5401 OLIVER, R. W. Rations for house plants. Canad. Hort. and Home Mag. 66: 205-206. Nov./Dec. 1943. 80 C16F



5402 \*\*OLOFSSON, S. Olika spridningstider och mängder fosfat och kalisalt. Fältförsök vid Flahult [Spreading phosphate and potassium salts at different times and in different quantities. Field experiments at Flahult]. Svenska Vall- och Mosskulturför. Meddel. No. 8, p. 333-381. 1942.

Abs. in Imp. Bur. Pastures and Forage Crops. Herbage Abs. 13: 209. Oct. 1943. 241 Im733

5403 PETERSON, H. B. Nitrogen on grain. Calif. Cult. 90: 667. Dec. 25, 1943. 6 C12

5404 RAGSDALE, ELMO. Nitrate important for truck crops. Farm for Victory, Dec. 1943, p. 14. 281.8 F226

5405 RILEY, J. A. Why trade soda for oats? Farm for Victory, Dec. 1943, p. 7. 281.8 F226 Nitrogen.

5406 SANDERSON-WELLS, T. H. Soil fertility, food production and health. Organic Gard. 3 (2): 8-11. July 1943. 56.8 Or3

5407 SAUCHELLI, VINCENT. What's in that fertilizer bag? Better Crops with Plant Food 27 (10): 17-22, 40-42. Dec. 1943. 6 B46

5408 SCHILLETTER, A. E. Nitrogen top-dressing makes vegetables grow. Farm for Victory, Dec. 1943, p. 13. 281.8 F226

5409 SHERMAN, G. D. The role of manganese in crop production. Section III. Com. Fert. 68 (1): 16, 18, 22, 31. Jan. 1944. 57.8 C73

5410 SMITH, R. W. Recent corroboration of organic methods. Organic Gard. 3(2): 12-13. Sept. 1943. 56.8 Or3

5411 SNIDER, H. J. Phosphorus shortage - soil responsible. Hoard's Dairyman 88 (24): 718. Dec. 25, 1943. 44.8 H65

Lack of phosphorus in hay and forage crops of southern Illinois.

5412 SNIDER, H. J. Some characteristics of manganese. Better Crops with Plant Food 27 (10): 6-8, 46-47. Dec. 1943. 6 B46

5413 SPAIN. MINISTÉRIO DA ECONOMIA. DIRECÇÃO GERAL DOS SERVIÇOS AGRÍCOLAS. REPARTIÇÃO DE ESTUDOS, INFORMAÇÃO E PROPAGANDA. Adubação do trigo no ano de 1941 - 1942. Instruções elaboradas pela repartição de serviços de culturas arvenses para a substituição do sulfato de amónio pelo nitrato de sódio. Spain. Min. da Econ. Dir. Geral dos Serv. Agr. Repart. de Estud. Inform. e Propag. Sér. Divulgação 20, 7 p. Lisboa, 1941. 15.5 Ag84D

5414 STEPHENSON, R. E. Humus from mulching. Calif. Cult. 90: 756. Dec. 25, 1943. 6 C12

5415 STEPHENSON, R. E. Producing hardy plants. Calif. Cult. 90: 658. Dec. 25, 1943. 6 C12 Use of fertilizers.

5416 TIEDJENS, V. A. Better use of fertilizer demands change in culture. Hort. News 24: 1525. Nov. 1943. 81 N46

5417 TIEDJENS, V. A. Response of spinach roots to fertilizer placement. N. J. State Hort. Soc. News 24: 1526. Nov. 1943. 81 N46

5418 TURNER, J. H., JR. Top dressing oats in the Coastal Plain. Farm for Victory, Dec. 1943, p. 7. 281.8 F226

Nitrogen top dressing.

5419 ULRICH, ALBERT. Beet sugar production from chemical forms of nitrogen. Spreckels Sugar Beet Bul. 7: 56. Dec. 1943. 66.8 Sp7

5420 \*VLASIUK, P. Ispol'zovanie otkhodov margantsevorudnoi promyshlennosti na udobrenie [The utilization of the scrap from manganese ore for fertilization]. Socialist. Selsk. Khoz. 14(1/2): 75-76. Jan./Feb. 1943.

5421 \*\*WALLACE, T. Renovation of starved orchards by cultivation and manuring. Occ. Publ. Sci. Hort. 1943, No. 4, p. 55-56.

Abs. in Brit. Chem. and Physiol. Abs. B, 3: 233. Oct. 1943. 382 B773

5422 WARD, C. T. Exhausted or improved? Some thoughts on the possible effect of wartime farming on the fertility of our soil. Farmers Weekly [London] 19 (27): 25-26. Dec. 31, 1943. 10 F2226

5423 WASSON, R. A. Nitrogen for grazing crops. Farm for Victory, Dec. 1943, p. 11. 281.8 F226

5424 WASSON, R. A. Top dressing oats. Farm for Victory, Dec. 1943, p. 7. 281.8 F226 Nitrogen.

5425 WEEKS, J. M. Nitrogen for small grains. Farm for Victory, Dec. 1943, p. 8. 281.8 F226

5426 WHITEHEAD, S. B. When gardening on chalk. Field 182: 540. Nov. 20, 1943. 10 P45

5427 WOODLE, H. A. Southern crops need more nitrogen. Farm for Victory, Dec. 1943, p. 5. 281.8 F226

#### Soil Tilth and Tillage

5428 DOES plowing hurt the soil? A symposium of opinions on Edward Faulkner's challenging book, Plowman's Folly... Participants in the discussion: H. A. Wallace, H. H. Bennett, W. A. Albrecht, H. E. Middleton, F. L. Duley, Savoie Lottinville, F. E. Beer, and P. W. Chapman. Land 3(1): 65-79. Summer 1943. 277.8 L22

5429 GILL, N. T. Winter frosts help spring re-seeding. Important factors in the preparation of the soil for the direct re-sowing of old grassland. Farmers Weekly [London] 19(24): 28. Dec. 10, 1943. 10 F2226

5430 HENDRICKSON, B. H., CARREKER, J. R., and ADAMS, W. E. Stubble mulch in the southern Piedmont. U.S. Soil Conserv. Serv. Soil Conserv. 9: 139-142. Dec. 1943. 1.6 So3S

5431 HOLLIDAY, CECYL. The culture of earthworms. Organic Gard. 3(2): 13. Aug. 1943. 56.8 Or3

5432 HOWARD, ALBERT. Humus and artificials. Organic Gard. 3 (2): 16-17. July 1943. 56.8 Or3

5433 HUNT, RUSSELL. Wanted for the burley crop - better feeding. Prog. Farmer, Ky.-Tenn. Ed. 59 (1): 11, 42. Jan. 1944. 6 P945K Fertilizers for tobacco.

5434 HUTCHESON, T. B. Victory may depend on 1944 small grain yield. Nitrate application date vital factor in grain production. Farm for Victory, Dec. 1943, p. 6. 281.8 F226

5435 JOHNSTON, J. C. Citrus fertilization. Calif. Cult. 90: 655, 666. Dec. 25, 1943. 6 C12

5436 JUDD, L. Preservation of soil fertility. Three important points which govern successful results. Farmer and Settler 37(31): 9. Sept. 3, 1943. 23 F226

5437 KIME, C. D., JR. Leaching of potash from a sandy citrus soil of Florida. Citrus Indus. 25 (1): 3, 6-7, 18. Jan. 1944. 80 C49

5438 KIPLINGER, D. C. Soil needs of pot plants. South. Florist and Nurseryman 56(9): 6, 24. Nov. 26, 1943. 80 So86

5439 LOUI, DELLA. Hemp responds well to fertilizing plow-sole way. Prairie Farmer [Ind. Ed.] 115(25): 14-15. Dec. 11, 1943. 6 P883B

5440 \*\*LUNDEBLAD, K. Gödslingen och vallbeståndet. Studier på ett demonstrationsfält vid Gisselås. Influence of manuring and fertilizing on the composition of grassland. Studies on a demonstration field at Gisselås. Svenska Vall- o. Mosskulturför. Meddel., No. 9, p. 383-404. 1942.

Abs. in Imp. Bur. Pastures and Forage Crops. Herbage Abs. 13: 199-200. Oct. 1943. 241 Im733

5441 MAGRUDER, J. W., KUHN, A. O., and FEMP, W. P. Permanent pasture fertilization. Md. Farmer 27 (12): 2, 10, 12. Dec. 1943. 6 M362



5442 \*NECHAEV, I. Kak byl poluchen udovennyi urozhai [How a doubled harvest was obtained]. Sovkhoznoe Proizvodstvo 2 (3/4): 18-20. Mar./Apr. 1943. Deals with ploughing and the preparation of the soil for early cultivation.

5443 \*PRIVALOV, V. Rannie i chistye paryosnova vysokogo urozhaiia [Early and clean fallows - the basis of good harvests]. Sovkhoznoe Proizvodstvo 2(5): 20-22. May 1943.

5444 WILSON, M. L. Jefferson and his moldboard plow. Land 3(1): 59-64. Summer 1943. 277.8 L22

#### Drainage, Irrigation, Water Supply, and Flood Control

5445 REE, J. M. Water means life for Egypt. Ct. Prit. and the East 60 (1695): 19-20, 52. Nov. 20, 1943. 286.8 N27

5446 BELL, H. S., and BLANEY, H. F. Sedimentation in reservoirs. Discussion. Amer. Soc. Civ. Engin. Proc. 69: 1630-1633. Dec. 1943. 290.9 Am3P

5447 BURRAGE, C. H. Forestry and land use in a flood-control survey. Jour. Forestry 41: 873-876. Dec. 1943. 99.8 F768

5448 CARNES, ARVY. V-ditches for more food. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59(1): 11. Jan. 1944. 6 P954C

5449 COLLINS, W. D., HOWARD, C. S., and LOVE, S. K. Quality of surface waters of the United States, 1941. U. S. Geol. Survey Water-Supply Paper 942, 74 p., processed. Washington, D. C., 1943. 407 G29W

5450 FRANCIS, C. J. Managing the water from the "roof top" of the nation. U. S. Soil Conserv. Serv. Soil Conserv. 9: 135-137, 142. Dec. 1943. 1.6 So38

5451 GAUTIER, M. S. Los canales de riego en la Republica Dominicana. Rev. de Agr. [Santo Domingo] 34: 321-325. Jan./Feb. 1943. 8 R323

5452 MAITS, BUCKLEY. Drainage programs for low lands. Rural New-Yorker 103 (5571): 2. Jan. 1, 1944. 6 R88

5453 \*MOSOLOV, V. Zaderzhanie talykh vod [On the retention of thawed waters]. Sovkhoznoe Proizvodstvo 2(3/4): 28-29. Mar./Apr. 1943.

How to utilize the melted snow in preserving soil moisture for the dry season.

5454 MUNDT, K. E. Not all dams are damnable! Outdoor Amer. 8 (9): 4-6, 19. Dec. 1943. 410 Iz1

An outline of the conservation assets of the proposed Missouri River project.

5455 NICHOLSON, H. H. Field drainage problems. V. The mole plough. Estate Mag. 43: 318-320. Dec. 1943. 10 Es8

5456 OSORIO, L. H. Algunos apuntes sobre riegos. Tierras y Aguas 5 (55/56): 70-78. July/Aug. 1943. 282.6 T44

5457 PEDRERO M., J. J. Operación y conservación de sistemas de riego. Irrig. en Mex. 24(4): 146-170. July/Aug. 1943. 55.8 Ir76

5458 RAMSAY, ALAN. Power the keynote of drainage. Farmer & Stock-Breeder 57: 1959. Dec. 14, 1943. 10 F228

5459 RICHARDSON, T. C. Come-back in the flooded areas in eastern Oklahoma. Farmer-Stockman 57(1): 3, 20. Jan. 1944. 6 Ok45

5460 ROBERTS, R. H. Stone packed weirs. Rhodesia Agr. Jour. 40: 287-288. Sept./Oct. 1943. 24 R34

5461 ROE, H. B., and SNYDER, C. G. A logical modification of the rational formula for runoff from small agricultural areas. Agr. Engin. 24: 423-427. Dec. 1943. 58.8 Ag83

5462 ROEMER, ELLEN. "Don't depend on rain." Good irrigation practices discussed at annual State convention. Nebr. Farmer 86 (1): 4, 17. Jan. 1, 1944. 6 N27

5463 SCOTT, DUNCAN. Desert flats could produce feed through water spreading, Beach declares. Ariz. Stockman 9: 5. Dec. 1943. 49 Ar4  
Utilization of rainfall.

5464 SMITH, W. E., ROWE, P. B., and JARVIS, C. S. Role of the land during flood periods. Discussion. Amer. Soc. Civ. Engin. Proc. 69: 1611 - 1619. Dec. 1943. 290.9 Am3P

5465 STEARNS, H. T., and MACDONALD, G. A. Geology and ground-water resources of the Island of Maui, Hawaii (including Haleakala section, Hawaii National Park). Hawaii. Div. of Hydrography. Bul. 7, 344 p. Honolulu, 1943. 292 St32

Maps in pocket.

5466 TALMAGE, H. R. The new type of overhead irrigation. Iowa State Hort. Soc. Proc. (1942) 77: 321-325. 81 Io9

5467 TWENHOFEL, W. H., and others. The sediments of four woodland lakes, Vilas County, Wisconsin. (To be cont.) Amer. Jour. Sci. 242: 19-44. Jan. 1944. 470 Am34

V. E. McKelvey, S. A. Carter, and Henry Nelson, joint authors.

#### Erosion and Erosion Control

5468 ADRIANCE, G. W. Winter cover crops. Tex. Farming and Citric. 20(5): 9-10. Nov. 1943. 80 T31

In citrus orchards.

5469 ANDERSON, DARWIN. Surface mulch on range soil helps to conserve water for maximum forage production. Cattleman 30(7): 62. Dec. 1943. 49 C29

5470 \*BALLY, W. Soil deterioration and soil conservation in the Union of Soviet Socialist Republics. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. 34: 37T-70T. Feb. 1943. Ref., p.68T-70T.

5471 BENNETT, H. H. Food comes from the soil. Geog. Rev. 34: 57-76. Jan. 1944. 500 Am35G

Soil conservation is necessary for a permanent agriculture and ample food production.

5472 BRINK, WELLINGTON. Today's bond purchases assure tomorrow's tractors. Soil conservation districts acquire sizeable portfolio of Government securities. U. S. Soil Conserv. Serv. Soil Conserv. 9: 126-127. Dec. 1943. 1.6 So3S

5473 BROMFIELD, LOUIS. Friends of the land. Reader's Digest 44 (1): 61-64. Jan. 1944. 110 R

5474 BUCHNER W., ENRIQUE. Algunas consideraciones sobre la erosión. Campesino [Santiago, Chile] 75: 572-577. Sept. 1943. 9.3 Sol2

5475 CUMBERLAND, K. B. Contrasting regional morphology of soil erosion in New Zealand. Geog. Rev. 34: 77-95. Jan. 1944. 500 Am35G

5476 DEERING, FREDIE. When will we save our soil? Farmer-Stockman 57(1): 5, 14-16. Jan. 1944. 6 Ok45

Soil conservation districts and the need of community action to save our farms.

5477 GEORGIA bankers encourage state-wide soil conservation plan. South. Banker 81(6): 13-14, 16. Dec. 1943. 248.8 So8

5478 GRAVES, GEORGE. Robbing land of its precious loam. Horticulture 21: 453-454. Dec. 15, 1943. 80 H787

Conserve top soil in urban areas when building.

5479 KENWARD, T. C. Soil conservation districts in Ohio. Ohio Jour. Sci. 43: 257-262. Nov. 1943. 410 Oh3

5480 LANGLANDS, D. J. Must make national attack on soil erosion; strict control proposed. Economic aspects of problem are stressed. Land [Sydney], No. 1664, p. 6. Oct. 29, 1943. 23 L22

5481 LOWDERMILK, W. C. China's farms fight. U.S. Soil Conserv. Serv. Soil Conserv. 9: 128-135. Dec. 1943. 1.6 So3S



- 5482 MUSSER, R. H. Guernseys and grass on Grandad's Bluff, LaCrosse, Wis.,. Guernsey Breeders' Jour. 65: 9-11, 22. Jan. 1, 1944. 43.8 G93  
Erosion control under dairy farm conditions.
- 5483 O'CONNOR, H. R. Following the contours. Md. Farmer 27(12): 12, 14. Dec. 1943. 6 M362  
Praises the democracy of Maryland soil conservation districts.
- 5484 RAMSER, C. E. Grassed waterways for handling runoff from agricultural areas. Agr. Engin. 24: 412-416. Dec. 1943. 58.8 Ag83
- 5485 REDDICK, H. E. Conservation of resources in war. How much shall we sacrifice? West. Farm Econ. Assoc. Proc. (1943) 16: 147-152. 280.83 W52
- 5486 RENSHAW, BILL. Knox County [Ind.] saves soil through proper land use. Prairie Farmer [Ind. Ed.] 115 (26): 5. Dec. 25, 1943. 6 P883B  
Soil conservation through proper drainage.
- 5487 RICE, G. L., and McFADDEN, HAYNES. A soil conservation program. Banking 36 (6): 52. Dec. 1943. 284.8 Am3
- 5488 SOUTER, R. J. DE N. Erosion and its control. Austral. Milk & Dairy Prod. Jour. 10(10): 11. Oct. 1943. 44.8 Au72
- 5489 TERRACING with the moldboard tractor plow. Farm Impl. News 64(25): 28-30. Dec. 9, 1943. 58.8 F22
- 5490 VAN DERSAL, W. R., and MOHAGEN, V. C. Soil conservationists at war. U. S. Soil Conserv. Serv. Soil Conserv. 9: 123-125. Dec. 1943. 1.6 So3S

#### Sanitation

- 5491 LUDWIG, R. A., and HENRY, A. W. Studies on the microbiology of recontaminated sterilized soil in relation to its infestation with *Ophiobolus graminis* Sacc. Canad. Jour. Res. C (Bot. Sci.) 21: 343-350. Nov. 1943. 470 C16

#### MATERIALS FOR SOIL IMPROVEMENT

- 5492 AMUNATEGUI, FRANCISCO. El salitre chileno en Portugal. Campesino [Santiago, Chile] 75: 562-564. Sept. 1943. 9.3 Sol2
- 5493 RICHARDSON, T. C. Better acres from rocks. Farmer-Stockman 57 (1): 10. Jan. 1944. 6 Ok45  
Limestone and phosphate rock.
- 5494 STEPHENSON, R. E. The nitrogen problem. Calif. Cult. 90: 634. Dec. 11, 1943. 6 C12
- 5495 TALMAGE, H. R. Fertilizers: sources, materials, and costs. Iowa State Hort. Soc. Proc. (1942) 77: 319-321. 81 Io9
- 5496 THORNTON, A. F. Delightful fertilizer business. Begonian 10: 214, 218. Dec. 1943. 95.511 B39
- 5497 VOLK, N. J. Why Alabama has not requested 4-16-0 as a fertilizer grade for 1944. Farm for Victory, Dec. 1943, p.14. 281.6 F226

#### Primary Materials (N, P, and K Fertilizers)

- 5498 SMITH, A. M. Ammonium nitrate in mixed fertilizers. Chem. and Engin. News 21: 2100-2101. Dec. 25, 1943. 381 J825N  
U.S. WAR PRODUCTION BOARD. Potash. Fed. Register 9: 280-281. Jan. 7, 1944. 169 F31  
Allocation Order M-291, as amended Jan. 6, 1944.
- 5500 WOODS, J. A. There has been some progress in the nitrate situation. Prospects brighter for an adequate supply from Chile in time for 1944 crops. Farm for Victory, Dec. 1943, p.2. 281.8 F226

#### Mixed Fertilizers and Fertilizer Technology

- 5501 U.S. OFFICE OF PRICE ADMINISTRATION. Mixed fertilizer, superphosphate and potash. Fed. Register 9: 288-299. Jan. 7, 1944. 169 F31  
2d Revised Maximum Price Regulation 135, including Amend. 1.

#### Manures and Composts

- 5502 COCHRAN, O. A. Tuberous rooted begonia compost. Begonian 10: 211, 218. Dec. 1943. 95.511 B39
- 5503 DYMOND, G. C. Habitation wastes and composting in the sugar belt. So. African Sugar Technol. Assoc. Proc. (1943) 17: 53-54. 65.9 So83  
Appendix, p.54-56.
- 5504 ÉIRE. DEPARTMENT OF AGRICULTURE. Compost. Éire. Dept. Agr. Leaflet 25, 4 p. Dublin, 1943. 10.5 Ir42S
- 5505 \*KEDROV-ZIKEMAN, O. K. Primenenie mestnykh udobrenii v vostochnykh raionakh [On the application of local fertilizers in the eastern regions]. Sovkhoznoe Proizvodstvo 3(1/2): 23-25. Jan./Feb. 1943.
- 5506 VAN DERLINDEN, LEE. Farm manure as a source of income. New Agr. 26(3): 8-9. Dec. 1943. 66.6 Su32

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

- 5507 ASSURING western pines' supply. Amer. Lumberman, No. 3271, p. 23-24. Dec. 11, 1943. 99.81 Am3  
Policies and practices of the Western Pine Assoc.
- 5508 BELYEA, H. C. Marketing Christmas trees. Rural New Yorker 102: 593, 597. Dec. 11, 1943. 6 R88
- 5509 BENTLEY, B. H. Marketing timber from Ohio's State forests. Ohio Forest News, No. 39, p. 7-9. July 1943. 99.8 Oh32
- 5510 BIRD, JOHN. They get out the wood; New England farmers who established a novel woodland co-op are profiting from better financing, marketing and production. Country Gent. 114(1): 16, 38. Jan. 1944. 6 C883  
The Forest Products Association, Inc., of Groveton, N. H., was the first farmers' cooperative of its kind in the United States.
- 5511 CHAMPION, H. G. The claims of British forestry. Country Life [London] 94: 854-856. Nov. 12, 1943. 80 C83  
"A four-year plan for agriculture - III."  
Although the series of which this forms a part deals with an agricultural policy for the next 4 years, this article discusses a plan for forestry for the first 5 years after the war.
- 5512 COLLINGWOOD, G. H. The facts about what war is doing to our forests, the present balance between forest growth & timber harvest, outlook for the forest's future. Amer. Lumberman, No. 3271, p. 19-20. Dec. 11, 1943. 99.81 Am3  
Stresses conservative practices of modern industrial forestry.
- 5513 DEMMON, E. L. A forestry program for the lower South. South. Lumberman 16(2105): 200-202. Dec. 15, 1943. 99.81 So82
- 5514 FRENCH, C. R. Growth is the key. How forest production industries are meeting their responsibilities indicated by survey. South. Lumberman 16(2105): 214-215. Dec. 15, 1943. 99.81 So82
- 5515 GRAEBER, R. W. Worth-while rules for selling farm timber. Prog. Farmer, Ky.-Tenn. Ed. 69 (1): 10. Jan. 1944. 6 P945K
- 5516 MARRITT, I. C. Regulating the management of privately owned woodland. Forestry Chron. 19: 219-227. Dec. 1943. 99.8 F7623  
Includes comments by K. B. Brown, W. M. Robertson, and R. Delisle.



- 5517 MEYER, W. H. Amortization in stand-growth and depletion problems. Jour. Forestry 41: 920-922. Dec. 1943. 99.8 F768  
 5518 PARKER, L. H. Timber taxation. South. Lumberman 16(2105): 264, 267-268, 270. Dec. 15, 1943. 99.81 So82

5519 SOUTHERN pines' good program. Amer. Lumberman, No. 3271, p. 21-22. Dec. 11, 1943. 99.81 Am3

Describes "Tree Farms System" sponsored by Southern Pine Association.

5520 SPRAGUE, J. R. Christmas-tree man. Sat. Evening Post 216(25): 24-25, 48-49. Dec. 18, 1943. 110 S

Account of year-round Christmas-tree harvesting in the swamps of northern Minnesota.

5521 TOLER, BROOKS. Tree farms in the South. South. Lumberman 16(2105): 137-139. Dec. 15, 1943. 99.81 So82

5522 THE WEST Coast's record of progress. Amer. Lumberman, No. 3271, p. 25-26. Dec. 11, 1943. 99.81 Am3

Industrial forestry policies of the West Coast Lumbermen's Assoc.

#### Exports and Imports

5523 HEUER, D. F. The 1944 hardwood export trade. South. Lumberman 16(2105): 169-170. Dec. 15, 1943. 99.81 So82

#### FOREST DESCRIPTION AND RESOURCES

5524 BUTTRICK, P. L. Forests under Hitler. Amer. Forests 49: 566-570, 601. Dec. 1943. 99.8 F762

5525 EYES OF INDUSTRY turning toward Central, South American forests; Office of Economic Warfare locating and helping to open new stands of timber to assist in relieving extreme shortages in pine, white oak, white ash, mahogany and balsa. Miss. Val. Lumberman 74(50): 10-11, 20. Dec. 10, 1943. 99.81 M69  
 "Based on information supplied by E. T. Montgomery ...and John M. Robey..."

5526 U. S. OFFICE OF THE COORDINATOR OF INTER-AMERICAN AFFAIRS. Future forest vistas in American republics; scientists recently returned from wide-ranging surveys throw spotlight on variety of attractive possibilities. U. S. Dept. Com. Foreign Com. Weekly 13(12): 11, 29, 30, 31. Dec. 18, 1943. 157.54 F763

#### Individual Genera and Species

5527 BALFOUR, F. R. S. Populus trichocarpa. Torrey and Gray. Scot. Forestry Jour. 57: 50-53. Aug. 1943. 99.9 R81T

Includes report of peeling test by C. S. Brown.

5528 CHARDON, C. E. Los pinares de la República Dominicana. Rev. de Agr. [Dominican Repub.] 34: 329-335. Jan./Feb. 1943. 8 R323

5529 CLAPPER, R. B., and GRAVATT, G. F. The American chestnut; its past, present and future. South. Lumberman 16(2105): 227-229. Dec. 15, 1943. 99.81 So82

5530 COLLINGWOOD, G. H. Pecan. Carya pecan (Marshall) Britton. Amer. Forests 49: 592-593. Dec. 1943. 99.8 F762

5531 COOKE, G. B. Growing cork oak in the South. Amer. Forests 49: 582-584, 604. Dec. 1943. 99.8 F762

5532 STEARNS, J. L. Balsa, its growth, characteristics and uses. South. Lumberman 16(2105): 216-220. Dec. 15, 1943. 99.81 So82

#### FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Plant Pathology in the Plant Science section; articles on forest insects in the Entomology section.

#### Fire

5533 ALDERMAN, O. A. Fire control expanded [in Ohio]. Ohio Forest News, No. 39, p. 9-10. July 1943. 99.8 Oh32

5534 COOK, L. F. Who causes fires in the woods? Jour. Forestry 41: 919-920. Dec. 1943. 99.8 F768

5535 ECKELBERRY, EVERETT. Seeing is believing. Ohio Forest News, No. 39, p. 10-11. July 1943. 99.8 Oh32

Tells about forest fires and the work of the new aerial fire patrol in eastern Ohio.

5536 GREENOCK, BOB. Forest and brush fires sweep southern California. Fire Engin. 96: 754-755. Dec. 1943. 296.68 F

5537 VILLENEUVE, G. O. Forest meteorology in Quebec. Forestry Chron. 19: 203-218. Dec. 1943. Refs. 99.8 F7623

On the development of meteorological services in Quebec with special reference to forest-fire protection.

5538 WIRT, G. H. Forest protection. Pa. Dept. Forests and Waters. Serv. Letter 14: 99-102. Nov./Dec. 1943. 99.9 P38S

On the U. S. Forest Fire Fighters Service.

#### Meteorological Injuries

5539 CURTIS, J. D. Some observations on wind damage. Jour. Forestry 41: 877-882. Dec. 1943. 99.8 F768

Based on a study of conditions in numerous stands in Massachusetts and Connecticut following the hurricane of 1938.

#### FOREST ADMINISTRATION AND MANAGEMENT

5540 FROST, E. T. Omahuta State Forest. Forest and Bird, No. 70, p. 10-11. Nov. 1943. 413.9 N42

Care and management.

5541 HOUGH, A. F. Methods of harvesting sawtimber from forests in the high plateaus section of Pennsylvania. Jour. Forestry 41: 898-903. Dec. 1943. 99.8 F768

Suggests cutting practices to take advantage of the rapid growth rates shown by some of these stands.

5542 LAMBRECHT, DON. The Saginaw Forest. Mich. Univ. School Forestry and Conserv. Forestry Club. Mich. Forester (1943) 24: 28-30. 99.9 M588

5543 McCULLOCH, W. F. Forest practices in Oregon. Oreg. State Bd. Forestry. Bul. 7, 71 p. Salem, June 1943. 99.9 Or32B

Includes text of Oregon Forest Conservation Act of 1941, as amended in 1942.

5544 REYNOLDS, R. R. Employment requirements of well-managed timberland. South. Lumberman 16(2105): 149-150, 152. Dec. 15, 1943. 99.81 So82

#### Farm Woodlands

5545 ALBRIGHT, L. R. Christmas greens - a timely cash crop. R. I. State Col. Ext. Serv. Better Rural Life 4(12): 1-2, 4. Dec. 1943. 275.29 R34B

5546 BALDWIN, LEWIS. Forestry in Ozark cooperatives. Amer. Forests 49: 586-587, 605. Dec. 1943. 99.8 F762

5547 CAMPBELL, R. S. Trees, grass and cattle in the Gulf States. South. Lumberman 16(2105): 171-173. Dec. 15, 1943. 99.81 So82



5548 CUMMINGS, M. B. Windbreaks for orchard. New England Homestead 116(25): 5. Dec. 25, 1943. 6 N442

5549 DAVIS, ELRICK. Three generations of tree farmers. Country Book Mag. 3(3): 66-70. Winter 1944. 6 C836

Account of successful farm woodland and small saw-mill management by a Maryland family.

5550 HINE, W. E. Farm forestry. South. Lumberman 16(2105): 231-234. Dec. 15, 1943. 99.81 So82  
Describes Farm Woodland Marketing Project in the Southern States.

5551 PRESTON, J. F. Goodbye to the bush; a note about Vermont. Land 3: 80-82. Summer 1943. 279.8 L22

The place of the woodland, particularly the "sugar bush" in farm economy in Vermont.

5552 ROBERTSON, W. M. Some personal views concerning woodlot management. Forestry Chron. 19: 235-236. Dec. 1943. 99.8 F7623

#### Mensuration

5553 DAVEY, REGINALD. Perspective in relation to the measurement of standing trees. Jour. Forestry 41: 895-897. Dec. 1943. 99.8 F768

5554 DAVEY, REGINALD. Tree measurements. Scot. Forestry Jour. 57: 57. Aug. 1943. 99.9 R81T  
Progress report of Scheme for Pooling Tree Measurements.

5555 FORSAITH, C. C. Statistics for foresters. N. Y. State Col. Forestry, Syracuse Univ. Bul., v. 16. No. 4, 69 p. Syracuse, 1943. (Tech. Pub. No. 62) 99.9 N486T

5556 LEXEN, BERT. Bole area as an expression of growing stock. Jour. Forestry 41: 883-885. Dec. 1943. 99.8 F768

#### SILVICULTURE

See Items 5041-5050

#### LUMBERING

5557 HERCKES, E. C. Southern pine in transit. South. Lumberman 16(2105): 132-133. Dec. 15, 1943. 99.81 So82

5558 CARY, N. L. Wood for war. Mich. Univ. School Forestry and Conserv. Forestry Club. Mich. Forester (1943) 24: 39-40, 53. 99.9 M588

Lumber production in the western pine region.

5559 KIRKLAND, B. P. Productivity of logging and sawmill labor as affected by tree size. Jour. Forestry 41: 869-872. Dec. 1943. 99.8 F768

5560 LANDGRAF, M. F. G I forestry in Kauai. Hawaii Farm and Home 6(12): 6-7. Dec. 1943. 25 H3191

Logging and milling activities of the U. S. Army in Hawaii.

5561 LINN, E. R. Southern hardwood production in wartime. South. Lumberman 16(2105): 135-136. Dec. 15, 1943. 99.81 So82

5562 PARHAM, C. W. Transportation prospects for hardwoods in 1944. South. Lumberman 16(2105): 195-196. Dec. 15, 1943. 99.81 So82

5563 \*RAJKOVSKIĬ, A. V. Organizatsiia truda v lesu [Organization of labor in the forest]. Lesnaja Promysh. 1943, No. 3, p. 5-7. Mar. 1943.

5564 \*WIL'KE, G. A. Paketnaja pogrutzka drov na platformy uskoĭ kolei [Packet-loading of wood on cars of narrow-gauge railway]. Lesnaja Promysh. 1943, No. 3, p. 17. Mar. 1943.

#### Lumber Industry

5565 HERCKES, E. C. Southern pine at war. Com. Bul. 85(4530): 12. Dec. 11, 1943. 286.8 C736

5566 CAULKINS, F. J. 1943 lumber situation in review. Amer. Lumberman, No. 3272, p. 37-38. Dec. 25, 1943. 99.81 Am3

5567 COMMERCIAL BULLETIN. Semi-annual lumber survey. 85th year, No. 4530, 12 p. Boston, Dec. 11, 1943. 286.8 C736

5568 COMPTON, WILSON. The South points the way. South. Lumberman 16(2105): 131-132. Dec. 15, 1943. 99.81 So82

Prediction of post-war trends in the lumber industry.

5569 DARLING, S. L. The wholesaler's future. South. Lumberman 16(2105): 230. Dec. 15, 1943. 99.81 So82

5570 GRIFFEE, W. E. Where California's pine lumber goes. Calif. Lumber Merchant 22(12): 18, 20. Dec. 1943. 99.81 C12

5571 LECLAIR, W. J. Canada's lumber industry in the war effort. South. Lumberman 16(2105): 197-199. Dec. 15, 1943. 99.81 So82

5572 LINN, E. R. The Southern hardwood industry in war. South. Lumberman 16(2105): 239-240. Dec. 15, 1943. 99.81 So82

5573 THE LUMBERMEN'S annual forum. South. Lumberman 16(2105): 125-130. Dec. 15, 1943. 99.81 So82

Letters from representative leaders in various branches of the trade, giving their views on the present and future conditions in the industry.

5574 MESAVAGE, CLEMENT. Estimating monthly lumber production in the lower South. South. Lumberman 16(2105): 175-177. Dec. 15, 1943. 99.81 So82

5575 ROBINSON, LEE. Southern hardwood problems. South. Lumberman 16(2105): 134-135. Dec. 15, 1943. 99.81 So82

5576 TITUS, R. T. How the West Coast Lumber Industry served the Nation in 1943. Calif. Lumber Merchant 22(12): 52-53. Dec. 1943. 99.81 C12

5577 VISUALIZING America's lumber harvest. Amer. Lumberman, No. 3271, p. 18. Dec. 11, 1943. 99.81 Am3

Includes chart showing regional distribution of lumber production, 1869-1941.

#### Sawmills

5578 CRAIG, R. B. The little fellow and the 1942 lumber cut of the lower South. South. Lumberman 16(2105): 159-160. Dec. 15, 1943. 99.81 So82

5579 HUTCHISON, S. B. Licking the lumber gremlins. South. Lumberman 16(2105): 203-205. Dec. 15, 1943. 99.81 So82

Difficulties in wartime sawmill operation.

5580 LOCKARD, C. E. Where are we now? South. Lumberman 16(2105): 237-238. Dec. 15, 1943. 99.81 So82

Production in Southern sawmills in 1942 and 1943.

5581 \*SHODE, G. A. Prispodobleniia dlia komplektnoĭ vypilooki aviaplanki iz neobreznykh dosok [Contrivances for the complete sawing out of airplane lumber from untrimmed boards]. Lesnaja Promysh. 1943, No. 4, p. 21-23. Apr. 1943.

#### WOOD PROPERTIES

##### Chemical and Physical Properties

5582 EADES, H. W. Investigation of brown streak in western hemlock used for aircraft purposes. Brit. Columbia Lumberman 27(11): 50, 52. Nov. 1943. 99.81 B77

5583 STEARNS, J. L. Proper selection of white oak bending stock. South. Lumber Jour. 47(12): 34, 76-77. Dec. 1943. 99.81 So8  
Also in South. Lumberman 16(2105): 224-225. Dec. 15, 1943. 99.81 So82



Preservative Treatment

- 5584 AMERICAN WOOD PRESERVERS' ASSOCIATION. Proceedings of the thirty-ninth annual meeting. 249 p. Washington, 1943. 300.9 Am3
- 5585 BUCKMAN, S. J., PERA, J. D., and BROWNE, R. Y. Non-pressure treatment of wood. II-Soaking treatment of preheated Southern pine sapwood with a low viscosity oil solution of pentachlorophenol. South. Lumberman 16(2105): 156-158. Dec. 15, 1943. 99.81 So82
- 5586 DREITZLER, R. F. Service records of creosoted piles in four Northern Pacific Ry. wharves located in the Seattle harbor. Amer. Wood Preservers' Assoc. Proc. (1943) 39: 112-114. 300.9 Am3
- 5587 HELPHENSTINE, R. K., JR. Quantity of wood treated and preservatives used in the United States in 1942. Amer. Wood Preservers' Assoc. Proc. (1943) 39: 162-188. 300.9 Am3
- 5588 HICKS, P. R. War construction gives impetus to fireproofed wood. South. Lumberman 16(2105): 221-223. Dec. 15, 1943. 99.81 So82
- 5589 HUNT, G. M., and SNYDER, T. E. An international termite exposure test, fourteenth progress report. Amer. Wood Preservers' Assoc. Proc. (1943) 39: 74-89. 300.9 Am3
- Compares effectiveness of various preservatives in protecting wood from decay and termites in various parts of the world.
- 5590 KIRKBRIDE, W. H. Report of 1942 inspection of piling in Southern Pacific structures on San Francisco Bay. Amer. Wood Preservers' Assoc. Proc. (1943) 39: 114-121. 300.9 Am3
- 5591 LEUTRITZ, J., JR. Outdoor tests of wood preservatives. Bell Lab. Rec. 22: 179-182. Dec. 1943. 335.8 B412

Seasoning and Conditioning

- 5592 \*PEICH, N. N. Sushilo maloĭ emkosti dlia aviazagotovok [A drying kiln of small capacity for airplane-wood preparation]. Lesnaia Promysh. 1943, No. 4, p. 14-17. Apr. 1943.
- 5593 TIEMANN, H. D. How wood behaves in drying. 3. More about moisture gradients; sapwood and hardwood. South. Lumberman 16(2105): 281-282. Dec. 15, 1943. 99.81 So82

WOOD UTILIZATION

- 5594 BURT, W. R. What forest products are doing for the war effort. Mich. Univ. School Forestry and Conserv. Forestry Club. Mich. Forester (1943) 24: 22-24, 48-49. 99.9 M588
- 5595 DOSKER, C. D. Lumber laminates; the key to the future markets. South. Lumberman 16(2105): 153-155. Dec. 15, 1943. 99.81 So82
- 5596 ELLIS, B. R. World-wide distribution of tidewater red cypress war materials. South. Lumberman 16(2105): 211-213. Dec. 15, 1943. 99.81 So82
- 5597 GOULD, M. E. Household utensils and implements of wood. South. Lumberman 16(2105): 242, 244, 246, 248. Dec. 15, 1943. 99.81 So82
- 5598 HALL, J. A. Food from wood. Land 3: 5-11. Summer 1943. 279.8 L22
- Technical and economic aspects of producing yeast for animal feed from trees grown on submarginal land.
- 5599 HESS, R. W. The wood industry begins to waken. Yale Univ. School Forestry. Trop. Woods, No. 76, p. 1-11. Dec. 1, 1943. 99.08 Y1fr
- 5600 LOTHERS, J. E. Live load reactions to timber stringers. Engin. News-Rec. 131(23): 73-75. Dec. 2, 1943. 290.8 En34
- 5601 PATRONSKY, L. A. At the Wood Utilization Laboratory [of the University of Michigan]. Mich. Univ. School Forestry and Conserv. Forestry Club. Mich. Forester (1943) 24: 44-46. 99.9 M588

- 5602 RENNICK, L. R. Wood and sawdust and their utilization in British Columbia. Scot. Forestry Jour. 57: 55-56. Aug. 1943. 99.9 R81f
- 5603 SCHAEFER, E. M. Industrial use of wood waste. South. Lumberman 16(2105): 284, 286. Dec. 15, 1943. 99.81 So82
- 5604 SERGI, FERNANDO. El momento de la madera. Chacra 14(157): 33-36. Nov. 1943. 9 C34
- Developments in wood utilization.
- 5605 STEARNS, J. L. Can wood compete in the post-war world? South. Lumberman 16(2105): 255, 258. Dec. 15, 1943. 99.81 So82
- 5606 TRASHNER, JAMES. Washington scientists are blocked in plan to make all war alcohol from waste wood. Grape Belt and Chautauqua Farmer 49 (97): 9. Dec. 7, 1943. 110 G76
- 5607 WALLACE, J. J. Use of wood in aircraft design and construction. Part I. Aero Digest 43(5): 190-191, 284, 288, 290. Nov. 1943. 333.8 Ae82

Building Construction

- 5608 GIESE, HENRY. Glued laminated rafters. Iowa State Hort. Soc. Proc. (1942) 77: 349-354. 81 Io9
- 5609 KEITH, L. P. Structural lumber comes of age. West. Soc. Engin. Jour. 48: 157-166. Dec. 1943. 290.9 W522
- 5610 MACKINTOSH, CHARLES. Preventing failure of timber joints. Civ. Engin. 13: 573-575. Dec. 1943. 290.8 C49
- 5611 STEPHAN, J. T. Fabricating laminated beams or structural members. South. Lumberman 16(2105): 177. Dec. 15, 1943. 99.81 So82

Cork

- 5612 COOKE, G. B., and GREENAN, G. D. Cork stripping tour in California. Crown 32(11): 14-15, 20. Nov. 1943. 389.8 C88
- Illustrated account of harvesting cork from two groups of trees at Kearney Plantation, near Fresno.

Plastics

- 5613 BERLINER, J. F. T. Methylolurea-treated wood. South. Lumberman 16(2105): 140-141. Dec. 15, 1943. 99.81 So82
- 5614 IT'S WOOD - but it's different; "war baby" used for plane propellers may have widespread post-war applications. South. Lumberman 16(2105): 208-210. Dec. 15, 1943. 99.81 So82
- Resin-impregnated wood.
- 5615 SAWDUST cement (Part 1). Wood 11(8): 248-250. Nov. 1943. 99.82 W855

Pulp and Paper

- 5616 COCKRELL, R. A. The role of paperboard in the packaging of war material. Paper Trade Jour. 23 (TAPPI Sect.): 239-240. Dec. 2, 1943. 302.8 P196
- 5617 KILLINGER, J. E. Lamination of weather-proof solid fibre board. Fibre Containers 28(11): 42-44, 49-50, 52. Nov. 1943. 286.8 F44
- 5618 LEROUX, R. J. Hydraulic log barking, log chipping. Paper Mill News 66(52): 11-13, 19. Dec. 25, 1943. 302.8 P195
- 5619 MALCOLMSON, J. D. The situation in fibre containers. Paper Mill News 66(52): 16. Dec. 25, 1943. 302.8 P195
- 5620 MORROW, M. G. Paper finds new uses. Can be treated by various methods to give it high wet-strength in order that it can be used to make such things as parachutes and mouth masks. Sci. News Letter 45: 26-27. Jan. 8, 1944. 470 Sci24



5621 STEVENSON, L. T. The new wood pulp allocation plan. Paper Trade Jour. 117(24): 10, 12. Dec. 9, 1943. 302.8 P196  
Also in Paper Mill News 66(50): 19. Dec. 11, 1943. 302.8 P195

#### Veneers and Plywood

5622 BROWN, A. L. Veneered casegoods construction. Veneers and Plywood 37(12): 10-12. Dec. 1943. 99.82 V55  
5623 DEVLIN, C. E. Plywood research. South. Lumberman 16(2105): 303-304, 306. Dec. 15, 1943. 99.81 So82  
5624 ELLIS, H. J. Veneer jointers and their operation. Veneers and Plywood 37(12): 22-23. Dec. 1943. 99.82 V55  
5625 HEEBINK, B. C. Bag-molding of plywood. Wood Prod. 48(12): 26, 28, 30, 32. Dec. 1943. 99.82 W856  
5626 HORINE, IRVING. History of plywood in the South. South. Lumberman 16(2105): 151-152. Dec. 15, 1943. 99.81 So82  
5627 OTTINGER, L. Plastic plywood. South. Lumberman 16(2105): 308-310, 312-314. Dec. 15, 1943. 99.81 So82  
5628 SHERMAN, J. V. Wood stages a comeback. Plywood the natural heir to lumber's biggest markets. Barron's 24: 5-6. Jan. 3, 1944. 284.8 B27  
5629 STONE, E. W. What about electrostatic heating? Veneers and Plywood 37(12): 16-17. Dec. 1943. 99.82 V55  
5630 THADEN, H. V. A new process for molding resin bonded plywoods; enlarges field for bonding of wood laminates of flat, compound and spherical shapes. Wood Prod. 48(12): 14-16, 45. Dec. 1943. 99.82 W856

#### MISCELLANEOUS

##### Education

5631 COLLINS, CHAPIN. Constructive forest information for everybody. South. Lumberman 16(2105): 165-166. Dec. 15, 1943. 99.81 So82  
Account of the activities of the public relations department of American Forest Products Industries.  
5632 LEHMANN, WES. Wartime programs at the School [of Forestry and Conservation]. Mich. Univ. School Forestry and Conserv. Forestry Club. Mich. Forester (1943) 24: 25, 50. 99.9 M588  
5633 \*MAELAND, OLAV. Tilleggskurs i skogbruk ved landbrukskular. Skogskulekurset ved Telemarks Landbrukskule. Norsk Landbruk 9: 155-157. June 11, 1943.  
On the forestry course given at Telemark's Landbrukskule.

##### Forest Influences

5634 WILM, H. G. Determining net rainfall under a conifer forest. Jour. Agr. Res. 67: 501-512. Dec. 15, 1943. 1 Ag84J

##### Wildlife

5635 MORRIS, R. F. The small forest mammals of New Brunswick and the Gaspé. Acadian Nat. 1: 27-42. May 1943. Refs., p. 40-42. 410.9 N42A  
Deals especially with the importance of small mammals in the control of Eastern spruce sawfly [Diprion hercyniae].  
5636 PEARSON, A. M. White-tails like acorns; State's deer fatten on them in December and enjoy sumac, greenbrier and dogwood as secondary foods. Ala. Conserv. 15(6): 8-9, 12. Dec. 1943. 279.8 A11

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

5637 HAZEL, L. N. The genetic basis for constructing selection indexes. Genetics 28: 476-490. Nov. 1943. 442.8 G28

Index for measuring the net merit of breeding animals.

5638 \*LISKUN, E. F. Dostizhenifa po zhivotnovodstvu v sovetskoi strane (The progress of livestock breeding in USSR). Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 6-9. 1942.

5639 McPHEE, HUGH, and EATON, O. M. Tests deny livestock sex control claims. Jersey Bul. 62: 1444-1445, 1480-1482. Dec. 5, 1943. 43.8 J48

##### FEEDS AND FEEDING

5640 \*\*AXELSSON, JOEL. Das futterverdaunungsvermögen des hühners und des kaninchens. Arch. f. Kleintierzucht 3: 81-99. 1942.

Abs. in Biol. Abs. 17: item 20263. Oct. 1943. 442.8 B526

5641 BETHKE, R. M. The feed dealer's part; feed conservation in livestock production. Feed-stuffs 15(49): 31-33. Dec. 4, 1943. 286.81 F322

5642 BETHKE, R. M. Where to get vitamins and minerals for livestock feedings. Flour & Feed 44(7): 16, 18. Dec. 1943. 298.8 F66

5643 BRIGGS, H. M. Certain feeds necessary if profit is expected from livestock. Cattleman 30(7): 72. Dec. 1943. 49 C29

5644 BRIGGS, H. M. Right feeds necessary for farm livestock. Coastal Cattleman 9(10): 13-14. Dec. 1943. 43.8 C63

5645 COMMON, R. H. The feeding-value of flax by-products. Empire Jour. Expt. Agr. 11: 229-233. July/Oct. 1943. 10 Em7

Gives the composition of linseed, whole flax bolls, flax chaff, and other residues.

5646 CRESWELL, A. W. Microscopic analysis of feeds. Flour & Feed 44(7): 42-44. Dec. 1943. 298.8 F66

Presents opinions of State feed control officials, based upon survey in 24 States and Canada.

5647 DERICKSON, C. V. Depriving livestock, growers of protein feed. Pacific Rural Press (North. Ed.), 146: 293. Nov. 27, 1943. 6 P112

Also in Pacific Rural Press (South. Ed.), 146: 293. Nov. 27, 1943. 6 P112A

5648 EUDALY, E. R. Solving the protein shortage for livestock. Farm and Ranch 62(12): 11. Dec. 1943. 6 T31

5649 GARRIGUS, W. P. Feed efficiency is essential requisite of our feed to food program. Feed Bag 19(12): 19-20, 107. Dec. 1943. 389.78 F32

5650 GRASS silage demonstrations 1939-1941 conducted by the Fire Department of Agriculture. Fire Dept. Agr. Jour. 11: 5-22. Mar. 1943. 10 Ir2J

5651 HORSE AND MULE ASSOCIATION OF AMERICA, INC. Prepare now for 1944 pastures. Natl. Horseman 79(12): 49-50. Dec. 1943. 42.8 N21

Discusses the results of 20 years of work on pasture management by the Illinois Agricultural Experiment Station and gives average gains per acre of beef cattle on different forage crops.

5652 HUNTER, J. E. Nutritional aspects of the feed problem. Grain & Feed Jours. Consolidated 91: 482. Dec. 8, 1943. 298.8 G762

Also in Feedstuffs 15(51): 20-22, Dec. 18, 1943 (286.81 F322); and in Feed Bag 19(12): 69, 111, Dec. 1943 (389.78 F32) with title: "Wartime feeds are nutritionally adequate - thanks to research data."



- 5653 \*LEUE, PAUL. Forschungen über gebiss- und nährfragen. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 52-53. May 8, 1943.
- 5654 LOOSLI, J. K. Vitamin A in the rations of dairy cattle and swine. Feedstuffs 15(51):33-34. Dec. 18, 1943. 286.81 F322
- 5655 MULDROW, M. W. Rules for feeding wheat [to livestock]. Farm and Ranch 62(12): 25. Dec. 1943. 6 T31
- 5656 MULLER, A. G. Preserve our native pastures [in Queensland]. Austral. Dairy Rev. 11(10): 6. Oct. 22, 1943. 44.8 Au73
- 5657 PACE, J. E. Getting bigger livestock gains; maximum weight comes from feed with minerals. Fla. Grower 51(12): 20. Dec. 1943. 80 F6622
- 5658 QUACKENBUSH, F. W. Feeders face serious vitamin deficiencies for livestock in 1944. Feed Bag 19(12): 7, 85-86. Dec. 1943. 389.78 F32
- 5659 QUACKENBUSH, F. W. Probable vitamin deficiencies [in livestock feed]. Flour & Feed 44(7): 26, 30, 33. Dec. 1943. 298.8 F66
- 5660 REYNOLDS, D. S., PICKNEY, R. M., and HILL, W. L. Water solutions of superphosphate as a low-fluorine source of phosphorus [for livestock]. Assoc. Off. Agr. Chem. Jour. 26: 564-575. Nov. 15, 1943. 381 As7
- 5661 ROUND, P. Fodder conservation. Queensland Agr. Jour. 57: 231-233. Oct. 1943. 23 Q33
- 5662 SANCHEZ OSUNA, LUIS. Las vitaminas en relación con alimentación de los animales domésticos. Agr. y Ganad. Trop. No. 1, p. 11-16. Oct. 1943. 26 Ag85
- 5663 SHEEHY, E. J. A full diet for all farm animals. Ire. Dept. Agr. Jour. 11: 23-27. Mar. 1943. 1C Ir2J
- 5664 \*SOLUN, A. Unelichenie vitaminnoi pitatel'nosti produktov zhiivotnovodstva [How to increase the vitamin content of animal products]. Sovkhoznoe Proizvodstvo No. 3/4, p. 37-38. Mar./Apr. 1943.  
Depends on the kind of feed used.
- VETERINARY MEDICINE
- 5665 ELQAT or hoven in cattle and sheep. Canterbury, New Zeal., Chamber Com. Agr. Bul. 172, 4 p. Christchurch, 1943. 23 C162
- 5666 BLYE, C. E. A sensitized antigen for the rapid whole-blood agglutination test for brucellosis. North Amer. Vet. 24: 736. Dec. 1943. 41.8 N812
- 5667 BOSWORTH, T. J. Some aspects of anaerobic infections of animals. Vet. Rec. 55: 453-455. Nov. 20, 1943. 41.8 V641
- Livestock diseases caused by bacteria of the Clostridium group.
- 5668 CAMPERCHIOLI, E. E. La tuberculosis y su erradicación. Esnea 30(1264): 1, 5. Nov. 3, 1943. 44.8 Es5
- 5669 CASTAÑEDO, J. A. El tiroides, la glándula del calor. Vaqueros 3(10): 13. Oct. 15, 1943. 43.8 V41
- 5670 CENTENARY of Dr. Robert Koch, pioneer of anthrax research. Leather Trades' Rev. 76: 1500-1503. Dec. 15, 1943. 303.8 L48
- 5671 CUNNINGHAM, I. J., and CLARE, E. M. A fluorescent alkaloid in rye-grass (*Lolium perenne* L.). V. Toxicity, photodynamic action, and metabolism of perloline. New Zeal. Jour. Sci. and Technol. B. Gen. Sect. 24: 167B-178B. Jan. 1943. 514 N48
- Tests made on mice, rabbits, and sheep.
- Parts I-IV, VI (in same issue) are chemical studies of perloline.
- 5672 \*GRAF, HANS. Über klinische reichweite pharmakologischer wirkungen. I. Allgemeine grundlagen bei organkrankheiten. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 30-31. Apr. 24, 1943.
- 5673 \*HANSEN, P. L. On differentiation between animal and human forms of the trehalose-positive, sorbitol-negative group C streptococci ("Human C" streptococci). Skand. Vet. Tidskr. 33: 257-280. May 1943 Ref., p. 278-280.
- Strains obtained from cows, swine, and horses.
- 5674 \*HARMS, F. Die bakteriologische unterscheidung von rauschbrand und pararauschbrand mit neueren verfahren. Berlin. u. München. Tierärztl. Wchnschr., No. 25/26, p. 198-200. June 25, 1943.
- 5675 HOPKIRK, C. S. M. Veterinary services in New Zealand: their present organization and suggestions for post-war reconstruction. Vet. Rec. 55: 256-257. June 26, 1943. 41.8 V641
- 5676 KELSER, R. A. The Army veterinary service. Amer. Vet. Med. Assoc. Jour. 103: 357-363. Dec. 1943. 41.8 Am3
- Care of horses and dogs, and food inspection work of the Army Veterinary Corps.
- 5677 \*KOST, and SCHAEITZ, FRANZ. Die behandlung der endometritis bei pferd und rind mit einem surfenjod-gemisch. Vorläufiger bericht. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 26-27. Apr. 24, 1943.
- 5678 \*LERCHE, MARTIN, and BARTEL, HORST. Fünf jahre typendifferenzierung [of Salmonella]. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 41-50. May 8, 1943.
- 5679 MCGILVRAY, C. D. The value and usefulness of the veterinary profession. Ontario Vet. Col. Rpt. 1942: 10-12. 1943. 41.9 On8R
- 5680 MORRILL, C. C. Clover sickness, or trifoliosis. North Amer. Vet. 24: 731-732. Dec. 1943. 41.8 N812
- 5681 O'BRIEN, T. F. Notes on the behaviour of the foot-and-mouth virus during the 1941 epizootic in Eire. Vet. Rec. 55: 341-343. Sept. 11, 1943. 41.8 V641
- 5682 OEHM, G. M. Healthy livestock for war needs. Du Pont Mag. 37(5): 20-21. Nov./Dec. 1943. 309.8 D92
- Control of internal parasites with phenothiazine.
- 5683 \*ORLOV, N. Raboty Alma-Atinskogo zoovet-instituta [Research of the veterinary zoological institute of Alma-Ata]. Sovkhoznoe Proizvodstvo, No. 3/4, p. 46-47, Mar./Apr. 1943.
- 5684 PROOM, H. The preparation of precipitating sera for the identification of animal species. Jour. Path. and Bact. 55: 419-426. Oct. 1943. 448.8 J82
- Anti-human, -horse, -hen, -cat, -dog, -pig, -ox, -goat, -sheep and -rabbit sera. Useful in determining nature of uncooked meat.
- 5685 REMLINGER, P., and BAILLY, J. Remarks on the work of the Rockefeller Institute on rabies. Rev. Canad. de Biol. 2: 442-449. Oct. 1943. 442.8 R325
- French summary.
- Survey of recent work of L. T. Webster et al.
- 5686 \*SEEFELMANN. Die überragende wirkung neuer organischer goldverbindungen bei experimentellen infektionen mit tierpathogenen hämolytischen streptokokken. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 50. May 8, 1943.
- 5687 SHARMA, K. N. Notes on cestodes collected from various animals and birds, in Nepal. Indian Vet. Jour. 20: 53-67. Sept. 1943. 41.8 In2
- 5688 SMITH, P. T. Home-made [operating] table for small animals. North Amer. Vet. 24: 742-743. Dec. 1943. 41.8 N812
- With diagrams for construction.
- 5689 WINKS, W. R. Specimens from dead animals. Queensland Agr. Jour. 57: 250-251. Oct. 1, 1943. 25 Q53
- Instructions for submitting specimens for analysis to Department of Agriculture and Stock.



## MISCELLANEOUS

- 5690 ADAMSON, E. R. Language of animals. *Cur Dumb Anim.* 76: 228. Dec. 1943. 48.8 Ou7
- 5691 BELTRÁN C., HERACLIO. Cuidados que se debe observar con las hembras en gestación (preñadas); con las parturientas, después de los partos; con las crías, desde que nacen hasta cuando se destetan. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(35): 28-30, 32-34. July/Sept. 1943. 9.5 M31  
Also advice on breeding of livestock.
- 5692 CORY, V. L. What sheep, goats and cattle do in a day. *Sheep and Goat Raiser* 24(3): 34-35. Dec. 1943. 45.8 Sh3  
Summary of monthly observations for three years of livestock activities on range of Ranch Experiment Station, Texas.
- 5693 DOUGHERTY, J. E. One way to control rats in poultry and other farm buildings. *Nulaid News* 21(3): 12-13. Nov. 1943. 47.8 N917
- 5694 ENSMINGER, M. E. Rigid culling of livestock, and greater efficiency. *Tex. Livestock Jour.* 2(11): 8, 44. Nov. 15, 1943. 49 T29
- 5695 EUBANKS, L. E. Individual versus species. *Our Dumb Anim.* 76: 228. Dec. 1943. 48.8 Ou7
- 5696 \*FEDOTOV, L. Boevafa programina razvitifa zhivotnovodstva. A war program for raising domestic animals. *Sovkhoznoe Proizvodstvo*, No. 5, p. 1-6. May 1943.
- 5697 HAASJES, C. H. Conservation slaughter of unprofitable livestock for food. *Fort Dodge Bio-Chem. Rev.* 14(4): 15, 18, 21. Fall 1943. 41.8 F772
- 5698 HARRISON, J. E. Victorian live stock numbers in relation to meat production. *Past. Rev.* 53: 678-679. Oct. 16, 1943. 23 Au75
- 5699 \*KETZ. Ein beitrag zur erfassung von tier-quellereien bei der schlachttierbeförderung. *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 32-33. Apr. 24, 1943.
- 5700 LEISTER, C. W. Camel caravan. *Fauna* 5: 102-107. Dec. 1943. 410 F27  
Historical account, including the different breeds, their characteristics and uses.
- 5701 MANSFIELD, W. S. Future livestock policy in England. *Country Life [London]* 94: 822-823. Nov. 5, 1943. 80 C83  
"A four-year plan for agriculture - II."
- 5702 PROULX, J. R. L'industrie animale de demain. *Bul. des Agr.* 39(12): 18, 21. Dec. 1943. 7 B872

## CATTLE

Breeds and Breeding

- 5703 CANÇADO, A. L. La raza Indúbrasil en la ganadería brasileña. *Hacienda* 38: 532-533. Dec. 1943. 6 H11
- 5704 CHARAK, L. S. Cattle in Kashmir. *Indian Farming* 4: 216-217. Apr. 1943. 22 In283  
Bulls supplied by the Government to certain breeding centers to improve inferior type of cattle.
- 5705 CRISSEY, A. N. The professor of Whirlwind Hill [Farm]; propounder of a program of herd improvement based on heredity instead of environment. *New England Homestead* 116(24): 1, 14-15. Dec. 11, 1943. 6 N442  
Dairy cattle breeding at Wallingford, Conn.
- 5706 DAVIDSON, H. R. Over million cattle shortage. *Farmer & Stock-Breeder* 57: 1868. Nov. 30, 1943. 10 F228  
Demonstration on beef cattle breeding at Leicester [England], Cattle Market.
- 5707 DIRECTORIO de criadores de bovinos Cebú. *Agr. y Ganad. Trop.*, No. 1, p. 19-20. Oct. 1943. 26 Ag85
- 5708 DIXON, E. W. Millside dairy Shorthorns old established herd, deep bodied, shapely, heavy producers. *Austral. Farm and Home* 52: 306-307. Sept. 30, 1943. 23 Au7
- 5709 FORTIN, LUCIEN. Un bon troupeau Ayrshire pour chacun de nos fermiers. *Canad. Ayrshire Rev.* 24: 262-263. Dec. 1943. 43.8 Ay72
- 5710 GOODWIN, J. P. Guernsey breeder's 3,500gs. triumph. *Farmer & Stock-Breeder* 57: 1866. Nov. 30, 1943. 10 F228  
Sale price of young bull of prize-winning ancestry.
- 5711 GUZMAN WILLIS, MANUEL. Historia de las importaciones de ganado Cebú en Tamaulipas y la [compañía] Huasteca [Petroleum de los Estados Unidos], *Agr. y Ganad. Trop.*, No. 1, p. 7-10. Oct. 1943. 26 Ag85
- 5712 HINCKLEY, DeVERE. Perhaps Mr. Graves had something. *West. Farm Life* 45(24): 3, 11. Dec. 15, 1943. 6 R153  
Dairy cattle breeding at U. S. Dairy Field Station, Huntley, Montana, under direction of R. R. Graves.
- 5713 HOLBERT, J. C. Strong State associations to promote the beef cattle business and their respective breeds. *Tex. Livestock Jour.* 2(11): 26. Nov. 15, 1943. 49 T29
- 5714 JOHNSON, LAMONT. Pioneered with Herefords. *West. Farm Life* 45(23): 15, 17. Dec. 1, 1943. 6 R153  
Hereford herd on ranch of A. A. Campbell, La Vesta, Calif., is described.
- 5715 JOHNSON, LAMONT. Randall's sandhill Herefords at Mitchell, Nebraska. *West. Farm Life* 45(24): 23-24. Dec. 15, 1943. 6 R153
- 5716 KNOWLES, F. L. Help in selecting that [dairy] sire. *New Zeal. Dairy Exporter* 19(1): 10-11. Sept. 1943. 44.8 N484
- 5717 LARSON, ELSIE. The [Holstein-Friesian], breed expands throughout Ohio. *Ohio Holstein News* 6(12): 10. Dec. 1943. 43.8 Oh3
- 5718 McFEETERS, M. C. Jersey sale in Egypt; herd built on American foundation. *Jersey Bul.* 62: 1447, 1482-1483. Dec. 5, 1943. 43.8 J48  
Experiment with Jersey cattle at the American Mission College at Assiut.
- 5719 McMILLAN, GILBERT. My first eleven years in America. *Ayrshire Digest* 29(12): 18-19, 30-32. Dec. 1943. 43.8 Ay7  
Experiences with Ayrshire cattle breeding.
- 5720 MANSFIELD, W. S., and others. Cattle at the cross roads. I. What do we want? by W. S. Mansfield, C. E. Harvey, and Hugh Wyllie; II. How shall we get them? by W. S. Mansfield, and Mrs. Gerald Strutt; III. How shall we rear them? by W. S. Mansfield, H. G. Robinson, and Harold Shapland. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 385-388. Dec. 1943. 10 G79J  
Short summaries of radio discussions on breeds and breeding dairy cattle, and dairy calf raising.
- 5721 NORELIIUS, E. A. Crawford County [Iowa], dairy cattle, breeders' cooperative—an active artificial insemination association. *Tex. Livestock Jour.* 2(11): 36. Nov. 15, 1943. 49 T29
- 5722 PELLETIER, J. R. Fifty years in Ayrshire business. *Canad. Ayrshire Rev.* 24: 237-238, 264-265. Dec. 1943. 43.8 Ay72  
Report of interview with R. R. Ness, joint owner of Burnside Farm, Quebec, concerning his experience as a breeder of Ayrshire cattle.
- 5723 PRENTICE, E. P. The progeny test at Mount Hope Farm. *N. Y. Farmers. Proc.* Season 1942-1943, p. 286-291. 4 N48P  
Results of using pure bred dairy bulls in artificial breeding.



5724 RICE, V. A. "Chip off the old block"?  
Ayrshire Digest 29(12): 14-16, 79, 81-84. Dec. 1943.  
43.8 Ay7

Dairy cattle breeding.

5725 SCORGIE, N. J. Artificial insemination  
can give greater breeding efficiency of dairy cat-  
tle. New Zeal. Dairy Exporter 19(1): 20-21. Sept.  
1943. 44.8 N484

"This article... appeared recently in 'The Jersey  
Cow,' official organ of the English Jersey Society."

5726 \*TIKHOMIROV, K. Shkola kul'turnogo  
zhivotnovodstva [School for the study of cattle  
breeding]. Sovkhozhnoe Proizvodstvo, No. 5, p. 12-16.  
May 1943.

5727 WHITE, R. G. Breeding [dairy cattle] pol-  
icy in Wales. Agriculture (Jour. Min. Agr. Gt.  
Brit.) 50: 389-391. Dec. 1943. 10 G79J

#### Feeds and Feeding

5728 BLACKMAN, C. L. Make that feed count  
[for dairy cows]. Ohio Farmer 192(12): 5. Dec. 18,  
1943. 6 Oh3

5729 COLE, H. H., and MEAD, S. W. A physical  
deficiency in the ration of ruminants. Science  
98: 543-544. Dec. 17, 1943. 470 Sci2

5730 ELLENBERGER, H. B. Dairy feeding and man-  
agement. Flour & Feed 44(7): 34, 36. Dec. 1943.  
298.3 F66

Also in New England Homestead 116(24): 6-7, 11, 13.  
Dec. 11, 1943. 6 N442

5731 ELLENBERGER, H. B. Efficient feeding  
suggestions for achieving maximum milk production.  
Feed Bag 19(12): 55-56, 89. Dec. 1943. 389.78 F32

5732 EMDE, R. J. Feeding dairy cattle. Bio-  
Dynamics 3(1): 26-31. Summer 1943. 56.8 B52

5733 GUILBERT, H. R., WAGNON, K. A., and  
HART, G. H. Continuous growth important in beef  
production. West. Livestock Jour. 22(7): 13, 30-31.  
Dec. 15, 1943. 6 F2278

A feeding problem.

5734 HAMBLETON, J. A. Tips on stretching dairy  
cattle feed. Ohio Farm Bur. News 23(5): 13. Dec.  
1943. 6 Oh34

5735 HIGGINS, L. A. Winter fields at Sunnyside  
Plantation. Jersey Bul. 62: 1446, 1484. Dec. 5,  
1943. 43.8 J48

Results of planting seed in August for fall and  
winter grazing crops for dairy cattle, at Muldon,  
Miss.

5736 HILTON, J. H. Quality roughage is impor-  
tant [for dairy cattle]. Guernsey Breeders' Jour.  
64: 1225-1226, 1238. Dec. 15, 1943. 43.8 G93

5737 HUFFMAN, C. F. The dairy feed situation.  
Amer. Miller 71(12): 45, 57. Dec. 1943. 298.8 Am32  
Feeding methods suggested to overcome the shortages

5738 LADD, J. E. Dairymen must stretch feed.  
Better Rural Life 4(12): 2. Dec. 1943. 275.29 R34B

5739 LOEFFEL, W. J. Feeds to fit your needs  
[for beef cattle]. Nebr. Farmer 86(1): 5, 24.  
Jan. 1, 1944. 6 N27

5740 MEAD, S. W. Raising dairy calves in war-  
time. Calif. Dairyman 23(23): 9, 20-21. Dec. 25,  
1943. 44.8 C12

Calf feeding.

5741 MURRAY, DON. Feed costs up — profits down.  
Dakota Farmer 63: 550. Dec. 11, 1943. 6 D14  
Dairy cattle feeding.

5742 NORTON, C. L. Balancing feeding opportu-  
nity and inherited ability. Dairymen's League News  
27(26): 6. Dec. 21, 1943. 44.8 D1432

5743 NORTON, C. L. A glance ahead for dairymen  
in 1944. Dairymen's League News 28(1): 6, 7. Jan.  
4, 1944. 44.8 D1432

The feed situation is discussed.

5744 OLMSTEAD, R. H. Meeting the feed crisis  
[for dairy cattle]: feed plenty of hay, stretch the  
protein, water in abundance, watch the dry period.  
Pa. Co-op Rev. 11(1): 35-37. Dec. 1943. 280.28 P38

5745 OPTIMAL nutrition for the dry [dairy] cow.  
Vitamin D Digest 5: 33-34. Nov. 1943. 389.78 V83

5746 PUTTING the feeding of beef cattle on a  
scientific basis. Vitamin D Digest 5: 36. Nov.  
1943. 389.78 V83

5747 RATNAM, V. D. Effect of feed on milk.  
Indian Vet. Jour. 20: 79-81. Sept. 1943. 41.8 In2

5748 RICHARDSON, T. C. Feed 'em before you  
weed 'em. Farmer-Stockman 57(1): 5, 26. Jan. 1944.  
6 Ok45

Feeding dairy cows well reduces culling.

5749 SCHAEFFER, FEDERICO. Engorda con novi-  
llos Aberdeen Angus. Soc. Agr. del Norte Bol. 27:  
611-612. Aug. 1943. 9.3 Sol4

5750 \*SPIRICHEV, B. P. Novye dannye po miner-  
al'nomu pitaniju krupnogo rogatogo skota v zone  
sukhikh stepei (New data on the mineral nutrition of  
cattle in the zone of dry prairies). Lenin Acad.  
Agr. Sci. U. S. S. R. Proc. 7(9/10): 30-34. 1942.

5751 \*SUKACHEV, V. Sapropel' [Sapropel].  
Sovkhozhnoe Proizvodstvo, No. 5, p. 42-43. May 1943.

Description of the various kinds of Russian  
sapropel, a feed for cattle.

5752 TOM, R. C., and CONNELL, W. E. Straw may  
replace hay in fattening cattle; protein supplement  
and lime must be used. Colo. Agr. Expt. Sta. Colo.  
Farm Bul. 5(5): 13-15. Nov./Dec. 1943. 100 C71S

Results of experiments in feeding beef steers, and  
in use of mineralized drinking water for them.

5753 \*VISEU, PORTUGAL. ESTAÇÃO AGRÁRIA. Alguns  
alimentos para gado (Estudo da sua composição e  
valor forrageiro). Portugal. Min. da Econ. Dir.  
Geral dos Serv. Agr. Sér.: Estud. e Informação Téc.  
21, 16 p. 1942.

Tables show composition of various feeds for cattle.

5754 WARD, A. L. Cotton and cattle. Cattle-  
man 30(7): 83-84. Dec. 1943. 49 C29  
Cottonseed products as cattle feed.

5755 WATSON, D. M. S. Beef cattle in peace and  
war. Empire Jour. Expt. Agr. 11: 191-228. July/  
Oct. 1943. 10 Em7

Based largely on a Missouri University experiment  
in 1922 on beef steers raised on three planes of nu-  
trition in which a study was made of the efficiency  
of the utilization of feed nutrients, the cost of pro-  
ducing edible beef protein and fat, and the most  
economical point at which to slaughter beef cattle  
during wartime.

#### Veterinary Medicine

5756 ALEXANDER, R. E. Abortion and premature  
calving [due to eating Cupressus macrocarpa]. New  
Zeal. Dept. Agr. Jour. 67: 279. Oct. 15, 1943. 28  
N48J

5757 BAKER, FRANK. Direct microscopical obser-  
vations upon the rumen population of the ox. I. Qual-  
itative characteristics of the rumen population. Ann.  
Appl. Biol. 30: 230-239. Nov. 1943. 442.8 An72

Descriptions of microorganisms found, and discussion  
of their functions.

5758 \*BERT, F. Gehäuftes auftreten von  
Gärtnereinfektionen in einemrinderbestande mit einem  
abortusfall. Deut. Tierärztl. Wchnschr./Tierärztl.  
Rundschau 51/49: 11-12. Apr. 10, 1943.

5759 BOSIO, A. E. Sobre un caso de fiebre  
catarral maligna o coriza gangrenosa de los bovinos.  
Rev. de Med. Vet. [Buenos Aires] 24: 229-232. May/  
June 1943. 41.8 B86

5760 BURKHARDT, STEWART, BEACH, B. A., and  
SPENCER, G. R. Aerobacter aerogenes associated with  
acute toxemic mastitis in eleven cows. Amer. Vet.  
Med. Assoc. Jour. 103: 381-383. Dec. 1943.  
41.8 Am3



5761 DASTUR, N. N., and KOTHAVALLA, Z. R. Milk secretion. Indian Farming 4: 184-187. Apr. 1943. 22 In283

5762 DAVIDSON, H. R. Artificially induced lactation; milk from uncalded heifers. Farmer & Stock-Breeder 57: 1838. Nov. 23, 1943. 10 F228

By use of hormones, such as stilbestrol.

5763 \*EGEHOJ, J. Ätiologie der lymphozytomatosis (Knut-Volkman) des rindes. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 3-8. Apr. 10, 1943.

5764 ESTRADA A., JORGE. Las diarreas de los terneros. Vida Rural 5(50): 6. Sept. 1943. 9.4 V66

Advocates products of Laboratorios Vicer, Bogotá, as treatment for parasitic and non-parasitic types.

5765 FARGES, J. L. El entenque [sic]. Administrador Rural 12(107): 18-19. Aug. 1943. 9 Ad6

Parasitic gastroenteritis of calves.

5766 FERRIS, T. R. How U. S. A. is fighting bovine T. B. Farmer & Stock-Breeder 57: 1836. Nov. 23, 1943. 10 F228

5767 FILMER, J. F. Vaccination of cattle, against contagious abortion. New Zeal. Dept. Agr. Jour. 67: 255-256. Oct. 15, 1943. 23 N48J

How to apply to New Zealand Dept. of Agriculture for free vaccination service.

5768 GILDER, R. P. Effect of macrocarpa cypress on pregnant cows. New Zeal. Dept. Agr. Jour. 67: 278-279. Oct. 15, 1943. 23 N48J

Eating of Cupressus macrocarpa caused abortion.

5769 GORRIE, C. J. R. Move for tubercle-free herds of cattle, extending in Victoria. Stock and Land 33(35): 3. Sept. 1, 1943. 49 St63

5770 GORRIE, C. J. R. Scouring and wasting in young cattle caused by hairworm (trichostrongylosis). Stock and Land 33(41): 3. Oct. 13, 1943. 49 St63

5771 GRAY, ERNEST, and LYLE STEWART, W. A case of trichomonas disease of cattle in Northumberland. Vet. Rec. 55: 271. July 10, 1943. 41.8 V641

5772 HAWK, R. C. Experiences in the control and treatment of bovine mastitis. Fort Dodge Bio-Chem. Rev. 14(4): 5-6, 17. Fall 1943. 41.8 F772

5773 HINDMARSH, W. L., WEBSTER, W., and STEWART, D. F. Observations on recent outbreaks of contagious bovine pleuro-pneumonia in the Hunter River district of New South Wales. I. Field observations. II. Laboratory findings. Austral. Vet. Jour. 19: 126-141. Oct. 1943. 41.8 Au72

5774 \*HÖFLIGER, H. Die ovarialgefäße des rindes und ihre beziehungen zum ovarialzyklus. Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 179-181. June 11, 1943.

5775 \*HOFFMAN, ERLAND. Nytt fall av zinkförgiftning hos nött till följd av svetsningsarbete i ladugård. Skand. Vet. Tidskr. 33: 84-87. Feb. 1943.

English summary: A fresh case of zinc-poisoning in cattle [by fumes] as a consequence of welding carried out in the barn.

5776 HUNGERFORD, T. G. Internal parasites of cattle may cause heavy losses in calves. Agr. Gaz. N. S. Wales 54: 479-483. Oct. 1, 1943. 23 N472

5777 INGRAM, J. McC., and MURCHISON, M. M. A case of grass tetany in winter. Vet. Rec. 55: 251-252. June 19, 1943. 41.8 V641

5778 \*ISAKSSON, AXEL. Genuin epilepsi hos nött-kreatur. Skand. Vet. Tidskr. 33: 1-27. Jan. 1943. Ref., p. 25-27.

English summary: Genuine epilepsy in cattle.

5779 JAMES, J. P., and McDOWALL, F. H. Studies on the detection of mastitis in New Zealand dairy herds. IV. An examination of the Hopkirk assessment and of the Breed cell count method of estimating the leucocyte content of milk samples. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 23: 237A-243A. Dec. 1941. 514 N48

5780 \*JOHANNSEN, A. Über das vorkommen von meningitiden und meningoencephalitiden bei allgemeininfektionen beim kalb. Skand. Vet. Tidskr. 33: 193-206 Apr. 1943.

English summary: On the occurrence of meningitis and meningoencephalitis by general infection in calf.

5781 McClymont, G. L. Grass tetany. A cattle disease often associated with flush growth. Agr. Gaz. N. S. Wales 54: 484, 490. Oct. 1, 1943. 23 N472

5782 McDOWALL, F. H., JAMES, J. P., and WARD, A. H. Studies on the detection of mastitis in New Zealand dairy herds. III. An investigation into the application of the bromthymol blue test for mastitis in the field. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 23: 223A-236A. Dec. 1941. 514 N48

5783 McGILVRAY, C. D., and GLOVER, J. S. Progress report on plans for the control of Bang's disease. Ontario Vet. Col. Rpt. 1942: 16-18. 1943. 41.9 On8R

5784 MACKAY, J. Acetonaemia in dairy cattle. Vet. Rec. 55: 455. Nov. 20, 1943. 41.8 V641

5785 MAJMOOD, and SALIQ, NAZIR. Abscesses in the lung of a buffalo due to ingestion of pieces of wire. Indian Vet. Jour. 20: 90-91. Sept. 1943. 41.8 In2

5786 MENZIES, D. W. The control of animal disease. Mastitis of dairy cattle. Bristol Univ. Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 139-141. 84 B77

5787 MOREAU, A. B. Les enfermedades del ganado y la carencia de sales minerales. Agronomía [Lima] 8(31): 55-58. July/Aug. 1943. 9.8 Ag83

5788 MOREAU, A. B. Fiebre vitular - colapso puerperal o fiebre de la leche en las vacas lecheras. Agronomía [Lima] 8(31): 59-61. July/Aug. 1943. 9.8 Ag83

5789 MORGAN, B. B., and WHITEHAIR, C. K. The pH of bovine trichomonad pyometra fluid. North Amer. Vet. 24: 729-730, 732. Dec. 1943. 41.8 N812

5790 NEIVA, CICERO. Peste de manqueira. Rev. da Vet. 6(29): not paged. Oct. 1943. 41.8 R3218

Blackleg of cattle.

5791 PETERSEN, W. E. Stilbestrol in udder development and lactation in cows. Fort Dodge Bio-Chem. Rev. 14(4): 3-4, 22. Fall 1943. 41.8 F772

5792 PHILLIPS, P. H. Calf nutrition - effect on calfhood diseases. Guernsey Breeders' Jour. 64: 1227, 1238-1240. Dec. 15, 1943. 43.8 G93

Vitamins in the prevention and cure of diseases.

5793 RATHORE, G. S. A case of radial paralysis in a calf. Indian Vet. Jour. 20: 92-93. Sept. 1943. 41.8 In2

Temporary only; caused by injury.

5794 SANZ, BALBINO. La brucelosis bovina y la "calfhood vaccination" en Chile. Campesino [Santiago Chile] 75: 566-568, 570. Sept. 1943. 9.3 Sol2

5795 SCHALLM, O. W. Mastitis. West. Livestock Jour. 22(7): 57-58, 61-63. Dec. 15, 1943. 6 F2278

5796 SHAW, J. C. Studies on ketosis in dairy cattle. V. The development of ketosis. Jour. Dairy Sci. 26: 1079-1090. Dec. 1943. 44.8 J822

5797 SHEIKHWAT, D. S. A successful case of dystokia in a cow due to hysterocoele. Indian Vet. Jour. 20: 93-94. Sept. 1943. 41.8 In2

5798 SURYANARAYANA, M. V. A note on tobacco poisoning in a calf. Indian Vet. Jour. 20: 92. Sept. 1943. 41.8 In2

5799 SUTHERLAND, A. Haematuria in cattle. Vet. Rec. 55: 269-270. July 10, 1943. 41.8 V641

5800 SUTTON, T. S. The cow's udder and how it functions. Milk Plant Monthly 32(12): 27-28. Dec. 1943. 44.8 C864



- 5801 TUTT, J. B. A report on two cases of carcinoma of the membrana nictitans in dairy cows. *Vet. Jour.* 99: 295-297. Nov. 1943. 41.8 V643
- Also cases of tetanus and intussusception in dogs.
- 5802 \*WEISCHER, F., and HOLLE, A. H. Wesen und behandlung der "steingeschwulst" des rindes (pathologische form des puerperalen euterödems). *Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau* 51/49: 14. Apr. 10, 1943.
- 5803 WILDE, J. K. H. A case of high or anterior epidural anaesthesia in a bull. *Vet. Jour.* 99: 294-295. Nov. 1943. 41.8 V643
- Miscellaneous
- 5804 ALL-BREED score cards as adopted by the Purebred Dairy Cattle Association. *Guernsey Breeders' Jour.* 64: 1232. Dec. 15, 1943. 43.8 G93
- 5805 BANKS, W. J. Riding the ranges. *Forest & Outdoors*, Dec. 1943, p. 285-286. 99.8 C16
- The importance of the cowboy on the range and his part in meeting the demand for beef and hides.
- 5806 BARLOW, F. S. A problem in dairy cow record making. *Guernsey Breeders' Jour.* 64: 1228, 1240. Dec. 15, 1943. 43.8 G93
- 5807 BOGGS, H. H. There's beef in those Virginia hills. *Amer. Hereford Jour.* 34(15): 26A, 26H. Dec. 1, 1943. 43.8 Am32
- Ten-year Hereford cattle-improvement plan on a Virginia farm.
- 5808 BYWATER, H. E. A live cow and a strong calf...care of dairy cattle before, during and after calving. *Farmers Weekly* [London], 19(22): 29, 31. Nov. 26, 1943. 10 F2226
- 5809 CAVE, R. A. What about selling the milking herd? *Dakota Farmer* 63: 550. Dec. 11, 1943. 6 D14
- 5810 CLARK, A. B. Michigan institutions set milk records. *South. Planter* 104(12): 11. Dec. 1943. 6 So39
- 5811 COWLEY, RAUL. Mejoramiento. Expansión y vigilancia de la producción de leche y sus derivados. (To be cont.) *Vaqueros* 3(10): 8-10. Oct. 15, 1943. 43.8 V41
- Suggestions for improvement of the dairy industry in Cuba as presented to the first Congreso Nacional de Alimentación.
- 5812 CUBAS V., RAFAEL. Algunas consideraciones sobre el problema de la implantación de la ganadería bovina en la zona de Tingo María. *Agronomía [Lima]* 8(31): 71-84. July/Aug. 1943. 9.8 Ag83
- 5813 DENIZE, H. R. Rearing dairy calves. *New Zeal. Jour. Agr.* 67: 233-235. Oct. 15, 1943. 23 N48J
- 5814 GORDON, G. E. Dairy management important. *Calif. Dairyman* 23(23): 16-17. Dec. 25, 1943. 44.8 C12
- Use feed and labor efficiently, watch the dry period, and control mastitis.
- 5815 GREEN, H. B. Dwindling grassland; better dairy stock. *Farmer & Stock-Breeder* 57: 1876-1877. Nov. 30, 1943. 10 F228
- Management practices on Derbyshire (England) farms.
- 5816 HADLEY, I. D. The sale picture when association managed thru-out. *Ohio Holstein News* 6(12): 23, 25. Dec. 1943. 43.8 Oh3
- The management of cattle sales by the Ohio Holstein-Friesian Association.
- 5817 HEIZER, E. E. Fast milking routine. *Milk Plant Monthly* 32(12): 28, 30. Dec. 1943. 44.8 C864
- 5818 HEWITT, A. C. T. Slaughter of calves and young cattle. *Austral. Milk and Dairy Prod. Jour.* 10(10): 9. Oct. 1943. 44.8 Au72
- 5819 HOLMES, G. A. Milk--Priority No. 1. Impressions of British dairying. *New Zeal. Dairy Exporter* 19(2): 33-34. Oct. 1943. 44.8 N484
- 5820 HOPSON, G. H. The job of milking. *Dairy-men's League News* 27(26): 6. Dec. 21, 1943. 44.8 D1432
- 5821 HOPSON, G. H. The veterinarian and better milking. *De Laval Monthly* 37(6): 10-11, 13. Nov./Dec. 1943. 44.8 D37
- 5822 LASCELLES, H. R. Culling of dairy animals requires best of judgment. *West. Farm Life* 45(23): 18. Dec. 1, 1943. 6 R153
- 5823 LASCELLES, H. R. Sound selling practices of breeding animals, will aid dairymen in the future. *West. Farm Life* 45(24): 19. Dec. 15, 1943. 6 R153
- 5824 MCKENZIE, D. R. Standard herd test; a new butterfat record. *Victoria Dept. Agr. Jour.* 41: 481-482. Oct. 1943. 23 V66J
- Records of Guernsey cow, "Yarraview le Mode."
- 5825 McMEEKAN, C. P. War-time or all-time record? A Canterbury herd breaks 500 lb. butter-fat average. *New Zeal. Dairy Exporter* 19(1): 4, 6-7. Sept. 1943. 44.8 N484
- 5826 MANBY, MARGARET. Dairy industry in post-war period. *Ill. Agr.* 48: 31. Dec. 1943. 6 IL6
- 5827 MITCHELL, R. T. "Recommends thoughts" on dairy, bull-proving. *Live Stock Bul.*, Oct. 1, 1943, p. 20-21. 23 F222
- 5828 MORROW, K. S. New Hampshire dairymen learn about fast milking. *De Laval Monthly* 37(6): 8-9. Nov./Dec. 1943. 44.8 D37
- 5829 NIELAND, L. T. Two birds with one stone on many idle acres in Florida; forest farming and cattle production are natural partners, making each enterprise more profitable. *Fla. Grower* 51(12): 6, 21. Dec. 1943. 80 F6622
- 5830 PAWSON, H. C. Wintering store cattle (stock of varying ages being reared for different purposes). *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 391-394. Dec. 1943. 10 G79J
- 5831 PETERSEN, W. E. Preparing the cow for milking. *Milk Plant Monthly* 32(12): 26-27. Dec. 1943. 44.8 C864
- 5832 PISTORIUS, KEITH. Famous school of the Ozarks uses the De Laval Magnetic Speedway Milker and fast milking routine. *De Laval Monthly* 37(6): 7. Nov./Dec. 1943. 44.8 D37
- 5833 RANNEY, C. L. Pregnant cows. *West. Live-stock Jour.* 22(7): 78-79. Dec. 15, 1943. 6 F2278
- Culling cows in beef and dairy herds.
- 5834 THOMPSON, A. W. Old time beer, cattle outfits in Pecos Valley, New Mexico. *Cattleman* 30(7): 16, 18, 85-88. Dec. 1943. 49 G29
- 5835 VASEY, A. J. Will practice of stripping cows be abandoned? A review of the evidence in favour of the change. *Austral. Milk and Dairy Prod. Jour.* 10(10): 15-18. Oct. 1943. 44.8 Au72
- 5836 WALLER, P. Good herds are the result of deep thinking and planning. *Live Stock Bul.*, Oct. 1, 1943, p. 12. 23 F222
- Dairy herd testing at Berry Training Farm, New South Wales.
- 5837 WHITE, H. P. Talks, meet Mrs. A. M. Van Dyke, a typically efficient ranch woman, who wins in face of wartime barriers. *N. Mex. Stockman* 8(12): 20, 21. Dec. 1943. 49 N462
- A Hereford cattle ranch.
- DOGS AND CATS
- Breeds and Breeding
- 5838 BRAUN, W. R. Proposed Siamese cat standard. *All-Pets Mag.* 15(7): 37-38. Dec. 1943. 48.8 A15



5839 LLOYD, FREEMAN. Retriever [dog] breeds and their origins. Field & Stream [New York] 48(9): 80-82. Jan. 1944. 410 F45

5840 PURDY, S. W. More about the Great Western hounds. Natl. Wool Grower 33(12): 42-44. Dec. 1943. 45.8 N21N

These hounds, comparatively new, are especially bred to prey on predatory animals.

5841 SMITH, A. C. Dogs of the desert. Field 182: 544. Nov. 20, 1943. 10 F45

The Saluki breed owned by the Arabs.

5842 YOUNG, S. P. What was the early [North American] Indian dog? Wolf or hound - or a little of each? New light on an age-old riddle. Amer. Forests 49: 571-573, 594, 603. Dec. 1943. 99.8 F762

#### Veterinary Medicine

5843 \*\*ARENAS, N., and SAMMARTINO, R. Resultado de ovariectomías parciales en la perra. Soc. Argentina de Biol. Rev. 18(3): 257-260. 1942.

Abs. in Biol. Abs. 17: item 23616. Dec. 1943. 442.8 B526

5844 \*DIRKS, H. Grosszelliges spindelsarkom (epulis) bei einem hund. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 14-15. Apr. 10, 1943.

5845 FRICK, E. J. Amputation of the forelimb of the dog. North Amer. Vet. 24: 741-742. Dec. 1943. 41.8 N812

5846 JOSHUA, J. O. Suspected tetanus in a dog. Vet. Rec. 55: 258-259. June 26, 1943. 41.8 V641

5847 MOSS, J. E., and McGAUGHEY, C. A. Tetanus in a dog: report of a case with short period of incubation and rapidly fatal course. Vet. Rec. 55: 258. June 26, 1943. 41.8 V641

5848 ORMROD, A. N. Condylloid fracture of the humerus in a dog. Vet. Rec. 55: 344. Sept. 11, 1944. 41.8 V641

5849 PEARMAN, R. O., and McCAPES, A. M. Canine urology. Amer. Vet. Med. Assoc. Jour. 103: 374-377. Dec. 1943. 41.8 Am3

5850 TAYLOR, G. E. Stop sickness. All-Pets Mag. 15(7): 36. Dec. 1943. 48.8 A15

Advice on prevention of diseases at cat shows.

5851 \*ULLRICH, K. Klinischer beitrage zur pyometra der hündin. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 21-26. Apr. 24, 1943.

#### Miscellaneous

5852 BACON, J. S. The dingo problem; some suggestions and recommendations. Past. Rev. 53: 682-683. Oct. 16, 1943. 23 Au75

Destruction of wild dogs in Australia that destroy sheep.

5853 BANKS, W. J. "Blackie" a cat, has a war job [catching rodents at an airport]. Our Dumb Animals 76: 227. Dec. 1943. 48.8 Ou7

5854 BLAKENEY, E. H. The domestic cat. Field 182: 487. Nov. 6, 1943. 10 F45

5855 COUCH, V. M. Handling the puppy. All-Pets Mag. 15(7): 25. Dec. 1943. 48.8 A15

5856 DROUGHT, J. B. Unsteadiness in gun-dogs [due to defects in training]. Country Life [London] 94: 823-824. Nov. 5, 1943. 80 C83

5857 DUDLEY, E. VAN P. Venerable pussy-cats. Our Dumb Anim. 76: 235. Dec. 1943. 48.8 Ou7

5858 LITTLE, HORACE. Starting puppies right. Field & Stream [New York] 48(9): 78-79. Jan. 1944. 410 F45

5859 MILLER, VIRGINIA. Christmas and a wandering dog. All-Pets Mag. 15(7): 22-23. Dec. 1943. 48.8 A15

Describes the care given to a Pekingese.

5860 QUIMBY, E. W. Family discipline [among cats]. Our Dumb Anim. 76: 227. Dec. 1943. 48.8 Ou7

5861 SCHLICHTER, F. W. The thinking cat. Our Dumb Anim. 76: 236. Dec. 1943. 48.8 Ou7

5862 SMITH, A. C. Morose masters, surly dogs. Field 182: 492. Nov. 6, 1943. 10 F45

5863 SMITH, A. C. The rights of dogs. Field 182: 572. Nov. 27, 1943. 10 F45

Legal responsibility of owner for wrong doings of dogs.

5864 STEEVER, FRED. The time and the place [an instinct in the hunting dog]. Hunting and Fishing 21(1): 38-39. Jan. 1944. 410 H922

5865 YARHAM, E. R. Cats that knew war. Our Dumb Anim. 76: 229. Dec. 1943. 48.8 Ou7

#### HORSES AND MULES

##### Breeds and Breeding

5866 BERLINER, V. R. Growing mules for Mississippi farms. Miss. Farm Res. 6(11): 7, 8. Nov. 1943. 100 M69M1

5867 CONN, G. H. Some interesting facts about Arabian horses. Natl. Horseman 79(12): 57-58. Dec. 1943. 42.8 N21

5868 EGAN, T. J. Possibilities for the thoroughbred horse in India. Indian Farming 4: 128-129. Mar. 1943. 22 In283

5869 HERVEY, JOHN. Thoughts on equine heredity and the late Casper L. Redfield's theories. Harness Horse 9: 293-295. Dec. 22, 1943. 42.8 H22

5870 HOPKINS, F. T. The Mustang. Vt. Horse and Bridle Trail Bul. 8(1): 5-6. Jan. 1944. 42.8 V59

Also in Horse Lover 8(4): 8-10. Dec. 1943/Jan. 1944. 42.8 H7852

5871 LODER, JOHN. Allison on horse-breeding. Field 182: 560. Nov. 27, 1943. 10 F45

A survey of William Allison's book, The British Thoroughbred Horse, Ed. 1, 1901, and Ed. 2, 1907.

5872 McCALL, J. R. Clydesdales—changes and tendencies during the past fifty years. Austral. Farm and Home 52: 163-164, 228, 283, 315-316. June 30, Aug. 30, Sept. 30, Oct. 30, 1943. 23 Au7

Reprinted from "Scottish Farmer" Album, 1943.

5873 McKENZIE, F. F. Whether your mare produces a foal depends largely on you. Horse Lover 8(4): 35. Dec. 1943/Jan. 1944. 42.8 H7852

5874 MOSS, TOM. Walking Horse background. Horse Lover 8(4): 11. Dec. 1943/Jan. 1944. 42.8 H7852

5875 SHARPE, HARRY. Modern Thoroughbred's ancestors. Thoroughbred 3(5): 12. Dec. 1943. 42.8 T393

5876 SKORKOWSKI, EDWARD. Arabian horses. Section of studies concerning the classification of the horse. Translated from the German by Thornton Chard. Horse Lover 8(4): 3-7. Dec. 1943/Jan. 1944. 42.8 H7852

5877 THOMPSON, RUTH. Line breeding of the Albino horse. Horse Lover 8(4): 35-37. Dec. 1943/Jan. 1944. 42.8 H7852

5878 TROWBRIDGE, E. A. The American saddlebred. Five gaited horses. Horse Lover 8(4): 20-21. Dec. 1943/Jan. 1944. 42.8 H7852

5879 TROWBRIDGE, E. A. Selection - and the Mendelian theory of character transmission. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943)5: 61-64. 42.8 B622

##### Feeds and Feeding

5880 CASTANEDO, J. A. Cria caballar más calicio para las yeguas. Rincón Campesino 3(35/36): 38, 44. Oct./Nov. 1943. 8 R47

From, "El Dique", agosto 5 de 1943.



Veterinary Medicine

- 5881 \*\*ÅKERBLUM, E. Fortsatta undersökningar över fängs etiologi och patogenes hos häst. (Förelöppande meddelande.) Svensk Vet. Tidsk. 48: 10-11. 1943.  
Abs. in Vet. Bul. 13: 394. Nov. 1943. 41.8 T752
- 5882 ALUR, K. R. War surgery in general, with application to horses. Indian Vet. Jour. 20: 77-79. Sept. 1943. 41.8 In2
- 5883 AUCHTERLONIE, LINDSAY. Roll making for the hoof pack in canker of horses. Vet. Rec. 55: 271. July 10, 1943. 41.8 V641
- 5884 BIGNOLD, B. An unusual case of colic in a horse. Austral. Vet. Jour. 19: 145. Oct. 1943. 41.8 Au72
- 5885 BOWEN, R. W. Notes on the treatment of colic in the horse due to impaction of the colon. Austral. Vet. Jour. 19: 141-143. Oct. 1943. 41.8 Au72
- 5886 COMN, G.H. General care of the sick. Horse Lover 8(4): 44. Dec. 1943/Jan. 1944. 42.8 F7852
- 5887 ESTES, J. A., and WORTH, W. B. The gestation period in Thoroughbreds. Blood-Horse 40: 838-839. Dec. 25, 1943. 42.8 T392
- 5888 \*GOBEL, FR. Fibrom in der linken schultergelenks- und oberarmgegend beim pferde. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 29-30. Apr. 24, 1943.
- 5889 HAWKINS, J. D. Strangulation of the rectum in the mare by the utero-ovarian ligaments: an unusual colic case. Vet. Rec. 55: 252. June 19, 1943. 41.8 V641  
Caused by large ovarian cyst.
- 5890 \*HEDSTROM, HARRY, and OLSON, ÅKE. Brucellos hos häst. Skand. Vet. Tidskr. 33: 207-227. Apr. 1943. Ref.  
English summary: Brucellosis in horse.
- 5891 HODGKINS, J. R., and others. Euthanasia of equines (the action of magnesium). Vet. Rec. 55: 269 July 10, 1943. 41.8 V641  
Morad Ragheb, H. I. Abdou, and Milad Nashed, joint authors.  
Injection of magnesium sulfate into jugular vein.
- 5892 \*OBEL, NILS. Bidrag till kännedomen om förlossningsfångens etiologi och patogenes. Förelöppande meddelande. Skand. Vet. Tidskr. 33: 41-49. Jan. 1943.  
English summary: Contribution to our knowledge of the etiology and pathogenesis of the foaling-laminitis. A preliminary report.
- 5893 \*OLSSON, LENNART. Ett fall av brucellos hos häst. Skand. Vet. Tidskr. 33: 228-234. Apr. 1943. Ref.  
English summary: A case of brucellosis in horse.
- 5894 \*OPPERMANN, MARTIN. Innere augenentzündung und tendovaginitis nach kolik beim pferd. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 15-16. Apr. 10, 1943.
- 5895 PEARSON, C. C. Shipping fever in horses. Fort Dodge Bio-Chem. Rev. 14(4): 14. Fall 1943. 41.8 F772  
Equine influenza.
- 5896 ROSA, W. A., and GALOFFRE, E. J. Eficacia de la fenotiacina en las diversas parasitosis del equino. Precauciones en su administración. Buenos Aires, Argentina (City). Univ. Inst. de Parasitol. y Enferm. Parasitarias. Pub. 2(5): 1-74. 1943. Ref., p.69-74. 436.9 B86  
Conclusions in English and Portuguese.
- 5897 ROSSOFF, I. S. Control of equine strongylosis. Part IV. A survey: infection in mares and foals under field conditions. North Amer. Vet. 24: 737-740. Dec. 1943. 41.8 N812

- 5898 RYAN, A. F. Worms in horses. Tasmanian Jour. Agr. 14: 98-100. Aug. 1, 1943. 23 T182T
- 5899 \*SCHMID, F., and WERNER, J. Die wirkung von wurmmitteln auf die verschiedenen strongylidenarten des pferdes. VIII. Santostabin. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 51. May 8, 1943.
- 5900 SCHOFIELD, F. W. An unusual outbreak of swamp fever. Ontario Vet. Col. Rpt. 1942: 29-30. 1945. 41.9 On8R
- 5901 SIDMAN, W. R. Suspected pericarditis in a mare and treatment with sulphanilamide. Austral. Vet. Jour. 19: 143-144. Oct. 1943. 41.8 Au72
- 5902 \*SODERGREN, L. O. Tva fall av kongenital extremitetkontraktur hos föl. Skand. Vet. Tidskr. 33: 28-33. Jan. 1943.  
English summary: Two cases of congenital contracture of the extremities in foal.  
Contracture of the phalangeal joints, due to vitamin B deficiency.
- 5903 THEISS, O. Untersuchungen über die differenzierung pathogener streptokokken von pferden. Zentbl. f. Bakt. [etc.], Abt. I. Originale 150: 173-190. June 15, 1943. 448.3 C33
- 5904 \*TILLMANN, H. Einiges über die kastration am stehenden hengste. Berlin u. München. Tierärztl. Wchnschr., No. 25/26, p. 191-195. June 25, 1943.

Miscellaneous

- 5905 ANDREWS, T. C. Heroes in our fight for freedom; are the American people ungrateful enough to let the horse become extinct? Cattleman 30(7): 91, 93. Dec. 1943. 49 C29
- 5906 BARNHILL, O. H. Wild horses in Utah to be exterminated. West. Farm Life 45(24): 19. Dec. 15, 1943. 6 R153
- 5907 BROWN, A. A. Earliest domestic horse. Our Dumb Anim. 76: 227. Dec. 1943. 48.8 Ou7
- 5908 COX, H. B. The story of the horse. Sheep and Goat Raiser 24(3): 38-39. Dec. 1943. 45.8 Sh3
- 5909 DANIELS, E. M. "Indoctrination" of the horse for cavalry use. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943)5: 22, 27. 42.8 B622
- 5910 \*DOBRYNIN, V. Vysokoproduktivitel'no ispol'zovat' rabochuiu loshad' [How to obtain the most effective use of the draft horse]. Sovkhoznoe Proizvodstvo, No. 3/4, p. 34-36. Mar./Apr. 1943.
- 5911 EYNON, DAVID. Tennessee Walking Horses on guard at a Texas war plant. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943)5: 59. 42.8 B622
- 5912 HERVEY, JOHN. The bull market for race horses, how long will it last? Harness Horse 9: 1529-1530. Oct. 27, 1943. 42.8 H22  
Also in Horse Lover 8(4): 38-39. Dec. 1943/Jan. 1944. 42.8 H7852
- 5913 KIRKPATRICK, HADEN. Do horses get bored with staying at home? Outside matings are good for a mare's health, and maybe for her morale, too. Thoroughbred Rec. 138: 511, 514. Dec. 18, 1943. 42.8 T39
- 5914 LARRAIN PRIETO, JOAQUIN. Informe sobre la situación del ganado caballar en Chile. (Concl.) Campesino [Santiago, Chile, 75: 496, 498-499, 586-591. Aug., Sept. 1943. 9.3 Sol2
- 5915 REEVES, FRANK. There is no hard and fast pattern for a cutting horse but he must be "good." Horse Lover 8(4): 12-13. Dec. 1943/Jan. 1944. 42.8 H7852
- 5916 TUTTLE, H. E. Dressage: its value to the average horseman. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943)5: 41-42. 42.8 B622



5917 WIDMER, JACK. Mountain pack artillery [mules]. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943)5: 73, 75-76, 79. 42.8 B622

## POULTRY

Breeds and Breeding

5918 ALEXANDER, A. K. S. Shortage of good [poultry] breeding stock. Farmer & Stock-Breeder 57: 1805. Nov. 16, 1943. 10 F228

5919 BANKS, A. C. Breeding is not for domestics. Poultry Farmer [London] 109(2837): 8. Nov. 5, 1943. 47.8 F312

Breeding advice given, stressing club membership.

5920 BROOMHEAD, W. W. How to tell pullets from cockerels. Poultry [London] 93: 328. Nov. 23, 1943. 47.8 P869

5921 BROWN, NEAL. Hatcherymen give views on sexing outlook; conditions vary across Nation. Hatchery Tribune 17(12): 12, 48-49. Dec. 1943. 47.8 H28

5922 CAMPBELL, H. L. Vanishing pigeons. Part two. The Damascene, the Fire Pigeon and the Hyacinth. Amer. Pigeon Jour. 32: 328. Nov. 1943. 47.8 Am35

5923 CARELLI, ARTURO. Leghorn on Rhode Island; Red; Rev. Agron. [Porto Alegre, Brazil] 7: 423. Aug. 1943. 9.2 R325

5924 COPSEY, L. T. How to get your stock cockerel. Poultry Farmer [London] 109(2840): 3. Nov. 26, 1943. 47.8 F312

5925 GOLLEY, P. M. Colors in Orientals [pigeons]. Amer. Pigeon Jour. 32: 326, 327. Nov. 1943. 47.8 Am35

5926 GRAHAM, L. P. Vanishing varieties. 8. Bucks County Fowls. Cackle and Crow 26(2): 4. Dec. 15, 1943. 47.8 C11

5927 HABGOOD, J. C. Poultry breeding is one of the "finer arts." Mod. Poultry Keeping 49: 334-335. Nov. 10, 1943. 47.8 Eg3

5928 HAMPTON, J. F. A turkey for Christmas. Field 182: 542. Nov. 20, 1943. 10 F45

Discusses turkey breeding by C. Frost at Norfolk, England.

5929 HECKSTALL-SMITH, HUGH. Becoming an accredited [poultry] breeder. 3-4 (Concl.) Poultry Farmer [London] 109(2837): 3; (2838): 3. Nov. 5, 12, 1943. 47.8 F312

3. Building up strength. 4. Don't buy three months after a blood test.

5930 HOWES, E. Fresh blood in the [poultry] breeding flock. Mod. Poultry Keeping 49: 313. Nov. 3, 1943. 47.8 Eg3

5931 HURD, L. M. Crossbreds vs. purebreds [chickens]. [N. Y.] Rensselaer Co. Farm Bur. News 20(9): 8. Dec. 1943. 275.293 N. Y. Rensselaer Co.

5932 MENZIES, E. G. Historia y origen de los gallos de riña. (To be cont.) Mundo Avícola 6(68): 23-24, 26, 28-29. Oct. 1943. 47.8 M92

5933 MOWRER, REO. Fertility in heavy geese. All-Pets Mag. 15(7): 46. Dec. 1943. 48.8 A15

5934 PEASE, MICHAEL. Make an auto-sexing Rhode; Island; Red; by quick and slow feathering. Poultry Farmer [London] 109(2837): 3. Nov. 5, 1943. 47.8 F312

5935 PERKINS, R. L. How to care for Rollers. practical suggestions in training Roller [pigeon] youngsters. Amer. Pigeon Jour. 32: 323. Nov. 1943. 47.8 Am35

5936 PERKINS, R. L. Roller [pigeon] breed; world-wide family. All-Pets Mag. 15(7): 52-53. Dec. 1943. 48.8 A15

5937 PLATT, C. S. Let other breeds blossom too! Poultry Tribune, East. Ed. 50(1): 18, 32. Jan. 1944. 47.8 P8642

Possibility of developing less popular poultry.

5938 PUNNETT, R. C. Auto-sexing of chicks. Marit. Farmer and Coop. Dairyman 49(5): 17. Dec. 7, 1943. 7 C77

5939 SCHNETZLER, E. E. How the hatcheryman benefits by closed systems of breeding. Hatchery Tribune 17(12): 57-58. Dec. 1943. 47.8 H28

5940 SHUTTLEWOOD, GECIL. Houdans have laid good eggs for 100 years. Poultry Farmer [London] 109(2839): 7. Nov. 19, 1943. 47.8 F312

5941 TAYLOR, M. W. Marvels of Mendelism [in poultry breeding]. Mod. Poultry Keeping 49: 365. Nov. 24, 1943. 47.8 Eg3

5942 TAYLOR, M. W. Trapnesting as a basis for breeding [poultry for egg production]. Mod. Poultry Keeping 49: 329. Nov. 10, 1943. 47.8 Eg3

5943 THOMPSON, FRED. Sheer beauty marks [Bantam; Hamburgs]. All-Pets Mag. 15(7): 43-45. Dec. 1943. 48.8 A15

5944 WAGNER, C. F. The Spanish Runt [pigeon] breed; describes the ideal Runt as it was known in 1932. Amer. Pigeon Jour. 32: 325. Nov. 1943. 47.8 Am35

"Reprinted from our August, 1932, issue."

5945 WALFORD, S. M. What about crossbreds? Everybodys Poultry Mag. 43(11): 11, 29-30. Dec. 1943. 47.8 F213P

Feeds and Feeding

5946 ALEXANDER, A. K. S. Final feeds for Christmas [poultry] birds. Farmer & Stock-Breeder 57: 1845. Nov. 23, 1943. 10 F228

5947 ALLEMAN, SNYDER. Squabs fed cow's milk. Amer. Pigeon Jour. 32: 327, 335. Nov. 1943. 47.8 Am35

5948 ANDREWS, F. E. Sudden changes in rations for laying hens. Poultry, Current Sci. and Pract. (Cornell Univ.) No. 7, p. 7-9, processed. Oct. 1943. 47.9 C81P

5949 BETHKE, R. M. Adjusting poultry rations to present feed supply. Grain & Feed Rev. 33(4): 8, 48. Dec. 1943. 280.28 C78

5950 BLACK, D. J. G. A preliminary investigation of cod-liver oil feeding and ultra-violet irradiation of intensively reared chicks. Reading, England, Univ. Faculty Agr. and Hort. Bul. 54, 31 p. 1943. 103 R223

Abridged in Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 419-421. Dec. 1943. 10 G79J

5951 BROOMHEAD, W. W. Feeding 5-week-old chickens. Poultry [London] 93: 280. Nov. 2, 1943. 47.8 P869

5952 BROOMHEAD, W. W. Feeding hens under difficulties. Poultry [London] 93: 296. Nov. 9, 1943. 47.8 P869

5953 BROOMHEAD, W. W. Obtaining scraps for poultry, from registered customers. Poultry [London] 93: 312. Nov. 16, 1943. 47.8 P869

5954 BUTTNER, E. E. War time feeding of poultry. So. African Poultry, Pigeon and Bird Mag. 49: 471. Oct. 1943. 47.8 So83

5955 CARVER, J. S., and EVANS, R. J. Phosphorus supplements in the chick starting mash. U. S. Egg & Poultry Mag. 49: 556-558, 564-565. Dec. 1943. 286.85 Eg3

5956 CARVER, J. S. The use of soybean oil meal in the laying mash. Washcoegg 21(8): 7-8. Dec. 1943. 47.8 W27



- 5957 CORRIGAN, F. H. Florida possesses resources for filling its own feed bag. *[Digest]*, Fla. Poultryman and Stockman 9(12): 3, 11. Dec. 1943. 47.8 F66
- 5958 ERITH, F. H. Hens don't waste grain! *Farmers Weekly* [London] 19(25): 25. Dec. 17, 1943. 10 F2226
- 5959 GLEASON, V. R. Home grown greens [as feed for poultry, pay war dividends. *Washcoegg* 21(8): 19-20. Dec. 1943. 47.8 W27
- 5960 GOODEARL, G. P. Maintaining pullet body weight; an interesting experiment involving fleshing mash and heavy grain feeding, and its useful results. *Poultry Herald* 55(10): 3-4. Dec. 1943. 47.8 P862
- 5961 GUIDO, HORACIO. Alimentación de los patos. *Mundo Avícola* 6(68): 8-9. Oct. 1943. 47.8 M92
- 5962 HEUSER, G. F. Getting vitamin A in poultry rations. *Feedstuffs* 15(51): 29-33. Dec. 18, 1943. 286.81 F322  
"Appeared originally in the November, 1943, issue of Cornell Feed Service, published by the New York State College of Agriculture, Ithaca, N. Y."
- 5963 HOLLANDER, W. F. A bookworm's browsings. No. 4. *Amer. Pigeon Jour.* 32: 323, 339-341. Nov. 1943. 47.8 Am35  
A discussion of four different experiments on the minimum essentials for proper nutrition of pigeons.
- 5964 HUNTER, J. E. How to get the most from available poultry feed supplies. *Feedstuffs* 15(49): 25-26, 28-29. Dec. 4, 1943. 286.81 F322
- 5965 HURD, L. M. How to get top feeding efficiency. *Everybody's Poultry Mag.* 48(11): 10, 34-35. Dec. 1943. 47.8 F213P  
Includes designs for feeders.
- 5966 KEMPSTER, H. L. Feeding for egg production. *Grain & Feed Jours. Consolidated* 91: 485. Dec. 8, 1943. 298.8 G762
- 5967 KENMARD, D. C., and CHAMBERLIN, V. D. Thin-shelled eggs, their causes and remedies. *Ohio Agr. Expt. Sta. Bimo. Bul.* 28: 223-226. Nov./Dec. 1943. 100 Oh35  
Deals with dietary requirements.
- 5968 LEE, C. S. El abastecimiento de alimentos para la avicultura en esta época de guerra. (Concl.) *Agr. y Ganad.* 18(12): 21-23. Oct. 31, 1943. 8 Ag834
- 5969 PARKHURST, R. T. New England college conference poultry rations as revised 9/10/43: basal, starter, grower, layer, breeder. *Northeast. Poultryman* 37(5): 6. Nov. 1943. 47.8 N44
- 5970 REID, D. H. Poultry-feeding practices for wartime. *Farm and Ranch* 62(12): 30-31. Dec. 1943. 6 T31
- 5971 ROBERTSON, E. I. Getting eggs with present feeds. *[N. Y., Del. Co. Farm & Home Bur. News* 27(12): 2. Dec. 1943. 275.293 N. Y., Del. Co.
- 5972 RODALE, J. I. Sprouting oats for chickens. *Organic Gard.* 3(2): 17-19. July 1943. 56.8 Or3
- 5973 SIEVERLING, J. W. Troubles of a squab producer [in securing proper feed]. *Farm and Ranch* 62(12): 28-29. Dec. 1943. 6 T31
- 5974 SIEVERLING, J. W. What it takes to produce meat. *Amer. Pigeon Jour.* 32: 330-331. Nov. 1943. 47.8 Am35  
Discusses lack of usual grains, and those that are essential, as feed for pigeons.
- 5975 SUMMERS, MEADE. Double check your feed supplies before starting chicks. *Cackle and Crow* 26(2): 5. Dec. 15, 1943. 47.8 C11
- 5976 TEMPERTON, H. The feeding of acorns to laying pullets and ducks. *Empire Jour. Expt. Agr.* 11: 175-181. July/Oct. 1943. 10 Em7
- 5977 WILSON, W. O. Soft corn for poultry?—No! *Dakota Farmer* 63:546. Dec. 11, 1943. 6 D14
- 5978 WINTER, A. R., and FERGUSON, C. M. Feeding new scabby wheat to chickens [without harmful results]. *Feedstuffs* 15(52): 20, 22-23. Dec. 25, 1943. 286.81 F322
- 5979 WINTER, A. R. Feeding poultry during emergency. *Flour & Feed* 44(7): 14. Dec. 1943. 298.8 F66

#### Veterinary Medicine

- 5980 BAYON, H. P. Ducks - this keel disease. *Poultry Farmer* [London] 109(2840): 6-7. Nov. 26, 1943. 47.8 F312

Infection with *Salmonella anatis*.

- 5981 BAYON, H. P. Lamé ducks are dead ducks. *Poultry Farmer* [London] 109(2839): 6. Nov. 19, 1943. 47.8 F312

Diseases and other causes of lameness.

- 5982 FRISCHKNECHT, CARL. Program for control of pullorum disease in Utah. *Utah Farmer* 63(9): 6. Dec. 15, 1943. 6 D45

- 5983 GLOVER, J. S., and CONNELL, R. Studies in pullorum disease. *Ontario Vet. Col. Rpt.* 1942: 19-28. 1943. 41.9 On8R

- 5984 GORDON, M. D. Treatment of roup in poultry. *Field* 182: 540. Nov. 20, 1943. 10 F45

- 5985 GORRIE, C. J. R. Chickens' dietetic troubles are mostly due to vitamin deficiency. *Stock and Land* 33(34): 3. Aug. 25, 1943. 49 St63

- 5986 JAMES, LOCKE. Raise chicks from pullorum-free stock. *Northeast. Poultryman* 37(5): 15. Nov. 15, 1943. 47.8 N44

- 5987 JAMES, LOCKE. Respiratory infections in the laying flocks. *Cackle and Crow* 26(2): 2. Dec. 15, 1943. 47.8 C11

- 5988 MORLEY, F. H. W. Spirochaetosis (tick fever) in poultry. *Agr. Gaz. N. S. Wales* 54: 475. 491. Oct. 1, 1943. 23 N472

- 5989 RAMSHAW, W. E. What Utah's new pullorum control law means to Utah poultrymen. *Utah Farmer* 63(9): 3, 30. Dec. 15, 1943. 6 D45

- 5990 ROBERTSON, E. I., and LEVINE, P. P. Investigation of an unusual chick problem. *Poultry, Cur. Sci. and Pract. (Cornell Univ.)* No. 7, p. 12-13, Oct. 1943. 47.9 C81P

Deaths caused by combination of parasites and diseases.

- 5991 \*SCHURMANN, E. Zur diagnose der geflügelpest. *Berlin. u. München. Tierärztl. Wchnschr.*, No. 25/26, p. 195-198. June 25, 1943.

- 5992 SPALATIN, JOSIP. Die ausscheidung von vogelpockenvirus von der rachenschleimhaut aus. *Zentbl. f. Bakt. etc.*, Abt. I. Originale 150: 203-208. June 15, 1943. 448.3 C33

#### Miscellaneous

- 5993 ALEXANDER, A. K. S. No eggs without comforts. *Farmer & Stock-Breeder* 57: 1885. Nov. 30, 1943. 10 F228

Comfortable housing for poultry in winter.

- 5994 BANKS, W. J. Doves of war. *Fauna* 5: 99-101. Dec. 1943. 410 F27

Historical account of the homing pigeon in war.

- 5995 BEEGLE, ALLEN. Improving turkey egg fertility and hatchability. *Amer. Egg & Poultry Rev.* 4: 682, 684. Dec. 1943. 47.8 Am38

- 5996 BIRD, S. Determination of fleshing characteristics in market poultry. I. Chickens. *Sci. Agr.* 24: 135-144. Nov. 1943. 7 Sc12  
Fleshing indices (derived from body weight in relation to skeletal size) a reliable basis for selection of market type breeding strains.



5997 BOBBY, F. C. The principles and practice of chick-rearing. (Cont.) New Zeal. Jour. Agr. 67: 294-295. Oct. 15, 1943. 23 N48J

Chick-sexing; Preparing the brooder; When to put chicks under a brooder.

5998 BROOMHEAD, W. W. Getting pullets through the moult. Poultry [London], 93: 248. Oct. 19, 1943. 47.8 P869

5999 BROOMHEAD, W. W. Running pullets with yearlings. Poultry [London], 93: 232. Oct. 12, 1943. 47.8 P869

No break in egg production, if properly managed.

6000 CHARLES, T. B. Getting production from laying hens. Rural New Yorker 102: 624. Dec. 11, 1943. 6 R88

Advice on disease control, feeding practices, and feed conservation.

6001 DESCHAMPS, SILVIA. Temas avícolas. (Cont.) Rev. de Agr. [Dominican Repub.], 34: 345-347. Jan./Feb. 1943. 8 R323

Formation, structure, and composition of the egg, formation of the chick, and care and selection of eggs for hatching.

6002 DICKSON, A. N. Length of a duck's moult. Poultry Farmer [London], 109(2837): 9. Nov. 5, 1943. 47.8 F312

6003 DICKSON, A. N. Twisted duck wings [due to improper management]. Poultry Farmer [London], 109(2838): 6. Nov. 12, 1943. 47.8 F312

6004 DROFLAW, M. S. Some mistakes to avoid in producing hatching eggs. Poultry Tribune, East. Ed. 50(1): 10, 33-34. Jan. 1944. 47.8 P8642

6005 DUNGAN, D. L. Started pullets help. Poultry Herald 56(1): 7, 13. Jan. 1944. 47.8 P862

Their use simplifies and speeds up egg production.

6006 FARNSWORTH, MRS. HENRY. If layers get too cold. Kans. Farmer 80(23): 17. Dec. 11, 1943. 6 K13

Avoid extreme cold and humidity in poultry houses, and provide oyster shells or other grit.

6007 FOX, W. M. The annual moult. Pacific Poultryman 47(11): 6, 7. Dec. 1943. 47.8 P113

6008 GLASER, E. G. How to keep your pullets in good laying condition. Northeast. Poultryman 37(5): 5, 20. Nov. 1943. 47.8 N44

6009 GORDON, M. D. Cold-weather care for layers. Field 182: 568. Nov. 27, 1943. 10 F45

6010 GORDON, M. D. Lengthening winter days for layers by use of artificial light. Field 182: 488. Nov. 6, 1943. 10 F45

6011 HANKE, O. A. Why buy chicks early? Poultry Tribune, East. Ed. 50(1): 17. Jan. 1944. 47.8 P8642

6012 HEYWANG, B. W. Crianza de aves en climas calientes. Rincón Campesino 3(35/36): 16-17. Oct./Nov. 1943. 8 R47

6013 HILL, CLIFF. Take six eggs. 1-5. Poultry Farmer [London], 109(2837): 8-9; (2838): 8; (2839): 6; (2840): 6; (2841): 8-9. Nov. 5, 12, 19, 26, Dec. 3, 1943. 47.8 F312

1. A garden beginner makes a profit [with poultry]. 2. Juggling with stock. 3. I don't cook much. 4. Chick feed. 5. Job is continuous.

6014 HOLMES, MRS. Y. W. A \$3,000,000 [poultry] industry in Smiley--Texas' broiler capitol. Farm and Ranch 62(12): 1, 26. Dec. 1943. 6 T31

6015 HOLROYD, J. K. Dry dusting [for poultry] in winter. Poultry Farmer [London], 109(2838): 7. Nov. 12, 1943. 47.8 F312

6016 HORSNELL, CHARLES. All set for the [poultry] in winter? Poultry [London], 93: 267. Oct. 26, 1943. 47.8 P869

6017 HORTON, D. H. A fall molt in pullets slows production. Northeast. Poultryman 37(5): 12. Nov. 1943. 47.8 N44

6018 HOWES, H. Finishing course for the turkeys. Mod. Poultry Keeping 49: 365. Nov. 24, 1943. 47.8 Eg3

Feeding, care, and type for breeding stock.

6019 JAMES, LOCKE. Helpful pointers on duck rearing. Poultry Tribune, East Ed. 50(1): 62-63. Jan. 1944. 47.8 P8642

6020 JAMES, LOCKE. Not all non-layers deserve to be culled. Northeast. Poultryman 37(5): 32. Nov. 1943. 47.8 N44

6021 JULL, M. A. Efficiency of production considering size of bird. Hatchery Tribune 17(12): 59-61. Dec. 1943. 47.8 H28

White Leghorns about 4 lbs. per bird for most efficient egg production; General purpose layers about 5 1/2 to 6 lbs. for most efficient meat and egg production.

6022 KLEIN, JACK. Cannibalism easily controlled. Calif. Cult. 90: 616-617. Nov. 27, 1943. 6 C12

6023 LABARTHE, C. A. Fertilidad e incubabilidad en los huevos de gallina. Cir. Med. Vet. de la Prov. de Buenos Aires. Rev. 7: 252-259. Sept./Oct. 1943. 41.9 C49

6024 LEVINE, P. P., and HOFF, P. R. Prevent the freezing of combs, wattles, and feet. [N. Y.] Rensselaer Co. Farm Bur. News 20(9): 6. Dec. 1943. 275.293 N. Y., Rensselaer Co.

6025 LODGE, CYRIL. Peat moss [as litter] gets too sodden. Poultry Farmer [London], 109(2838): 3. Nov. 12, 1943. 47.8 F312

6026 LODGE, CYRIL. Three vices [egg-eating, feather-picking, cannibalism]. Poultry Farmer [London], 109(2840): 6. Nov. 26, 1943. 47.8 F312

6027 LODGE, CYRIL. Why new pullets are not in lay. Poultry Farmer [London], 109(2839): 7. Nov. 19, 1943. 47.8 F312

6028 LOZANO, A. El cuidado de las futuras nonedoras. Mundo Avícola 6(68): 4-6. Oct. 1943. 47.8 M92

Includes building instructions for an economical poultry shed.

6029 LYON, JAMES. Victory over "cannibalism" - debeaking. Nulaid News 21(8): 7-8. Nov. 1943. 47.8 N917

6030 McCLASKEY, G. D. The poultry show of tomorrow. U. S. Egg & Poultry Mag. 49: 535-537, 566-568. Dec. 1943. 286.85 Eg3

6031 McNEIL, J. H. Backlotterers are satisfied. Poultry Tribune, East. Ed. 50(1): 15, 47-48. Jan. 1944. 47.8 P8642

Survey of backyard poultry raising, Concord, Mass., to see if production justifies feed and equipment used

6032 MENDEZ M., GREGORIO. Si sus gallinas no ponen. Vida Rural 5(50): 25. Sept. 1943. 9.4 V66

6033 MITCHELL, JIM. My plans for the post-war fold egg farm. Poultry Farmer [London], 109(2839): 3. Nov. 19, 1943. 47.8 F312

6034 MOORE, A. C. If I were starting [poultry] raising, again. 3-7. (Concl.) Poultry [London], 93: 228, 244, 260, 276, 292. Oct. 12, 19, 26, Nov. 2, 9, 1943. 47.8 P869

3. Breeding is important on the egg farm. 4. Outdoor rearing for me. 5. Give them good plain food. 6. Profitable sidelines. 7. Proper management is essential.

6035 NATIONAL egg-laying test, 1941-42 [conducted by the Eire Department of Agriculture]. Eire Dept. Agr. Jour. 11: 165-207. Mar. 1943. 10 Ir2J

6036 NEUERBURG, GEORGE. Rules of business needed [for the pigeon fancier]. All-Pets Mag. 15(7): 49-50. Dec. 1943. 48.8 A15



- 6037 NEWMAN, TOM. Keeping poultry on semi-intensive lines, emphasises the importance of fresh land. *Mod. Poultry Keeping* 49: 370-371. Nov. 24, 1943. 47.8 Eg3
- 6038 OSMOND, W. H. Pigeon saves RAF crew shipwrecked. *All-Pets Mag.* 15(7): 50. Dec. 1943. 48.8 A15
- 6039 PEARSON, H. S. The backyard flock. *Northeast. Poultryman* 37(5): 21. Nov. 1943. 47.8 M44
- Poultry feeding, care and management.
- 6040 PECK, LYMAN. Let's push hatchability up; quick way to reduce waste is to get better hatches. *Hatchery Tribune* 17(12): 19, 23. Dec. 1943. 47.8 H28
- 6041 PERKINS, E. Don't be misled about cages. *Poultry Farmer [London]* 109(2838): 7. Nov. 12, 1943. 47.8 F312
- Statement about the battery method of keeping hens.
- 6042 RICE, E. C. Pigeon and squab raising. *Rural New Yorker* 102: 627. Dec. 11, 1943. 6 R88
- 6043 RICHARDS, C. W. Comments from a county agent on poultry care. *South. Planter* 104(12): 36. Dec. 1943. 6 So89
- 6044 RODALE, J. I. Earthworms and chickens. *Organic Gard.* 3(2): 11-12. July 1943. 56.8 Or3
- Use of earthworms in pit of earth under roost to consume droppings.
- 6045 ROSCOE, C. S. Can ducks die of jealousy? *Poultry [London]* 93: 250. Oct. 19, 1943. 47.8 P869
- Special care needed to prevent unfortunate effect of sudden disturbances.
- 6046 ROSCOE, CHARLES. If you are wanting eggs in winter buy bred-to-lay ducks. *Poultry [London]* 93: 310. Nov. 16, 1943. 47.8 P869
- 6047 ROSCOE, CHARLES. Keep ducks dry at night. *Poultry [London]* 93: 282. Nov. 2, 1943. 47.8 P869
- 6048 RUBIO, D. M. La explotación de aves en baterías. (Cont.) *Mundo Avícola* 6(68): 14-15. Oct. 1943. 47.8 M92
- 6049 THOMPSON, A. E. Some suggestions to make easy and successful the hatchery clean-up. *Hatchery Tribune* 17(12): 37, 42-43. Dec. 1943. 47.8 H28
- Sanitation methods described and those diseases apt to spread in hatcheries mentioned, giving probable sources and control measures.
- 6050 VAN DER WALT, J. P. Kuikens van kwaliteit. *So. African Poultry, Pigeon and Bird Mag.* 49: 473. Oct. 1943. 47.8 So83
- Poultry for high egg production.
- 6051 \*VOLKOV, D. Ptitsefermy v kazhdyi sovkhovz [Poultry raising on each state farm]. *Sovkhoznoe Proizvodstvo*, No. 3/4, p. 22. Mar./Apr. 1943.
- 6052 WARE, H. G. Buy [chicks] with care [to attain poultry production goals for 1944] then prepare. *Farmer-Stockman* 57(1): 23. Jan. 1944. 6 Ok45
- 6053 WEAVER, L. E. If you must cull now--here's how! Winter culling presents peculiar problems. *Poultry Tribune, East. Ed.* 50(1): 11, 14. Jan. 1944. 47.8 P8642
- 6054 WILLIAMS, G. T. Producing eggs; laying test winners. (Concl.) *Poultry [London]* 93: 235, 266. Oct. 12, 26, 1943. 47.8 P869
- 6055 WILSON, BENTLEY. Timely tips from Poultry Tribune Experimental Farm. *Poultry Tribune, East. Ed.* 50(1): 3, 48-49. Jan. 1944. 47.8 P8642
- Feeding and care to keep up egg production.
- 6056 WINTERS, S. R. Afraid of hens? Mrs. Yocheison was, but grossed \$10,000 from them last year. *Poultry Tribune, East. Ed.* 50(1): 76-77. Jan. 1944. 47.8 P8642

## RABBITS

Breeds and Breeding

- 6057 SIDNEY, E. M. Winter [rabbit] breeding. *Poultry Farmer [London]* 109(2838): 9. Nov. 12, 1943. 47.8 F312
- 6058 SNOW, C. F. Utility rabbits. *Mod. Poultry Keeping* 49: 335. Nov. 10, 1943. 47.8 Eg3
- Defines best type for meat.

Feeds and Feeding

- 6059 BEETCH, ALAN. Winter feeding difficulties and how they can be overcome. *Poultry [London]* 93: 329. Nov. 23, 1943. 47.8 P869
- 6060 SNOW, C. F. Food crops for rabbits. *Mod. Poultry Keeping* 49: 353. Nov. 17, 1943. 47.8 Eg3
- 6061 SNOW, C. F. Regular rabbit meals. *Mod. Poultry Keeping* 49: 317. Nov. 3, 1943. 47.8 Eg3

Veterinary Medicine

- 6062 \*\*BEARD, J. W., and others. The nature of a virus associated with carcinoma in rabbits. *Surg. Gynec. and Obst.* 74: 509-513. 1942.
- A. R. Taylor, D. G. Sharp, and D. Beard, joint authors.
- Abs. in *Vet. Bul.* 13: 393. Nov. 1943. 41.8 T752
- 6063 BEETCH, ALAN. Guard against winter ailments of rabbits. *Poultry [London]* 93: 281. Nov. 2, 1943. 47.8 P869
- 6064 BERENS, CONRAD, GARA, P. F. DE, and LOUFFALLAE, MICHEL. Effect of sulfonamide ointment on healing of experimental wounds of rabbit cornea. *Arch. Opth.* 30: 631-644. Nov. 1943. 448.8 Ar291
- 6065 \*KHARICHKOVA, M. V. K izuchenii epizootologii passaluroza krolikov (To the study of the epizootology of rabbit passalurose). *Lenin Acad. Agr. Sci. U. S. S. R. Proc.* 7(9/10): 38-39. 1942.
- Passalurus ambiguus*.
- 6066 \*KOFFMAN, M. Undersökningar angående den terapeutiska effekten av preparatet "Fentiazin Leo" vid behandlingen av coccidiosis hos kanin. *Skand. Vet. Tidskr.* 33: 69-83. Feb. 1943.
- English summary: Investigations respecting the therapeutic effect of the "Fentiazin Leo" preparation in the treatment of coccidiosis in rabbit.
- 6067 MACKAY, A. A. Rabbit coccidiosis can't affect poultry. *Poultry [London]* 93: 324. Nov. 23, 1943. 47.8 P869
- 6068 RUSSON, J. B. Chemical greens danger. *Poultry Farmer [London]* 109(2839): 8. Nov. 19, 1943. 47.8 F312
- Poisoning of rabbits by chemical fertilizers on leaves.
- 6069 SIDNEY, E. M. Tapeworms of rabbits and treatment. *Poultry Farmer [London]* 109(2837): 11. Nov. 5, 1943. 47.8 F312
- 6070 VAIL, E. L. Woolly-pod or broad-leaved milk weed. *Calif. Rabbits Mag.* 7(5): 7-8. Dec. 1943. 40.28 Sa5
- Asclepias eriocarpa* poisonous to rabbits.

Miscellaneous

- 6071 BEETCH, ALAN. How to obtain bran for does. *Poultry [London]* 93: 265. Oct. 26, 1943. 47.8 P869
- Mentions other regulations for rabbits in England.
- 6072 BEETCH, ALAN. Produce fur as well as meat...rabbit-keepers will not find it difficult to combine the two. *Poultry [London]* 93: 313. Nov. 16, 1943. 47.8 P869
- Includes method for removing and handling the pelt.
- 6073 BEETCH, ALAN. Rearing rabbits after they are weaned. *Poultry [London]* 93: 249. Oct. 19, 1943. 47.8 P869



6074 BEETCH, ALAN. Rearing rabbits in colonies in winter. Poultry [London] 93: 297. Nov. 9, 1943. 47.8 P869

6075 BEETCH, ALAN. What to do when a litter is born. Poultry [London] 93: 233, 235. Oct. 12, 1943. 47.8 P869

6076 IRVING, CLIFFORD. Make money from one meat and fur breed. Poultry Farmer [London] 109 (2837): 10. Nov. 5, 1943. 47.8 F312

6077 SEIFERT, H. A. New Zealand, insures cheaply against rabbits. Stock and Land 33(39): 1. Sept. 29, 1943. 49 St63

Rabbit control organizations.

6078 SIDNEY, E. M. Winter breeding needs nest boxes. Poultry Farmer [London] 109(2840): 8. Nov. 26, 1943. 47.8 F312

6079 SNOW, C. F. Indoor rabbit colonies, a good method where large stocks are kept. Mod. Poultry Keeping 49: 371. Nov. 24, 1943. 47.8 Eg3

6080 WOLTON, J. D. S. How to start a commercial rabbitry. Poultry Farmer [London] 109 (2838): 8. Nov. 12, 1943. 47.8 F312

#### SHEEP AND GOATS

##### Breeds and Breeding

6081 \*BARBASHEVA, Z. I., and GINETSINSKIY, A. G. Oshennosti prispobleniya k vysote u gissarskikh ovets (Specific traits in the adaptation of Guissar sheep to altitude). Akad. Nauk S. S. S. R. Izv. Ser. Biol. (Acad. des Sci. U. R. S. S. Bul. Sér. Biol.) 1942, No. 5, p. 295-302.

English summary.

6082 BROWN, D. G. The Half-bred ewe in war time. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 399-401. Dec. 1943. 10 G79J

A cross between Cheviot and Border Leicester.

6083 CAREW, JAS. The Romney Marsh [breed of sheep]. Queensland Agr. Jour. 57: 226-228. Oct. 1943. 23 Q33

6084 FETTER, J. F. Asking the impossible. Goat World 28(12): 5-6. Dec. 1943. 40.18 G53

Breeding characteristics desired for milk goats.

6085 HORLACHER, L. J. Rapid growth means profit in spring lamb production. Sheep and Goat Raiser 24(3): 42. Dec. 1943. 45.8 Sh3

Value of the Hampshire breed of sheep.

6086 HULTZ, F. S. Why cross breeds in sheep? Sheep and Goat Raiser 24(3): 74-75. Dec. 1943. 45.8 Sh3

6087 \*LIUBAVSKIY, A. Ulychshit' ukhod za sufnymi ovtsami [To improve the care of pregnant ewes]. Sovkhoznoe Proizvodstvo, No. 1/2, p. 35-36. Jan./Feb. 1943.

Discusses breeding and artificial insemination.

6088 LUTES, OMER. Here is something else to remember about goat breeding. Amer. Dairy Goat News 5(7): 7, 8. Jan. 1944. 40.18 Am34

6089 MILLER, J. C. Sheep breeding on a dollar and cents basis. Sheep and Goat Raiser 24(3): 69-70, 75. Dec. 1943. 45.8 Sh3

Emphasizes need for more reliable standards of judging at livestock shows.

6090 PALSSON, H. Bundarfelag Islands--Iceland. Calif. Wool Grower 19(44): 15-22. Nov. 2, 1943. 45.8 G12

History, characteristics, management, and wool quality of the Iceland sheep breed.

Also in Sheep and Goat Raiser 24(3): 78-83. Dec. 1943. 45.8 Sh3

6091 STEELE, F. D. The milkyway Saanens. Amer. Dairy Goat News 5(7): 4-5, 18. Jan. 1944. 40.18 Am34

6092 TYLER, MRS. T. N. Toggenburgs can take it. Amer. Dairy Goat News 5(7): 20. Jan. 1944. 40.18 Am34

Adaptable to climatic conditions.

##### Feeds and Feeding

6093 THOMAS, J. F. H. Winter feeding of sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 401-404. Dec. 1943. 10 G79J

##### Veterinary Medicine

6094 BOUGHTON, I. B. First official statement on three years' investigation--phenothiazine-salt mixture for range sheep. Sheep and Goat Raiser 24 (3): 66, 68. Dec. 1943. 45.8 Sh3

6095 CARTER, H. B. Studies in the biology of the skin and fleece of sheep. Austral. Council Sci. and Indus. Res. Bul. 164, 59 p. Melbourne, 1943. 514 Au72B

16 plates and folded chart at end. Ref. at end of each section.

6096 FLETCHER, J. M. A febrile disease of sheep. Vet. Rec. 55: 271. July 10, 1943. 41.3 V641

6097 GORRIE, C. J. R. Many pulpy kidney outbreaks in advanced fat lambs. Stock and Land 33(44): 3. Nov. 3, 1943. 49 St63

6098 IRVING, MARSHALL. Treat sheep for stomach worm now! Queensland Agr. Jour. 57: 248-249. Oct. 1, 1943. 23 Q33

6099 LYLE STEWART, W. Healthy sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 404-408. Dec. 1943. 10 G79J

Control of infectious, parasitic, and nutritional diseases.

6100 MARSH, HADLEIGH. Venereal disease of rams ... and lip-and-leg ulceration. Mont. Wool Grower 17(12): 18-19. Dec. 1943. 45.8 M762

Probably caused by same virus.

6101 MOULE, G. R. Milk fever and pregnancy sickness (pregnancy toxæmia) of ewes. Queensland Agr. Jour. 57: 244-247. Oct. 1, 1943. 23 Q33

6102 STOLL, N. R. The wandering of Haemonchus in the sheep host. Jour. Parasitol. 29: 407-416. Dec. 1943. 44.8 J824

6103 \*STREICH, W. Lymphangioendotheliome beim schaf. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 34-36. Apr. 24, 1943.

6104 TUNNICLIFF, E. A. Persistence of immunity against infectious necrotic hepatitis in sheep vaccinated with an alum-precipitated toxoid. Amer. Vet. Med. Assoc. Jour. 103: 368-370. Dec. 1943. 41.8 Am3

##### Miscellaneous

6105 ASHTON, JOHN. The golden fleece of early days; sheep and goat history from pre-historic to modern times. Sheep and Goat Raiser 24(3): 9-15. Dec. 1943. 45.8 Sh3

6106 BENNION, GLYNN. The beginning of the wool industry in Utah. (Concl.) Natl. Wool Grower 33(12): 38-39. Dec. 1943. 45.8 N21N

6107 BOMMER, MRS. A. R. What good is a goat? Goat World 28(12): 16. Dec. 1943. 40.18 G53

6108 HODGE, J. L. Hints on sheep management. Queensland Agr. Jour. 57: 228-230. Oct. 1943. 23 Q33

6109 HULBERT, H. H. Results of sheep shearing schools. Sheep Breeder 64(1): 23. Jan. 1944. 45.8 Am31

6110 REINHARDT, R. M. To beginner from experience. II. Goat World 28(12): 2-4. Dec. 1943. 40.18 G53

Advice on judging, breeding, and feeding of goats.



- 6111 SNELL, TOM. A report of progress in New Mexico's multi-million dollar sheep industry. N. Mex. Stockman 8(12): 6, 23. Dec. 1943. 49 N462  
Concerning the work of the New Mexico Sheep Sanitary Board, stressing sanitation and use of good rams.  
6112 WENTWORTH, ED. The golden fleece in Texas. Sheep and Goat Raiser 24(3): 16, 20, 25-32. Dec. 1943. Ref., p. 31-32. 45.8 Sh3  
History of sheep raising in Texas.

## SWINE

Breeds and Breeding

- 6113 BUNDY, C. E. Herd boar clinic. Hog Breeder 18(12): 30. Dec. 1943. 46.8 H672  
6114 \*HALLQUIST, CARL. The individuality of sows in regard to size of litters. Hereditas 28: 127-135. Jan. 8, 1942.  
6115 \*SIMON, M. Novaja poroda Sibirskikh sviney [A new breed of Siberian swine]. Sovkhoznoe Proizvodstvo, No. 5, p. 31-34. May 1943.  
6116 WILT, JOHN. Looking back at type. Hog Breeder 18(12): 5. Dec. 1943. 46.8 H672  
Breeding hogs for type.

Feeds and Feeding

- 6117 BALLINGER, C. E. The value of vitamin supplements and pasture for store pigs wintered in grass pens, bare yards, and sties in New Zealand. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 24: 263A-272A. Feb. 1943. 514 N48  
Study of value of cod-liver oil.  
6118 BRAUDE, R. Value of horse chestnuts as food for pigs. Nature [London] 152: 571-572. Nov. 13, 1943. 472 N21  
6119 DAVIS, B. C. Balanced feeding pays. Agr. Ed. Mag. 16: 117. Dec. 1943. 275.8 Ag8  
Marked difference in feeding swine yellow corn, with, and without, protein.  
6120 DUCK, R. W. Feeding brood sows, gilts, boars and pigs. Rural New Yorker 102: 614. Dec. 11, 1943. 6 R88  
6121 FERRIN, E. F. Saving protein concentrates in rations for growing pigs. Hog Breeder 18(12): 42. Dec. 1943. 46.8 H672  
6122 LOVATT, J., and others. The fattening of pigs on swill alone: a municipal enterprise. Emoire Jour. Expt. Agr. 11: 182-190. July/Oct. 1943. 10 Em7  
A. N. Worden, J. Pickup, and C. E. Brett, joint authors.  
6123 PORTER, J. L. Some pig feeding trials made on Achimota College Farm, Gold Coast Colony, 1939-1942. Farm and Forest 4: 143-147. Sept. 1943. 24 F226  
Farm records kept during the process of building up a small pork-producing farm, with cost production as primary object.  
6124 \*SEREBRIAKOV, P. Grubye i sochnye korma v ratsionalakh sviney [Coarse and juicy food in the feeding of swine]. Sovkhoznoe Proizvodstvo, No. 5, p. 26-30. May 1943.  
6125 SHELTON, E. J. Feeding bacon pigs. Queensland Agr. Jour. 57: 238-240. Oct. 1943. 23 Q33  
6126 SLADER, W. B. The war-time brood sow needs careful attention to diet. Farmers Weekly [London] 19(25): 25. Dec. 17, 1943. 10 F2226  
6127 STEEL, N. A. Pig raising without milk, using wheat and meat meal. Live Stock Bul., Oct. 1, 1943, p. 17. 23 F222  
6128 THOMPSON, C. P. Feeding hogs under war-time conditions. Chester White Jour. 33(12): 9-10. Dec. 1943. 46.8 W582

- 6129 VALDIVIA, M. A. El mani y la batata como alimento para el cerdo. Rev. de Agr. [Dominican Repub.] 34: 360-361. Jan./Feb. 1943. 8 R323  
6130 VESTAL, C. M. Low-protein supplements [for feeding swine]. Hog Breeder 18(12): 8. Dec. 1943. 46.8 H672  
6131 WALLACE, L. R. The value of pasture for meal-fed pigs. Empire Jour. Expt. Agr. 11: 168-174. July/Oct. 1943. 10 Em7  
6132 WHAT quantities of vitamin D should logically be included in swine feed? Vitamin D Digest 5: 35. Nov. 1943. 389.78 V83  
6133 WOODMAN, H. E. Notes on feeding. Feeding the bacon pig. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 412-418. Dec. 1943. 10 G79J  
6134 ZAVORAL, H. G. Balanced rations help sows farrow strong pigs. Chester White Jour. 33(12): 36-38. Dec. 1943. 46.8 W582

Veterinary Medicine

- 6135 \*ALEKSANDROVSKAYA, M. Profilakticheskoe lecheniye svoistva atsidofilina [The prophylactic-medical properties of acidophilus milk]. Sovkhoznoe Proizvodstvo, No. 1/2, p. 42-43. Jan./Feb. 1943.  
Used on piglets.  
6136 BARRAZA QUIROGA, FERNANDO. Peste porcina. Soc. Agr. del Norte Bol. 27: 613-614. Aug. 1943. 9.3 Sol4  
Hog cholera in Chile.  
6137 BEARD, W. A. Hogs poisoned by "clay pigeons." Amer. Vet. Med. Assoc. Jour. 103: 385. Dec. 1943. 41.8 Am3  
"Blue rock" toxic after lying in field 40 years.  
6138 EVANS, J. W. Internal parasites of swine. Victoria. Dept. Agr. Jour. 41: 485-491. Oct. 1943. 25 V66J  
6139 \*KOHL, K. Simultanimpfversuch gegen schweinepest mit einem an aluminiumhydroxyd adsorbierten virus. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 9-10. Apr. 10, 1943.  
6140 MCCABE, J. F. The delayed use of hog-cholera virus in immunization of swine against hog cholera. Amer. Vet. Med. Assoc. Jour. 103: 384. Dec. 1943. 41.8 Am3  
6141 MCINTOSH, R. A. A report of an outbreak of avian tuberculosis in swine. Ontario Vet. Col. Rpt. 1942: 39-44. 1943. 41.9 On8R  
6142 MCOWEN, J. A. Milk fever in sows. Fort Dodge Bio-Chem. Rev. 14(4): 14. Fall 1943. 41.8 F772  
6143 OGILVIE, D. D. Solanin poisoning in pigs. Vet. Rec. 55: 249. June 19, 1943. 41.8 V641  
From eating sprouted potatoes.  
6144 \*OPPERMANN, TH. Rätzel um den plötzlichen herztod des schweines? Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 27-28. Apr. 24, 1943.  
6145 PHILLIPS, C. E. Alcaligines bronchisepticus as an etiological factor in porcine pneumonias. Ontario Vet. Col. Rpt. 1942: 36-37. 1943. 41.9 On8R  
6146 \*SANDSTEDT, H. Om simultanymfning mot rödsjuka hos svin. Skand. Vet. Tidskr. 33: 34-40. Jan. 1943.  
English summary: On vaccination and simultaneous serum treatment against swine erysipelas.  
6147 \*SCHMIDT, ERNST. Betrachtungen über den impfrotlauf. Deut. Tierärztl. Wchnschr./Tierärztl. Rundschau 51/49: 28-29. Apr. 24, 1943.  
6148 \*VAU, E. Die ohrmarkeln und der schildknorpel des ohres bei steh- und hängeschrigen schweinen. Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 181-183. June 11, 1943.



## Miscellaneous

- 6149 GRAYSON, A. R. Some aspects of swine husbandry. Victoria Dept. Agr. Jour. 41: 483-484. Oct. 1943. 23 V66J  
Improved breeding, feeding and management, and sanitation and disease control.
- 6150 \*KARAMYSHEV, A. Na peredovoy fermе [On a progressive farm]. Sovkhoznoe Proizvodstvo, No. 1/2, p. 33-34. Jan./Feb. 1943.  
Swine raising and feeding of the young.
- 6151 PACE, J. E. Still more pork is victory need; get it by feed and care of fall farrowed pigs. Fla. Grower 51(12): 14. Dec. 1943. 80 F6622
- 6152 QUINTANA, MILTON. Introdução ao estudo da suinocultura Sul-riograndense. (Concl.) Rev. Agron. [Porto Alegre, Brazil] 7: 411-412, 414. Aug. 1943. 9.2 R325
- 6153 SCHMIDT, G. A. They raised the pigs. Agr. Ed. Mag. 16: 116. Dec. 1943. 275.8 Ag8  
Achievements, 1926-1942, and methods of vocational agriculture classes of West Salem, Wis., high school.
- 6154 SHELTON, E. J. Pointers on sanitation for pig farmers. Queensland Agr. Jour. 57: 241. Oct. 1943. 23 Q33
- 6155 THOMPSON, C. P. Good care will yield returns. Farmer-Stockman 57(1): 12. Jan. 1944. 6 Ok45

## ENTOMOLOGY

## GENERAL

- 6156 \*BERGOLD, GERNOT. Über polyederkrankheiten bei insekten. Biol. Zentbl. 63: 1-55. Jan./Feb. 1943.
- 6157 CHAPIN, E. A., and others. The insects and mites [Cruise VII of the Carnegie]. Carnegie Inst. Wash. Pub. 555, p. 91-92. Washington, 1943. 442 C212
- 6158 CORTÉS, RAÚL. A glance at Chilean entomology. Wash. Ent. Soc. Proc. 45: 226-232. Dec. 1943. 420 W27
- 6159 \*GHILAROV, M. S. Parallelisms in the formation of entomocoenoses of grain fields in eastern Europe and North America. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 38: 44-46. 1943.  
Text in English.
- 6160 HEMMING, FRANCIS. The functions and powers of the International Commission on Zoological Nomenclature. Bul. Zool. Nomencl. 1: iv-xxvi. May 21, 1943. 410 B874
- 6161 HEMMING, FRANCIS. International Commission on Zoological Nomenclature. Bul. Zool. Nomencl. 1(3): 8-52. Oct. 28, 1943. 410 B874  
Report of sessions held during Twelfth International Congress of Zoology, Lisbon, September 1935.
- 6162 HEMMING, FRANCIS. The official record of proceedings of the International Commission on Zoological Nomenclature at their session held at Lisbon in September 1935. Bul. Zool. Nomencl. 1(3): 5-7. Oct. 28, 1943. 410 B874
- 6163 HEMMING, FRANCIS. On certain minor corrections made in the report submitted by the International Commission on Zoological Nomenclature to the Twelfth International Congress of Zoology, Lisbon, September 1935. Bul. Zool. Nomencl. 1(3): 64-69. Oct. 28, 1943. 410 B874
- 6164 HEMMING, FRANCIS. On the Lisbon decisions of the International Commission on Zoological Nomenclature. Bul. Zool. Nomencl. 1(3): 1-4. Oct. 28, 1943. 410 B874

6165 HEMMING, FRANCIS. Plenary conference between the president of the International Commission on Zoological Nomenclature and the secretary to the International Commission. Bul. Zool. Nomencl. 1(3): 70-86. Oct. 28, 1943. 410 B874

Minutes of a meeting held at Columbia House, Aldwych, London, June 19, 1939.

6166 HILTON, W. A. Sense organs, XIV. Gustatory receptors. Jour. Ent. and Zool. 35: 66-76. Dec. 1943. Ref., p. 70-76. 421 F77

General discussion of sense of taste in animals, including insects.

6167 IRIARTE, D. R. Contribución a la fauna venezolana. Clin. "Luis Razetti" Lab. Bol. 4: 189-203. June 1943. 448.9 C61

6168 \*\*JANISCH, ERNST. Praktische zoologie als wissenschaft. Arb. über Physiol. u. Angew. Ent. 9: 63-77. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 10M. Jan. 1943.

6169 JORDAN, KARL. Decision to establish the Bulletin of Zoological Nomenclature. Bul. Zool. Nomencl. 1: i-iii. May 21, 1943. 410 B874

6170 \*KREPS, E. M., and CHENYKAEVA, E. IU. Novye dannye po obmenu CO<sub>2</sub> u rakovbrannykh i nasekomykh [On the exchange of carbon dioxide in crustacea and insects]. Akad. Nauk S. S. S. R. Izv. Ser. Biol. (Acad. des Sci. U. R. S. S. Bul. Sér. Biol.) 1942, No. 5, p. 310-321.

English summary.

6171 VALENTINE, J. M. Insect taxonomy and principles of speciation. Wash. Acad. Sci. Jour. 33: 353-358. Dec. 15, 1943. 500 W276J

6172 WEISS, H. B. The journal of the New York Entomological Society 1893-1942. N. Y. Ent. Soc. Jour. 51: 285-294. Dec. 1943. 420 N48J

6173 WILLIAMS, G. M. Technique for stroboscopic studies of insect flight. Science 98: 522-524. Dec. 10, 1943. 470 Sci2

## GENERAL - ECONOMIC

6174 \*BECKER, GUNTHER, and SCHULZE, BRUNO. Die laboratoriums-prüfung der insektiziden wirkung von holzschutzmitteln und die beurteilung ihrer ergebnisse. Arb. über Physiol. u. Angew. Ent. 9: 45-51. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 145M. Oct. 1942.

6175 BORDEN, A. D. Winter spraying deciduous trees. Calif. Cult. 90: 599, 606. Nov. 27, 1943. 6 C12

6176 BOWEN, C. V., and BARTHEL, W. F. Determination of nicotine and mornicotine in tobaccos. Indus. and Engin. Chem., Analyt. Ed. 15: 740-741. Dec. 22, 1943. 381 J825A

6177 BOYCE, A. M. Gesarol, a promising agricultural insecticide. Calif. Citrog. 29: 76-77. Jan. 1944. 80 C125

Same title appears in Citrus Leaves 23(12): 11, 26. Dec. 1943. 80 C492

6178 BRUNTON, J. O. Cryolite. Pests 11(12): 19, 29. Dec. 1943. 449.8 Ex8

6179 \*\*CARIMINI, MARIO. Esperienze di lotta contro gli insetti del grano con trichloroacetoneitrile (Tritox). Redia 28: 103-137. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 42M. Mar. 1943.

6180 CARROLL, J. Insect pests affecting food production in garden and allotment. Fire. Dept. Agr. Jour. 40: 216-220. Mar. 1943. 10 Ir2J

6181 COMPTON, C. C. The rose midge [Dasyneura rhodophaga] and strawberry rootworm [Paria canella]. Canad. Florist 38: 335, 348. Nov. 5, 20, 1943. 80 C163



- 6182 CURLETT, J. N. A tribute to the insecticide industry. *Soap* 19(12): 110, 143B. Dec. 1943. 307.8 Sol2
- 6183 DAVIS, J. J. Pest control and the war effort. *Pests* 11(12): 18. Dec. 1943. 449.8 Ex8
- 6184 DICK, J. Two new insect pests [Spodoptera mauritia, Temnorhynchus clypeatus, of sugarcane in Natal. So. African Sugar Technol. Assoc. Proc. 17: 64-65. 1943. 65.9 So83
- 6185 DOUGLAS, A. T. Protection against orchard pests. *New Zeal. Jour. Agr.* 67: 289-290. Oct. 15, 1943. 23 N48J
- 6186 EDDY, C. O. Nicotine's expanded role. *South. Florist & Nurseryman* 66(14): 5, 9. Dec. 31, 1943. 80 So86
- Refers to use in insecticidal dusts.
- 6187 EDDY, C. O. "Secret weapons" on bug front are unlimbered. Cryolite is important. *South. Florist & Nurseryman* 56(11): 7, 19-20. Dec. 10, 1943. 80 So86
- 6188 FAIRCHILD, G. B. An annotated list of the bloodsucking insects, ticks and mites known from Panama. *Amer. Jour. Trop. Med.* 23: 569-591. Nov. 1943. Ref., p. 587-591. 448.8 Am33
- 6189 FAIRFIELD, V. A. Insect food damage. *Soap* 19(12): 113, 115, 141. Dec. 1943. 307.8 Sol2
- 6190 FAUST, E. C. Insects and their allies as causative agents and transmitters of disease. *Northwest Med.* 42: 250-257. Sept. 1943. U. S. Pub. Health Serv. Libr.
- Digest in Internatl. Med. Digest 43: 350-356. Dec. 1943. 448 T431
- 6191 FOX, W. B. Some insects infesting the "selenium indicator" vetches in Saskatchewan. *Canad. Ent.* 75: 206-207. Nov. 1943. 421 C16
- 6192 FREAR, D. E. H. A catalogue of insecticides and fungicides. *Science* 98: 585. Dec. 31, 1943. 470 Sc12
- 6193 \*\*CHOSE, T. P. A note on derris and other rotenone bearing vegetable insecticides, their occurrence and possibilities of cultivation in India. *Indian Forest Leaflet* 20, 9 p. Dehra Dun, 1942. Abs. in *Rev. Appl. Ent.*, A 31: 427-428. Oct. 1943. 421 R325
- 6194 GREAT BRITAIN. IMPERIAL INSTITUTE. CONSULTATIVE COMMITTEE ON INSECTICIDE MATERIALS OF VEGETABLE ORIGIN. Quarterly bibliography on insecticide materials of vegetable origin, No. 23 (April to June 1943). *Gt. Brit. Imp. Inst. Bul.* 41, p. 181-183. July/Sent. 1943. 26 G79
- Prepared in collaboration with the Imperial Institute of Entomology and the Department of Insecticides and Fungicides, Rothamsted Experiment Station.
- 6195 HERBERT, F. B. Labor saving methods in spraying almonds. *Almond Facts* 7(6): 15. Nov./Dec. 1943. 280.28
- Lists principal insect pests of almonds.
- 6196 HILLMAN, C. C. Medical operations in the Pacific theatres. *Va. Med. Monthly* 70: 594-597. Dec. 1943. 448.8 V59
- Malaria is the most serious disease problem and the vector is *Anopheles punctulatus* var. *moluccensis*. The mite-borne tsutsugamushi disease is also discussed.
- 6197 \*KAISER, W. Aus der praxis der winter-spritzung der obstbaume. *Kranke Pflanze* 19: 1-6. Jan./Feb. 1942.
- 6198 KEARNS, H. G. H., and MARSH, R. W. A summary of fruit spraying programmes. 1942 revision. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.* 1941: 59-69. 1941. 84 B77
- 6199 KILLEFFER, D. H. AIFA plans crop protection. *Chem. and Engin. News* 21: 1262-1263. Aug. 10, 1943. 381 J825N
- 6200 \*KLENGEL, A. Zur klärung der "staren-fraga." *Kranke Pflanze* 19: 28-33. Mar./Apr. 1942. Food of the starling (including insects) throughout the year.
- 6201 KNOWLTON, G. F., and WOOD, S. L. Seasonal insect food of the western chipping sparrow. *Amer. Midland Nat.* 30: 783-785. Nov. 1943. 410 M58
- 6202 KRISHNASWAMY, B., and SESHADRI, T. R. The use of fish *Haplochilus panchax*, as test animals for the study of insecticides. *Indian Acad. Sci. Proc. Sect. A* 16: 231-235. Sept. 1942. 513 In25
- 6203 LITTLE, E. L., JR. Common insects on pinyon (*Pinus edulis*). *N. Y. Ent. Soc. Jour.* 51: 239-252. Dec. 1943. 420 N48J
- 6204 MACKAY, J. W. Grubs in Norway spruce cones. *Scot. Forestry Jour.* 57: 54. Aug. 1943. 99.9 R81T
- Larvae of *Laspeyresia strobilella*, *Megastigmus spermotrophus*.
- 6205 MARKWOOD, L. N. Insecticides for post-war markets. *U. S. Dept. Com. Dom. Com.* 31(25): 7-8, 21. Dec. 1943. 157.54 D713
- 6206 MARTIN, J. T. The preparation of a standard pyrethrum extract in heavy mineral oil, with observations on the relative toxicities of the pyrethrins in oil and aqueous media. *Ann. Appl. Biol.* 30: 293-300. Nov. 1943. 442.8 An72
- 6207 MARTIN, W. H. New insecticide holds promise. *N. J. Farm and Garden* 14(12): 20. Dec. 1943. 6 G162
- Notes on tests with dichloro-diphenyl-trichloro-ethane (Gesarol).
- 6208 MUNGOMERY, R. W. Report of the Division of Entomology and Pathology. *Queensland Bur. Sugar Expt. Stas. Ann. Rpt.* 43: 18-19. 1943. 65.9 Q3
- 6209 NORTON, L. B. Rotenone in the yam bean (*Pachyrhizus* [i.e. *Pachyrhizus*] *erosus*). *Amer. Chem. Soc. Jour.* 65: 2259-2260. Nov. 1943. 381 Am33J
- 6210 OTERO, A. R. Informe preliminar sobre insectos y enfermedades del arroz en Cuba. *Rev. de Agr. [Cuba]* 26(23): 37-57. Sept./Oct. 1943. 8 Ag88Re
- 6211 PARKIN, E. A., and GREEN, A. A. A film technique for the biological evaluation of pyrethrum-in-oil insecticides for use against stored product insects in warehouses. *Ann. Appl. Biol.* 30: 279-292. Nov. 1943. 442.8 An72
- 6212 PARKS, T. H., and ALLISON, C. C. Fruit growers who set the pace. *Amer. Fruit Grower* 63(12): 9, 16. Dec. 1943. 80 G85
- Check-up system on efficiency of insect and disease control in Ohio orchards.
- 6213 RAMACHANDRA RAO, Y. Agricultural entomology. *Indian Farming* 4: 204-205. Apr. 1943. 22 In283
- 6214 REGO, C. DO V. Indicações sobre o combate químico às doenças e pragas da lavoura. *Brazil. Min. da Agr. Div. de Defesa Sanit. Veg. Pub.* 18, 144 p. Rio de Janeiro, 1943. 464.9 B73
- 6215 \*RUSSO, GIUSEPPE. Animal parasites of cotton. *Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 16: 149M-153M. Nov. 1942.
- Cotton pests in Italy and their control.
- 6216 SMITH, J. H. Insect pests of cabbages and cauliflowers. *Queensland Agr. Jour.* 57: 217-225. Oct. 1943. 23 Q33
- 6217 TATTERSFIELD, F., and POTTER, C. Biological methods of determining the insecticidal values of pyrethrum preparations (particularly extracts in heavy oil). *Ann. Appl. Biol.* 30: 259-279. Nov. 1943. 442.8 An72



- 6218 THOMSSSEN, E. G., and DONER, M. H. Live-stock insect control. A study of insects which attack livestock and means for their practical control. Part II. Soap 19(12): 131, 133, 135, 137, 139, 141. Dec. 1943. 307.8 Sol2
- 6219 TOMALIN, T. E. Winter spraying is worth while. Pop. Gard. 45: 335. Dec. 11, 1943. 80 G1622
- 6220 \*\*VENTURI, FILIPPO. Le fumigazioni cianidriche alle piante da vivaio. R. Staz. di Ent. Agr. Nota Prat. 15. 5 p. Firenze, 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 132M. Sept. 1942.
- 6221 "WARWICK." Approvals scheme for insecticides, etc. Fert., Feed. Stuffs and Farm Supplies Jour. 29: 527-528. Nov. 24, 1943. 57.8 F413
- 6222 WILCOMB, HOWARD. Citrus pest control. Calif. Cult. 90: 599, 606-607. Nov. 27, 1943. 6 C12
- 6223 \*\*WILSON, H. T. H., and ELLIS-JONES, D. W. A case of acute dermatitis occurring after handling pyrethrum powder, with treatment. East African Med. Jour. 20: 89-90. Mar. 1943.  
Abs. in Trop. Dis. Bul. 40: 723. Sept. 1943. 448.8 T752
- 6224 WILSON, K. F. Current trends in insecticides. Calif. Hort. Soc. Jour. 4: 150-151. Oct. 1943. 81 C1293
- 6225 WING, A. S. The insect battle-front. Nature Mag. 37(1): 36-37, 48. Jan. 1944. 409.6 N214
- Discussion of insecticide supplies.

## APICULTURE AND APIS MELLIFERA

- 6226 \*AHLBORN. Völker mit schwarmgedanken als pflegevölker. Preuss. Bienen Ztg. 88: 81-82. Nov. 1942.
- 6227 APICULTURA. Inconvenientes de la enjambrazon. Rincón Campesina [Havana] 3(35/36): 37, 44. Oct./Nov. 1943. 8 R47
- 6228 BAINES, K. E. Details of home-made extractor. West. Canada Beekeeper 6(3): 7, 8. Mar. 1943. 424.8 W525
- 6229 BALLEYDIER, J. N. Caucasian bees in town. Gleanings Bee Cult. 72: 17. Jan. 1944. 424.8 G47
- 6230 \*BAY, MARIE. Bienen als himbeerdiebe! Preuss. Bienen Ztg. 87: 35. July 1942.
- 6231 \*BORCHERT, A. Ist die Honigbiene (Apis mellifica [i.e. mellifera, l.] ein Haustier? Berlin. u. München. Tierärztl. Wchnschr. 1942: 255-257. Aug. 21, 1942.
- 6232 BRAUN, ERDMAN. Supersedure of queens in package bees. West. Canada Beekeeper 6(10): 12; (11): 6-7, 11-12; (12): 8-9. Oct., Nov., Dec. 1943. 424.8 W525
- 6233 BRIER, J. H. More bee genetics. Beekeepers' Rec. 61: 101-102. Nov. 1943. 424.8 B398
- 6234 BUTLER, C. G. Second adult bee disease survey, 1943-1944. Bee World 24: 93-94. Dec. 1943. 424.8 B399
- 6235 CAMPBELL, MRS. WALLACE. I do like bees! Gard. Club Amer. Bul. 18(Ser. 8), p. 14-15. Dec. 1943. 90.32 G16
- 6236 CANE, W. Races of bees; a comparison. Austral. Bee Jour. 24: 117. Sept. 1943. 424.8 V66
- 6237 \*CARIUS, H. Wie ich meine Bienen im lokal überwintere. Preuss. Bienen Ztg. 88: 82-83. Nov. 1942.
- 6238 CARTER, G. A. Sterilisation of super combs. Bee World 24: 92-93. Dec. 1943. 424.8 B399  
Against American foulbrood.
- 6239 CLARIDGE, W. I. Beekeeping in the Bahamas, B. W. I. Gleanings Bee Cult. 72: 5. Jan. 1944. 424.8 G47
- 6240 DEYELL, M. J. Simple method of rearing queens and requeening. Gleanings Bee Cult. 72: 12-13. Jan. 1944. 424.8 G47
- 6241 \*DITIÄKIN, F. Bol'she vnimaniya sovkhonomu pchelovodstvu [More attention to state farm bee-keeping]. Sovkhoznoe Proizvodstvo 2(3/4): 23-24. Mar./Apr. 1943.
- 6242 \*DITTES, HUGO. Arbeitsparende Bienen-zucht. Preuss. Bienen Ztg. 88: 67-69. Oct. 1942.
- 6243 \*DITTES, HUGO. Mottensichere aufbewahrung der waben. Preuss. Bienen Ztg. 88: 85-86. Nov. 1942.
- 6244 \*DITTES, HUGO. Pflanzt haus- und hofbaume! Preuss. Bienen Ztg. 87: 56-57. Sept. 1942.  
Advice on providing bee-pasture.
- 6245 \*DITTES, HUGO. Räuberei am Bienenstand. Preuss. Bienen Ztg. 87: 47. Aug. 1942.  
Discusses manipulations to prevent robbing.
- 6246 \*DITTES, HUGO. Verlustlose Ueberwinterung der Bienen. Preuss. Bienen Ztg. 88: 98. Dec. 1942.
- 6247 \*DITTES, HUGO. Der wabenbock ist unentbehrlich! Preuss. Bienen Ztg. 87: 48. Aug. 1942.  
Describes a frame for holding combs during manipulations.
- 6248 \*DÖHRING, ERDM. Der schwerbeschädigte und der bien! Preuss. Bienen Ztg. 88: 96-97. Dec. 1942.  
A cripple tells how he keeps bees for recreation.
- 6249 DYE, DEWEY. A lawyer looks at law and bees. Fla. Grower 51(12): 10, 16. Dec. 1943. 80 F6622
- 6250 ECKERT, J. E. The beekeeping industry and insecticides. Gleanings Bee Cult. 72: 1-4. Jan. 1944. 424.8 G47
- 6251 FARRAR, C. L. Nosema disease. Gleanings Bee Cult. 72: 8-9, 35. Jan. 1944. 424.8 G47
- 6252 \*FIEDLER, SIEGFRIED. Vom wirklichen Bienenparadies im sogenannten "Sowjet-Paradies." Preuss. Bienen Ztg. 88: 64. Oct. 1942.
- 6253 GOODACRE, W. A. The care of surplus combs. New Zeal. Beekeeper 5(4): 18-19. Oct. 20, 1943. 424.8 N483
- 6254 GOODACRE, W. A. The characteristics of various races of bees [Apis mellifera]. Agr. Gaz. N. S. Wales 54: 517-520. Nov. 1, 1943. 23 N472
- 6255 GOODACRE, W. A. Shaking bees from combs; a new method. New Zeal. Beekeeper 5(4): 6. Oct. 20, 1943. 424.8 N483
- 6256 GRAHAM, R. M. Sterilisation of super combs. Bee Craft 25: 97. Dec. 1943. 424.8 B3925  
Against American foulbrood.
- 6257 \*GUSE, GUSTAV. Mein einschlagegerät für rähmentrageohren. Preuss. Bienen Ztg. 87: 22-23. June 1942.
- 6258 \*HARNEY. Die 1-1/2-kilometer-grenze. Preuss. Bienen Ztg. 88: 66-67. Oct. 1942.
- 6259 HERRON, W. T. Swarm control. New Zeal. Beekeeper 5(4): 7, 9. Oct. 20, 1943. 424.8 N483
- 6260 KENNERLY, A. B. Save wax for victory. Farm and Ranch 62(12): 19. Dec. 1943. 6 T31  
Discusses control of Galleria mellonella.
- 6261 KINSLEY, C. H. California amends its inspection law. Amer. Bee Jour. 84: 14. Jan. 1944. 424.8 Am3
- 6262 KRAMER, C. O. A. A hobby that pays. Gleanings Bee Cult. 72: 14. Jan. 1944. 424.8 G47  
Itemized account showing income from a colony of bees.
- 6263 \*LUDWIG, AUGUST. Mein sonnenwachs-schmelzer. Preuss. Bienen Ztg. 88: 71-74. Oct. 1942.
- 6264 \*LUDWIG, AUGUST. Ueber das Bienenwachs, seine gewinnung, behandlung und bewirtschaftung. Preuss. Bienen Ztg. 86: 147-150. Jan. 1942.  
Beeswax, its production, treatment, and management.



- 6265 \*LUKAT, G. Schwärmerei 1942. Preuss. Bienen Ztg. 88: 94-96. Dec. 1942.
- 6266 LUNDIE, A. E. The small hive beetle, *Aethina tumida*. So. Africa Dept. Agr. and Forestry. Sci. Bul. 220 (Ent. Ser. No. 3), 30 p. Pretoria, 1940. 24 So84S
- The larvae, which feed on honey and pollen, are most troublesome in weak bee colonies and in stored combs. Combs in storage can be fumigated with carbon bisulfide, 1 ounce to 3 Langstroth hives. Slightly infested combs can be washed with water and returned to bees to clean. The bees have no difficulty in removing beetle larvae from the combs, although they seldom succeed in driving out adults. Weak colonies should be strengthened.
- 6267 LYLE, N. I. Shallow frame comb honey production. Equipment; selection and preparation of colonies. Amer. Bee Jour. 84: 16-17. Jan. 1944. 424.8 Am3
- 6268 MARZORATI, OVIDIO. Enjambrazón y reinas. Agrario [Santiago, Chile, 8(322): 7. Aug. 31, 1943. 9.3 Ag85
- 6269 MEDICI, MIGUEL. Como se instala un colmenar. Pampa Argentina 27(194): 6. Oct. 1943. 9 P19
- 6270 MEDICI, MIGUEL. Referencias sintéticas sobre cría de reinas [*Apis mellifera*]. Mundo Avícola 6(68): 39, 44, 46. Oct. 1943. 47.8 M92
- Contents: Método Perret-Maisonneuve; Método de Doolittle.
- 6271 \*MENTZEN. Bienen als himbeerdiebe. Preuss. Bienen Ztg. 86: 162-163. Feb. 1942.
- 6272 MILNE, P. S. Re immunity from foul brood. Brit. Bee Jour. 71: 295-296. Dec. 2, 1943. 424.8 B77
- Refers to American foulbrood.
- 6273 MILNE, P. S. The spread of American foul brood; a diagrammatic representation. Brit. Bee Jour. 71: 298-300. Dec. 2, 1943. 424.8 B77
- 6274 MOLINO, VICENTE. Condiciones de la internación. Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr. 11: 134-136. Apr./May/June 1943. 9 M52B
- 6275 MOULD, JOHN. Heather honey presses. Bee Craft 25: 98. Dec. 1943. 424.8 B3925
- 6276 \*MÜSSE. 50 Jahre Ortsfachgruppe imker Rosenberg. Preuss. Bienen Ztg. 88: 83-84. Nov. 1942.
- 6277 PARKER, R. W. Re diseases of bees. Brit. Bee Jour. 71: 296-297. Dec. 2, 1943. 424.8 B77
- 6278 PHILLIPS, E. F. Interest in Caucasian bees increasing. Gleanings Bee Cult. 72: 15. Jan. 1944. 424.8 G47
- 6279 \*PIETZNER. Das Versicherungswesen der Reichsfachgr. imker. Preuss. Bienen Ztg. 86: 170-173. Mar. 1942.
- 6280 QUINN, D. C. Ripening nectar. Bee Craft 25: 98. Dec. 1943. 424.8 B3925
- 6281 RAHMAN, K. A. Hill bees [*Apis* spp.] for the plains. Indian Farming 4: 222. Apr. 1943. 22 In283
- 6282 RANSOM, R. M. Laying workers and requeening. Bee Craft 25: 93. Dec. 1943. 424.8 B3925
- 6283 \*REHS, CARL. Zu spät! Preuss. Bienen Ztg. 88: 84-85. Nov. 1942.
- 6284 RUSHING, H. L. Stop box hive destruction. Beekeepers' Item 27: 380-381. Dec. 1943. 424.8 B397
- 6285 \*SCHMIDT, BRUNO. Vom farbensen der bienen. Preuss. Bienen Ztg. 88: 93-94. Dec. 1942.
- 6286 \*SCHWARZ, ARTUR. Denen, die es angeht, zum 1. April. Preuss. Bienen Ztg. 87: 8. Apr./May 1942.
- Account of a swarm which went to a neighboring beekeeper and returned the next year, with the same queen, to the original owner.
- 6287 SECHRIST, E. L. Camphorated gasoline. Amer. Bee Jour. 84: 13. Jan. 1944. 424.8 Am3
- Used when introducing queens and uniting colonies.
- 6288 SPILLER, JOHN. Dancing bees. Bee World 24: 90. Dec. 1943. 424.8 B399
- 6289 STARKEY, J. E. Experiences of a bee inspector. Beekeepers' Mag. 6(5): 13. Dec. 1943. 424.8 M58
- 6290 TEASLEY, C. M. Beekeeping in the Army. Gleanings Bee Cult. 72: 6-7, 35. Jan. 1944. 424.8 G47
- 6291 WEDMORE, E. B. Queens mating twice. Bee Craft 25: 92. Dec. 1943. 424.8 B3925
- 6292 WHEELDON, F. W. Bee paralysis - a challenge. Brit. Bee Jour. 71: 290. Nov. 25, 1943. 424.8 B77
- 6293 WHITEHEAD, S. B. The swarming of the bees. Field 182: 622. Dec. 11, 1943. 10 F45
- 6294 WHITEHEAD, S. B. When spring comes to the hive. Field 182: 570. Nov. 27, 1943. 10 F45
- 6295 WINTER, T. S. Enemies of bees. New Zealand Beekeeper 5(4): 5-6. Oct. 20, 1943. 424.8 N483
- Refers to wax moths, *Galleria mellonella* and *Achroia grisella*.
- See also Honey and Beeswax in Agricultural Products section.
- ARACHNIDA, MYRIAPODA, ETC.
- 6296 ANIGSTEIN, LUDWIK, and BADER, M. N. Investigations on rickettsial diseases in Texas. Tex. Rpts. Biol. and Med. 1: 105-140. Summer 1943. Natl. Inst. Health Libr.
- Contents: Part I. Epidemiological role of ticks [*Rhipicephalus sanguineus*, *Amblyomma americanum*], common to the Gulf coast in relation to local spotted fever, p. 105-116; Part II. Experimental and epidemiological studies on an outbreak of spotted fever in the Gulf coast.
- Abs. in Squibb Abs. Bul. 16: A-1749. Nov. 17, 1943. 396.8 Sq4
- 6297 ATTEMS, C. G. Von der gattung Gervaisia [Diplopoda]. Zool. Anz. 143: 76-89. July 31, 1943. 410 Z7
- 6298 BABCOCK, O. G. Poultry mites [*Dermanyssus gallinae*] and measures for their control. U. S. Egg & Poultry Mag. 49: 514-515. Nov. 1943. 286.85 Eg3
- Also refers to *Liponyssus bursa*, *L. sylviarum*, and *Cnemidocoptes gallinae*.
- 6299 BASU, B. C. Ticks - carriers of disease. Indian Farming 4: 192-193. Apr. 1943. 22 In283
- 6300 BROOMHEAD, W. W. Ridding fowls of mites. Poultry [London] 93: 264. Oct. 26, 1943. 47.8 P869
- 6301 BUENO, R. DE C. O carrapato das galinhas [*Argas miniatus*]; perigoso hospede dos galinheiros. Rev. dos Criadores 14(13): 65-67. Sept. 1943. 43.8 R32
- 6302 CHAMBERLIN, R. V. Some records and descriptions of American diplopods. Wash. Biol. Soc. Proc. 56: 143-151. Dec. 8, 1943. 500 W272
- 6303 CHICKERING, A. M. Twenty-one new species of *Diploena* (Theridiidae) from Panama. Amer. Micros. Soc. Trans. 62: 329-378. Oct. 1943. 440.9 Am33
- 6304 A CONSTRUÇÃO de banheiros carrapaticidas. Rev. dos Criadores 14(13): 35-36. Sept. 1943. 43.8 R32
- 6305 CRANE, JOCELYN. Spiders of the families Lyssomanidae and Salticidae (Magoninae) from British Guiana and Venezuela. Zoologica [New York] 28: 125-138. Dec. 6, 1943. 410 Z722
- New spp. in: *Lyssomanes*; *Chinoscopus*; *Acragas*; *Cobanus*; *Hypasus* 2; *Encolpius*; *Mago*.



- 6306 DAVIS, G. E. Experimental transmission of the rickettsiae of the spotted fevers of Brazil, Colombia, and the United States by the argasid tick *Ornithodoros nicolleti*. U. S. Pub. Health Serv. Rpts. 58: 1742-1744. Nov. 26, 1943. 151.65 P96
- 6307 DAVIS, G. E. Studies on the biology of the argasid tick, *Ornithodoros nicolleti* Mooser. Jour. Parasitol. 29: 393-395. Dec. 1943. 448.8 J824
- 6308 DUMBLETON, L. J. A new tick *Aponomma sphenodonti* from the tuatara (*Sphenodon punctatus*). New Zeal. Jour. Sci. and Technol. 24: 185B-190B. Jan. 1943. 514 M48
- 6309 \*GRUZDEVA, N. Developmental cycle of *Ixodes persulcatus*, transmitter of the tick encephalitis in the Maritime Province, Far East of the USSR. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 38: 51-53. 1943.  
Text in English.
- 6310 HUNGERFORD, H. B. The tropical rat mite *Liponyseus bacoti*, in Kansas. Kans. Ent. Soc. Jour. 16:154. Oct. 1943. 420 K13
- 6311 JOSHI, B. B. The tampa ticks *Ornithodoros savignyi*, *Argas miniatus*, of Marwar. Indian Farming 4: 141-142. Mar. 1943. 22 In283
- 6312 KASTON, B. J. Supplementary notes on family names in the order Araneae. Amer. Midland Nat. 30: 765-768. Nov. 1943. 410 M58
- 6313 \*LINDEMUTH. Zur bekämpfung der Johannisbeergallmilbe *Eriophyes ribis*. Kranke Pflanze 19: 60-61. May/June 1942.
- 6314 LUNN, H. F. The regimental treatment of scabies. Roy. Army Med. Corps. Jour. 81: 247-249. Nov. 1943. 448.9 R81  
Treatment of scabies with derris root lotion and sulfur lather was not successful.
- 6315 MARSHALL, RUTH. Hydracarina from California. Amer. Micros. Soc. Trans. 62: 306-324, 404-415. July, Oct. 1943. 440.9 Am33  
New species in: *Atractides* 10; *Calonyx*; *Testudacarus* 2; *Lebertia* 2; *Hygrobatas*. New var.: *Megapus nodipalpis americanus*.
- 6316 MILNE, A. The comparison of sheep-tick populations (*Ixodes ricinus* L.). Ann. Appl. Biol. 30: 240-250. Nov. 1943. 442.8 An72
- 6317 \*MINNING, W., and ZUMPT, F. Medizinisch wichtige spinnentiere. Merkblatt 1. Skorpione Nordafrikas. Deut. Tropenmed. Ztschr. 46: 25-32. Jan. 1, 1942.
- 6318 NEWELL, I. M. A new sironid *Neosiro kamiakensis* n. g. and n. sp., from North America (Opiliones, Cyphophthalmi, Sironidae). Amer. Micros. Soc. Trans. 62: 416-422. Oct. 1943. 440.9 Am33
- 6319 READING, BOYD, and KLINT, H. A. Clinical observations on spotted fever in the Gulf coast area of Texas. Tex. Rpts. Biol. and Med. 1: 97-104. Summer 1943. Natl. Inst. Health Libr.  
Case histories. Authors speculate on possibility that *Amblyomma americanum* is vector.  
Abs. in Squibb Abs. Bul. 16: A-1749. Nov. 17, 1943. 396.8 Sq4
- 6320 \*SERGENT, ETIENNE. Sur un scorpion du Sud marocain (*Hottentota gentili* Pley). Inst. Pasteur d'Algérie. Arch. 21: 83-88. June 1943.
- 6321 THE SUPPRESSION of scabies. Med. Off. 70: 163. Nov. 20, 1943. 448.8 M462  
Transmission of *Sarcoptes scabiei* by fomites believed rare.
- 6322 TEMBE, V. B., and AWATI, P. R. External morphology and anatomy of scorpion (*Buthus tamulus* Fabr.). (To be cont.) Bombay. Univ. Jour. Sect. B. Biol. Sci. (n. s.) 11(3): 54-76. Nov. 1942. 513 B633
- 6323 TIEGS, O. W. A new species of *Pauropus* [*Pauropus silvaticus*] from Victoria. Melbourne Natl. Mus. Mem. 13: 151-156. Sept. 1943. 514 M484
- 6324 VAIL, E. L., and AUGUSTON, G. F. A new ectoparasite *Ewingella americana*, n. g. and sp. (Acarina: Cheyletidae) from domestic rabbits. Jour. Parasitol. 29: 419-421. Dec. 1943. 448.8 J824
- 6325 VERHOEFF, K. W. Über chilopoden der insel Korsika. Zool. Anz. 143: 1-20. July 15, 1943. 410 Z7
- 6326 WOMERSLEY, H. New species of *Geckobia* (Acarina, Pterygosomidae) from Australia and New Zealand. Roy. Soc. So. Austral. Trans. 65: 323-328. Dec. 19, 1941. 514 Ad3  
*G. gymnodactyli*, *G. haplodactyli*, *G. nautina*.
- 6327 WOMERSLEY, H. The red-legged earth-mite (Acarina, Penthalidae) of Australia. Roy. Soc. So. Austral. Trans. 65: 292-294. Dec. 19, 1941. 514 Ad3  
Includes *Penthalodes australicus*, n. sp.
- 6328 \*ZUMPT, F. Medizinisch wichtige spinnentiere. Merkblatt 2. *Ornithodoros moubata* Murray und andere rückfallfieberzecken. Deut. Tropenmed. Ztschr. 46: 321-328. June 15, 1942.

## COLEOPTERA

- 6329 ALEXANDER, P., and BARTON, D. H. R. The excretion of ethylquinone by the flour beetle *Tribolium castaneum*. Biochem. Jour. 37: 463-465. Oct. 1943. 382 B52
- 6330 \*ARTROPODES da Madeira segundo as investigações do Sr. Prof. Dr. O. Lundblad. (Cont.) Bróteria 12: 29-36, 128-134. Feb., Aug. 1943.  
Continues the listing of Coleoptera.
- 6331 BARBER, H. G. The *Halobates* [*Halobates sericeus*, *H. micans*, *H. splendens*]. Carnegie Inst. Wash. Pub. 555, p. 77-84. Washington, 1943. 442 C212
- 6332 BLAKE, D. H. The generic position of *Hypolampsis pilosa* (Illiger) and some related new species (Coleoptera: Halticidae). Wash. Ent. Soc. Proc. 45: 207-221. Dec. 1943. 420 W27  
The genus *Distigmoptera* is erected, to which is transferred *Hypolampsis pilosa*, and 9 new species are described.
- 6333 BRYANT, G. E. New species of African *Cryptocephalus* (Chrysomelidae, Col.). Ann. and Mag. Nat. Hist. (Ser. 11) 10: 689-698. Oct. 1943. 410 An77
- 6334 BRYANT, G. E. New species of Jamaican *Cryptocephalus* (Col., Chrysomelidae). Ann. and Mag. Nat. Hist. (Ser. 11) 10: 601-607. Sept. 1943. 410 An77
- 6335 CHAKRABORTI, S. Preservation of books affected with drug-store beetle *Gastrallus indicus*, and mildew. Sci. and Cult. 8: 141. Sept. 1942. 475 Sci24
- 6336 \*THE COLORADO beetle (*Leptinotarsa decemlineata*) in 1941. Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 49M. Apr. 1942.  
Communication from the Phytopathological Service of the Netherlands, Wageningen.
- 6337 \*ENE, I. M. Experimentalluntersuchungen über das Verhalten des maikafereengerlings (*Melolontha spec.*). Ztschr. f. Angew. Ent. 29: 529-600. 1942.  
A study of the seasonal migrations of the larvae in the soil. - Abs. in Rev. Appl. Ent., A 31: 450-451. Nov. 1943. 421 R325
- 6338 \*FEYTAUD, JEAN. Observations on the Colorado beetle (*Leptinotarsa decemlineata*) made in the Bordeaux region in 1941. Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 85M-86M. June 1942.



- 6339 GLEN, ROBERT, KING, K. M., and ARNASON, A. F. The identification of wireworms of economic importance in Canada. *Canad. Jour. Res. Sect. D, Zool. Sci.* 21: 358-387. Nov. 1943. Ref., p. 376-378. 470 C16CD
- 6340 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Raspberry beetle [*Byturus tomentosus*]. *Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet* 164, 3 p. London, 1943. 10 G79La
- 6341 \*HANF, M. 5 Jahre grosskampf gegen den kornkäfer [*Sitophilus granarius*]. *Kranke Pflanze* 19: 52-56. May/June 1942.
- 6342 HANSON, H. S. The control of bark beetles and weevils in coniferous forests in Britain. *Scot. Forestry Jour.* 57: 19-45. Aug. 1943. 99.9 R81T
- 6343 HENDERSON, F. Y. The depletion of starch from the sapwood of the ash (*Fraxinus excelsior*) and its relation to attack by powder-post beetles (*Lyctus* spp.). *Ann. Appl. Biol.* 30: 201-208. Nov. 1943. 442.8 An72
- Appendix by E. W. Bennison, p. 207.
- 6344 \*\*HERING, E. M. Neotropische buprestidenminen. *Arb. über Physiol. u. Angew. Ent.* 9: 241-249. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 63M. Apr. 1943.
- 6345 \*INSTRUÇÕES sobre a maneira de combater o insecto "bóstricos" [*Ips sexdentatus*], que desde ha tempos vem atacando os nossos pinhais. *Assoc. Cent. da Agr. Portug. Bol.* 35: 68-71. July/Dec. 1942.
- Issued by Direcção Geral dos Serviços Florestais.
- 6346 \*\*JANECEK, MARIA. *Cybocephalus politus* Germ., ein feind der San José-schildlaus [*Aspidiotus perniciosus*]. *Arb. über Physiol. u. Angew. Ent.* 9: 237-241. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 63M. Apr. 1943.
- 6347 \*KLETT, Der raps schoset - raps glanzkäfer-gefahr! [*Meligethes aeneus*]. *Landesbauernschaft Württemb. Wchnbl.* 110: 273. Apr. 24, 1943.
- 6348 \*\*KÖRTING, A. Über die lebensweise des gefleckten kohltriebrüsslers (*Ceutorrhynchus* i.e. *Ceutorrhynchus quadridens* Panz.) und seine bedeutung als ölfruchtschädling. *Arb. über Physiol. u. Angew. Ent.* 9: 207-237. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 64M. Apr. 1943.
- 6349 LA RIVERS, IRA. A list of the Eleodes of Nevada, with the description of a new subspecies [*E. extricata frigida*]. (*Coleoptera: Tenebrionidae*). *Jour. Ent. and Zool.* 35: 53-61. Dec. 1943. 421 P77
- 6350 LYLE, CLAY. Protection of beans, peas from weevils. *Miss. Agr. Expt. Sta. Miss. Farm Res.* 6(11): 1. Nov. 1943. 100 M69M1
- 6351 MARSHALL, G. A. K. On the multistriate *Embrithini* (Col., Curcul.). *Ann. and Mag. Nat. Hist.* (Ser. 11) 10: 607-616. Sept. 1943. 410 An77
- New spp. and forms in: *Procasticus* n. g.; *Adorhabdatus* 2; *Pternogymnus* n. g.; *Hypertmetus* n. g.
- 6352 \*MAYNÉ, R. A review of the Colorado beetle [*Leptinotarsa decemlineata*], situation in 1941 in Belgium. *Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 16: 1M. Jan. 1942.
- 6353 \*\*MELIS, ANTONIO. L'apion del carciofo, *Apion* (*Ceratapion*) *damryi* Desbr. *R. Staz. di Ent. Agr. Nota Prat.* 13. 8 p. Firenze, 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 129M. Sept. 1942.
- 6354 \*MÜLLER, K. R. Benutzt die fanggeräte gegen den raps glanzkäfer [*Meligethes aeneus*]. *Landesbauernschaft Sachsen-Anhalt Wchnbl.* 101: 240. Apr. 24, 1943.
- 6355 \*NOLL, J. Erdflöhschaden und erdfloh bekämpfung [*Phyllotreta* spp.]. *Kranke Pflanze* 19: 67-70. July/Aug. 1942.
- 6356 \*PROGRESS of the Colorado beetle, *Leptinotarsa decemlineata*, in the country. Situation on July, 1942. *Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 16: 154M-156M. Nov. 1942.
- Communication from the Federal Experiment and Seed-testing Station, Lausanne (Mont Calme), Switzerland.
- 6357 RAJ, J. S. On the external morphology of the larva of the glow-worm, *Diaphanes* sp. (Lampy: Col.). *Current Sci. [India]* 12: 276-278. Oct. 1943. 475 Sci23
- 6358 SANDERSON, M. W. A new subfamily of Staphylinidae, the Pulicomorphinae (*Coleoptera*). *Kans. Ent. Soc. Jour.* 16: 134-142. Oct. 1943. 420 K13
- Tribe Publicomorphini raised to rank of sfam. *Beyeria pulex*, n. sp.
- 6359 \*\*TOMASZEWSKI, W., and SY, M. Kornkäfer-bekämpfung [*Sitophilus granarius*] mit phosphorwasserstoff bei niedrigen temperaturen. *Arb. über Physiol. u. Angew. Ent.* 9: 169-174. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 61M. Feb. 1943.
- 6360 \*\*VENTURI, FILIPPO. *La Lema melanopa* L. (*Coleoptera, Chrysomelidae*). *Redia* 28: 11-88. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 47M. Mar. 1943.
- 6361 \*WAHLEN, F. T. Colorado beetle [*Leptinotarsa decemlineata*], situation in 1941 in Switzerland. *Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 16: 102M-106M. July/Aug. 1942.

## DIPTERA

- 6362 ALEXANDER, C. P. A new crane-fly [*Gynoplistia* (*Paralimnophila*) *wilsoniana*], from Victoria (*Tipulidae, Diptera*). *Victorian Nat.* 60: 89-91. Oct. 1943. 410 V66
- 6363 ALEXANDER, C. P. Records and descriptions of North American crane-flies (*Diptera*) Part IV. *Tipuloidea of the Yellowstone National Park.* *Amer. Midland Nat.* 30: 718-764. Nov. 1943. 410 M58
- New species in: *Tipula* 3; *Limonia* 2; *Polyangaeus*; *Limnophila* 2; *Pseudolimnophila*; *Pilaria*; *Gonomyia* 2; *Erioptera* 2; *Ormosia* 6; *Molophilus*; *Cryptolabis*. New form: *Limonia* n. ssp.
- 6364 ALEXANDER, C. P. Undescribed species of crane-flies from the western United States and Canada (*Dipt.: Tipulidae*). Part II. *Ent. News* 54: 253-258. Dec. 1943. 421 En88
- Limonia* (*Dicranomyia*) *linsdalei*, *Rhabdomastix* (*Sacandaga*) *trichophora*, *Cryptolabis* (C.) *pachyphallus*.
- 6365 \*\*AYROZA GALVÃO, A. L., and DAMASCENO, R. G. Sobre um novo anofelina da Ilha Marajó, *Anopheles* (*Nyssorhynchus*) *maraçoara* n. sp. (*Diptera, Culicidae*). *Folia Clin. et Biol. [São Paulo]* 14(2): 60-66. 1942.
- Abs. in *Biol. Abs.* 17: item 25657. Dec. 1943. 442.8 B526
- Same title in \*\*An. Paul. de Med. e Cirurg. 44: 424-427. 1942. Abs. in *Biol. Abs.* 17: item 22809. Nov. 1943.
- 6366 BEGG, MICHAEL, and HOGGEN, LANCELOT. Localization of chemoreceptivity in *Drosophila*. *Nature [London]* 152: 535. Nov. 6, 1943. 472 N21
- 6367 \*BENLLOCH, MIGUEL. Control measures for the larvae of *Chironomus* and *Ephydra* in rice-fields in Spain. *Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 17: 33M. Mar. 1943.
- 6368 \*BERG, R. L. Dominance of deleterious mutations in the populations of *Drosophila melanogaster* i. e. *ampelophila*. *Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.)* 36: 212. 1942.
- Text in English.



- 6369 \*BERG, R. L. Mutability as dependent on the degree of isolation of populations of *Drosophila melanogaster* [i.e. *ampelophila*]. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 36: 71-75. 1942.  
Text in English.
- 6370 \*BERG, R. L. Mutation rate in populations of *Drosophila melanogaster* [i.e. *ampelophila*] inhabiting boundary areas of the species distribution. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 36: 154-159. 1942.  
Text in English.
- 6371 \*BERG, R. L. On populations of *Drosophila melanogaster* [i.e. *ampelophila*] preserving different mutation frequencies when transferred to identical conditions. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 34: 202-206. 1942.  
Text in English.
- 6372 \*BERG, R. L. The rôle of isolation in the evolution of dominance in natural populations of *Drosophila melanogaster* [i.e. *ampelophila*]. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 36: 284-289. 1942.  
Text in English.
- 6373 BETTLEY, F. R. Desert sore: a preliminary study. Roy. Army Med. Corps. Jour. 81: 107-112. Sept. 1943. 448.9 R81  
Possible role of insects (biting flies) in transmission.
- 6374 \*\*BOLTON, J. The prevention of malaria among the military forces in Puerto Rico. Asoc. Med. de Puerto Rico, Bol. 35(3): 89-96. Mar. 1943.  
Abs. in Bul. War Med. 4: 94. Oct. 1943. 448.8 B872
- 6375 BRICEÑO-IRAGORRY, L. Nota sobre simúlidos del estado Anzoátegui, con citación de una especie [*Simulium sanguineum*], nueva para el país. Clin. "Luis Razetti" Lab. Bol. 4: 204-206. June 1943. 448.9 C61
- 6376 \*BRUMPT, E., and TY, DAO VAN. Distribution des biotypes d'*Anopheles maculipennis* en France. Ann. de Parasitol. Humaine et Compar. 19: 69-73. 1942.
- 6377 \*BRUMPT, E., and BRUMPT, L. C. Étude épidémiologique concernant l'apparition de la verruga du Perou en Colombie. Ann. de Parasitol. Humaine et Compar. 9: 1-50. Refs. 1942.  
*Flebotomus* spp. are vectors for this bartonellosis.
- 6378 BURDICK, W. N. Notes on *Heteropogon vespoideus* Bigot and other Asilidae. Canad. Ent. 75: 199. Nov. 1943. 421 C16
- 6379 \*CÂMARA, A., and VASCONCELLOS, SARAH DE. Contribuição para o estudo genético das populações de "*Drosophila melanogaster*" [i.e. *ampelophila*] em Portugal. Broteria 12: 49-57. May 1, 1943.
- 6380 \*CÂMARA, A., and VASCONCELLOS, SARAH DE. O "crossing-over" nos machos da *Drosophila melanogaster* [i.e. *ampelophila*], induzido pelos raios X. Agron. Lusitana 3: 195-208. 1941. Ref., p. 206-208.
- 6381 CATSCH, A., and RADU, Gh. Über die abhängigkeit der röntgeninduzierten translokationsrate vom reifzustand der bestrahlten gameten bei *Drosophila melanogaster* [i.e. *ampelophila*]. Naturwissenschaften 31: 368-369. July 30, 1943. 474 N213
- 6382 CHANDLER, A. C. Additional records of human intestinal myiasis caused by *Eristalis*. Jour. Parasitol. 29: 425. Dec. 1943. 448.8 J824
- 6383 \*COLLIGNON, E. La campagne antipaludique le 1942 dans le Département d'Alger. Inst. Pasteur d'Algérie. Arch. 21: 55-64. June 1943.  
Includes control of *Anopheles maculipennis*.
- 6384 COUTINHO, J. O., and FARIAS, G. S. *Anopheles (Ayrozania) tibiamaculatus* (Neiva, 1906) - descrição do macho e criação de novo sub-genero (Diptera, Culicidae). Acad. Brasileira de Cien. An. 14: 343-347. Dec. 31, 1942. Natl. Mus. Libr.
- 6385 CUFF, R. L. Grub [*Hypoderma*] increase seen with rotenone cut. Coastal Cattleman 9(10): 25. Dec. 1943. 43.8 C63
- 6386 \*DESPORTES, C. Forcipomyia velox Winn. et *Sycorax silacea* Curtis, vecteurs d'*Icosiella neglecta* (Diesing) filaire commune de la grenouille verte [*Rana esculenta*]. Ann. de Parasitol. Humaine et Compar. 19: 53-68. 1942.
- 6387 DUARTE, A. J. Determinação do numero de estágios larvares da mosca da azeitona [*Dacus oleae*]. Agron. Lusitana 3: 93-102. 1941. 105.7 Ag8  
English summary.
- 6388 FROST, S. W. Three new species [*Agromyza subpusilla*, *A. phaseolunata*, *A. allia*] of Diptera related to *Agromyza pusilla* Meig. N. Y. Ent. Soc. Jour. 51: 253-263. Dec. 1943. 420 N48J
- 6389 GARNET, J. R. Swarming of "midges." Victorian Nat. 60: 95. Oct. 1943. 410 V66  
Observations on masses of dipterans (unidentified chironomid?) on branches of *Casuarina subporosa* in mid-winter.
- 6390 GOODHUE, L. D. "War on mosquitos." Pests 11(12): 21, 24-25. Dec. 1943. 449.8 Ex8  
A discussion of mosquitoes in relation to disease and an account of the aerosol method of control.
- 6391 GORDON, W. M., and PAGE, R. Z. The effect of winds of hurricane velocity on mosquito trapping results at Corpus Christi, Texas. Ent. News 54: 251. 252. Dec. 1943. 421 En88
- 6392 GRUB [*Hypoderma* spp.] can be ousted at saving of 50 million dollars a year. Kans. Farmer 80(23): 4. Dec. 11, 1943. 6 K13
- 6393 \*GRUENEWALDT, ROLF VON. Versuche zur bekämpfung der kohlflye [*Hylemya brassicae*]. Kranke Pflanze 19: 41-46. May/June 1942.
- 6394 GUERRA a las moscas. (To be cont.) Granja [Mexico], 11: 183-185. Oct. 1943. 15.5 G76  
*Musca domestica*, *Muscina stabulans*, *Stomoxys calcitrans*, *Sarcophaga*, *Lucilia*, *Cochliomyia*.
- 6395 HALL, J. A. Notes on the dogwood fruit fly, a race of *Rhagoletis pomonella* (Walsh). Canad. Ent. 75: 202. Nov. 1943. 421 C16  
The dogwood fruit fly "is a distinct biological race of *R. pomonella* which will not interbreed with the race from apple and hawthorne nor accept these fruits as hosts."
- 6396 \*HALLMANN. Beitrag zum pappataciefieber 1941 auf der Balkanhalbinsel. Deut. Tropenmed. Ztschr. 47: 64-68. Feb. 1, 1943.  
*Flebotomus*, or sand-fly fever.
- 6397 HODGEN, B. B. *Aedes aegypti*, Linnaeus, the yellow fever mosquito, in Oklahoma. Kans. Ent. Soc. Jour. 16: 154. Oct. 1943. 420 K13  
New distribution record.
- 6398 \*HÖNNINGSTAD, A. Hvorledes kan kalfluen best bekjæmpes. Resultater av 5 års forsøk ved Statens Forsøksgaard på Forus. [What is the best way of controlling cabbage flies [*Hylemya brassicae*]?]. Results of 5 years experiments at Forus Experimental Farm. Norsk Landbruk 9: 160-162. June 11, 1943.
- 6399 \*HOOF, L. VAN, HENRARD, C., and PEEL, E. Irrégularités de la transmission du Trypanosoma gambiense par *Glossina palpalis*. Rec. de Trav. de Sci. Méd. au Congo Belge 1942(1): 69-80.  
Abs. in Rev. Appl. Ent., B 31: 165. Aug. 1943. 421 R325B
- 6400 HULL, F. M. Some flies of the genus *Microdon* in the British Museum (Natural History). Ann. and Mag. Nat. Hist. (Ser. 11) 10: 702-720. Oct. 1943. 410 An77  
Describes 11 new species.
- 6401 \*\*JACK, R. W. The life economy of a tsetse fly [*Glossina morsitans*]. Rhodesia Sci. Assoc. Proc. 39: 43-60. 1942.  
Abs. in Trop. Dis. Bul. 40: 524. July 1943. 448.8 T752



- 6402 \*KIKUTH, WALTER. Experimentelle ergebnisse zur klinik und therapie der malaria. Deut. Med. Wchnschr. 68: 1024-1027. Oct. 16, 1942.  
Parasitic cycle in man and mosquito included.
- 6403 KNOWLTON, G. F., and MADSEN, D. E. Cattle grubs and heel flies *Hypoderma* spp. Utah Farmer 63(9): 21. Dec. 15, 1943. 6 D45
- 6404 LINDQUIST, A. W., and DEONIER, C. C. Seasonal abundance and distribution of larvae of the Clear Lake gnat *Chaoborus astictopus*. Kans. Ent. Soc. Jour. 16: 143-149. Oct. 1943. 420 K13
- 6405 LYLE, CLAY. Treatments listed to control cattle grubs *Hypoderma* spp. in winter. Miss. Agr. Expt. Sta. Miss. Farm Res. 6(11): 2. Nov. 1943. 100 M69M1
- 6406 \*\*MACAULAY, J. W. A tsetse fly *Glossina* spp., and trypanosomiasis survey in Bechuanaland 1940-1942. 68 p. Mafeking? 1942.  
Abs. in Rev. Appl. Ent., B, 31: 157. Aug. 1943. 421 R325B
- 6407 \*MARTELLI, G. M. Association between the larvae of the Diptera *Ceratitis capitata* and *Lonchaea splendida*. Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 65M-67M. May 1942.
- 6408 \*\*MELIS, ANTONIO. La questione antidiacica nell'attuale momento. Redia 28: 139-151. 1942.  
Control of *Dacus oleae*.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 45M Mar. 1943.
- 6409 \*MITSCHERLICH, E. Die Übertragung der kerato-conjunctivitis infectiosa des rindes durch fliegen und die tenazität von *Rickettsia conjunctivae* in der aussenwelt. Deut. Tropenmed. Ztschr. 47: 57-64. Feb. 1, 1943.  
*Musca domestica* and *Stomoxys calcitrans* as vectors.
- 6410 MOSQUITO transmission of encephalitis. Amer. Med. Assoc. Jour. 123: 1048-1049. Dec. 18, 1943. 448.9 Am37  
Editorial on work of Hammon and Reeves, Jour. Expt. Med. 78: 241. Oct. 1943.
- 6411 \*\*NOLL, J., ROESLER, R., and BENNER, J. Die drehherzmücke (*Contarinia nasturtii* Kieffer), ihre biologie und bekämpfung. Arb. über Physiol. u. Angew. Ent. 9: 1-44. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 163M. Nov. 1942.
- 6412 OLZSCHA, REINER. Mitteilung über das vorkommen von *Anopheles maculipennis* im Warthegau, mit angebe einer einfachen methode der blutfütterung von mücken bei ihrer haltung in einzelhaft. Zentbl. f. Bakt. etc., Abt. I, Originale 150: 215-217. June 15, 1943. 448.3 C33
- 6413 PAINTER, R. H. The hessian fly *Phytophaga destructor*, and Pawnee wheat. Mod. Miller 70(52): 27. Dec. 25, 1943. 298.8 M72
- 6414 \*\*PEARMAN, R. O., and BASEMAN, L. *Cochlicomyia americana* infestation in man. Case report. Ann. Surg. 117: 468-472. Mar. 1943.  
Noted in Trop. Dis. Bul. 40: 724. Sept. 1943. 448.8 T752
- 6415 PORTMAN, R. W. New mosquito records for Colorado. Kans. Ent. Soc. Jour. 16: 155. Oct. 1943. 420 K13  
Distribution records on *Aedes* spp., *Culex* spp., and *Culiseta* spp.
- 6416 PRATT, H. D. The identification of first stage larvae of Puerto Rican *Anopheles* (*Nyssorhynchus*) *albimanus*, A. (*Anopheles*) *grahamii*, A. (*Anopheles*) *vestitipennis*. U. S. Pub. Health Serv. Rpts. 58: 1715-1717. Nov. 19, 1943. 151.65 P96
- 6417 \*RAPOPORT, I. A. Geneticheskii analiz zavisimoi differentsiatsii v embriogeneze dvukrylykh [Genetic analysis of dependent differentiation in the embryogeny of Diptera]. Akad. Nauk S. S. S. R. Izv. Ser. Biol. (Acad. des Sci. U. R. S. S. Bul. Sér. Biol.) 1942, No. 4, p. 254-284.  
English summary, p. 283-284.  
[Part] 1. Transformation of derivatives of the mesothoracic imaginal disk.
- 6418 RAU, PHIL. Some robber flies *Asilidae*, and their prey. Canad. Ent. 75: 205. Nov. 1943. 421 C16
- 6419 RENDTORFF, R. C., and FRANCIS, THOMAS, JR. Survival of the Lansing strain of poliomyelitis virus in the common house fly, *Musca domestica* L. Jour. Infect. Dis. 73: 198-205. Nov./Dec. 1943. 448.8 J821
- 6420 ROTH, L. M. A key to the *Culex* (Diptera, Culicidae) of the southeastern United States, by male terminalia. Kans. Ent. Soc. Jour. 16: 117-133. Oct. 1943. 420 K13
- 6421 SHUTE, P. G. Successful transmission of human malaria with sporozoites which have not come into contact with the salivary glands of the insect host *Anopheles maculipennis*. Jour. Trop. Med. and Hyg. [London] 46: 57-58. Oct./Nov. 1943. 448.8 J827
- 6422 SMITH, L. G. Controlling cattle grubs *Hypoderma* spp. aids production. Washcoegg 21(8): 15. Dec. 1943. 47.8 W27
- 6423 STEWART, M. A. Ox warble *Hypoderma*, control. Calif. Cult. 90: 613. Nov. 27, 1943. 6 C12
- 6424 \*\*THOMSON, R. C. M. The control of *Anopheles minimus* by shade and related methods. Indian Med. Gaz. 77: 675. 1942.  
Noted in Cur. List Med. Lit. 5: column 732. Nov. 18, 1943. 241.71 C93
- 6425 TOLL, H. H. Poison for the blowfly. Fast. Rev. 53: 691-692. Oct. 16, 1943. 23 Au75
- 6426 \*ULRICH, HANS. Über den einfluss verschiedener ernährungsgrad bestimmender kulturbedingungen auf entwicklungsgeschwindigkeit, wachstum und nachkommenzahl der lebendgebärenden larven von *Oligarces paradoxus*. (Cecidom., Dipt.). Biol. Zentbl. 63: 109-142. Mar./Apr. 1943.
- 6427 \*VOGT, MARGUERITE. Zur kenntnis der larvalen und pupalen corpus allatum von *Calliphora*. Biol. Zentbl. 63: 56-71. Jan./Feb. 1943.
- 6428 \*\*WANSON, M. Sur la biologie des phlébotomes *Flebotomus* congolais. Rec. de Trav. de Sci. Med. au Congo Belge 1942(1): 23-43.  
Abs. in Rev. Appl. Ent., B 31: 164. Aug. 1943. 421 R325B
- 6429 \*WEYER, F. Medizinisch wichtige insekten. Merkblatt 12. Bestimmungsschlüssel für die *Anopheles*-weibchen und -larven in Europa, Nordafrika und Westasien. Deut. Tropenmed. Ztschr. 46: 441-456, 461-480. Sept. 1, 15, 1942.
- 6430 WIESMANN, R. Fly control in stables. Use of "Gesamol" or the new "DDT" in the control of stable flies *Stomoxys calcitrans*, *Musca domestica*, et al. Soap 19(12): 117, 119, 141, 143. Dec. 1943. 307.8 S012  
Translation by Carlo Zeimet of article in Anz. f. Schädlingek. 19: 5-8. 1943.
- 6431 WILLIAMS, F. X. Mosquitoes and some other noxious flies that occur in New Caledonia. Hawaiian Planters Rec. 47: 205-222. 1943. Ref., p. 221-222. 25 H311



6432 WILSON, D. B., and MELVILLE, A. R. The control of malaria. (To be cont.) East Africa Command, 1940-1943. Roy. Army Med. Corps. Jour. 81: 213-222. Nov. 1943. 448.9 R81

Control measures suggested in this part are: proper camp siting beyond flight range of Anopheles from natural breeding places; provision of adequate drainage; avoidance of anopheline breeding in rain-filled car tracks.

#### HEMIPTERA (HETEROPTERA AND HOMOPTERA)

6433 \*ARNOLDI, K. V. On the oecology and bioecology of Eurygaster integriceps when hibernating in the basin of the Kashka-Darja river. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 35: 184-186. 1942.

Text in English.

6434 \*BÖHME, W., and JANCKE, O. Beitrag zur embryonalentwicklung der winterer von aphiden. Ztschr. f. Angew. Ent. 29: 636-658. 1942.

The eggs of Lachnus rosae and Aphis pomi reach a stage of development by December which makes them as susceptible to control sprays as in the spring. - Abs. in Rev. Appl. Ent., A 31: 451. Nov. 1943. 421 R325

6435 \*CANIZO, JOSÉ DEL. Control of Aelia rostrata in Andalusia. Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 1M. Jan. 1943.

A 3-4 percent aqueous solution of sodium cyanide was used as a spray.

6436 \*\*CARIMINI, MARIO. La bianca-rossa degli agrumi (Chrysomphalus dictyospermi Morg.). R. Staz. di Ent. Agr. Nota Prat. 16. 8 p. Firenze, 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 126M. Sept. 1942.

6437 DAVIS, G. E. Further attempts to transmit Pasteurella tularensis by the bedbug (Cimex lectularius). Jour. Parasitol. 29: 395-396. Dec. 1943. 448.8 J824

6438 DELONG, D. M. A new genus (Ascius) and two new species of leafhoppers closely related to Flexamia (Homoptera, Cicadellidae). Ohio Jour. Sci. 43: 250-251. Nov. 1943. 410 Oh3

New spp. A. triangularis, A. latus.

6439 EBELING, WALTER, and LADUE, J. P. Field experiments with oil-toxicant sprays for red scale (Aonidiella aurantii). Calif. Citrog. 29: 32, 40, 52-53. Dec. 1943. 80 C125

6440 FELT, E. P. Aphids - those biological wonders; the amazing habits of one of our common plant pests, and how to deal with them. Home Gard. N. Y., 2(6): 33-35. Dec. 1943. 80 H756

6441 FERRIS, G. F. The genus Targionia Signoret and some of its allies (Quadraspidiotus; Rhizaspidiotus; (Homoptera: Coccoidea: Diaspididae). Microentomology 8: 82-111. Dec. 30, 1943. 421 M58

6442 \*\*FREY, W. Versuche zur bekämpfung der kohlwanze (Eurydema oleraceum L.) mit chemischen miteln. Arb. über Physiol. u. Angew. Ent. 9: 77-89. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 10M. Jan. 1943.

6443 \*\*FULMEK, L. Wirtsindex der aleyrodiden- und cocciden-parasiten. Ent. Beihefte aus Berlin-Dahlem 10: v-vi, 1-100. 1943.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 62M. Apr. 1943.

6444 FUNKHOUSER, W. D. Synonymy of the Membracidae of Formosa. N. Y. Ent. Soc. Jour. 51: 265-275. Dec. 1943. Ref., p. 273-275. 420 N48J

6445 HARRIS, H. M. Additions to the South Dakota list of Hemiptera. Kans. Ent. Soc. Jour. 16: 150-153. Oct. 1943. 420 K13

Records thirty additional species. Saldula severini, n. sp.

6446 HARRIS, H. M. Notes on some species of Aphelonotus (Hemiptera: Nabidae). Ent. News 54: 259-261. Dec. 1943. 421 En88

6447 \*KRETOVICH, V. L., BUNDEL, A. A., and PSHENOVA, K. V. Mechanism of wheat injury by Eurygaster integriceps. Acad. des Sci. U.R.S.S. Compt. Rend. (Dok.) 39: 31-33. Apr. 10, 1943. Text in English.

6448 \*LUISIER, A. Um coccideo (Aonidiella mismeuri, novo descoberto em Portugal. Broteria 11: 81-83. May 1, 1942.

6449 McDANIEL, E. I. Scale insects infesting house plants. Hort. News 9(12): 5, 7. Dec. 1943. 80 H7815

6450 \*\*MAZZA, SALVADOR. Consideraciones sobre la enfermedad de Chagas en Bolivia. 15 p. 1942. Reprinted from Prensa Med. Argentina 29(51). Dec. 23, 1942.

Trypanosomes found in Eutriatoma sordida, E. osvaldoi, Triatoma infestans.

Abs. in Trop. Dis. Bul. 40: 525. July 1943. 448.8 T752

6451 \*\*PROFFT, JOACHIM. Zur verbreitung der grünen pfirsichblattlaus, Myzodes (= Myzus) persicae Sulz., in Norddeutschland im zusammenhang mit dem problem des kartoffelabbaus. Arb. über Physiol. u. Angew. Ent. 9: 137-157. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 29M. Feb. 1943.

6452 RAU, PHIL. The neon-sign dance of the water-boatman, Tricocorixa verticalis Fieb. (Hemiptera). Ent. News 54: 258-259. Dec. 1943. 421 En88

6453 RICHTER, LEOPOLDO. Contribución al conocimiento de los Membracidae de Colombia. III, IV. Caldasia, No. 5, p. 41-49; No. 6, p. 81-112. Aug. 1, 1942, Mar. 15, 1943. 516 C12

New spp. in: (III) Centrogonia; Rhexia 2; (IV) Penicthrophorus, n. g. 4; Centrogonia 4; Antonae.

6454 \*SAN JOSÉ scale (Aspidiotus perniciosus) infestation. Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 101M. July/Aug. 1942.

Communication from the Ministry of Agriculture and Forests, Rome.

6455 \*\*SERVADEI, ANTONIO. La cimice dei cavoli (Eurydema ventrale Kl.). R. Staz. di Ent. Agr. Nota Prat. 14. 7 p. Firenze, 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 131M. Sept. 1942.

6456 \*\*SERVADEI, ANTONIO. Sulla presenza in Albania della Ceresa bubalus F. e la sua diffusione in Europa. Redia 28: 1-10. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 47M. Mar. 1943.

6457 SMITH, C. F., and KNOWLTON, G. F. The aphid genus Drepanaphis Del Guercio. Elisha Mitchell Sci. Soc. Jour. 59: 171-176. Dec. 1943. 500 E14

6458 \*\*STRUVE, RICHARD. Aphiden der Nordseeinsel Borkum. Arb. über Physiol. u. Angew. Ent. 9: 51-54. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 164M. Nov. 1942.

6459 \*TALITSKIĬ, V. I. Plodovitost' i dinamika faitskladki vrednoi cherepashki (Eurygaster integriceps Put.) [The fecundity and dynamics of oviposition by Eurygaster integriceps Put.]. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(9/10): 17-21. 1942. Ref.

6460 \*THIEM, H. Im obetbau schädliche schildläuse. Kranke Pflanze 19: 24-28, 47-52. Mar./Apr., May/June 1942.

6461 \*\*WOOD-BAKER, C. S. A new species of Irish aphid Trilobaphis rhodolestes sp. nov. (on rambler rose; with artificial key (partial) to apterae of Irish Aphididae. Roy. Irish Acad. Proc. 49(sect.B): 121-142. 1943.

Noted in Rev. Appl. Ent., A 31: 432. Oct. 1943. 421 R325



- 6462 YERXA, CHARLES. Control of aphids [*Brevicoryne brassicae*], and worms [*Pieris rapae*], attacking cabbage. Calif. Cult. 90: 609. Nov. 27, 1943.  
6 C12

## HYMENOPTERA

- 6463 BROWN, W. L., JR. A new metallic ant *Monomorium viridum* from the pine barrens of New Jersey. Ent. News 54: 243-248. Dec. 1943. 421 En88
- 6464 BURNETT, THOMAS. The distribution of the eggs of *Encarsia formosa* Gahan with respect to its host, the greenhouse whitefly *Trialeurodes vaporariorum* Westwood. Rev. Canad. de Biol. 2: 378-394. Oct. 1943. 442.8 R325
- 6465 CARBONELL MAS, C. S. Las hormigas cortadoras del Uruguay. (To be cont.) Asoc. de Ingen. Agron. Rev. 15(3): 30-39. Sept. 1943. 290.9 As73  
General account of the biology of the fungus-growing ants and habits, nesting, and means of control of *Acromyrmex* (Moellerius) *striatus*.
- 6466 CAUDRI, L. W. D. The braconid *Alysia manducator* Panzer in its relation to the blow-fly *Calliphora erythrocephala* Meigen. 91 p. Proefschr. Univ. Leiden, 1941.  
Abs. in Biol. Abs. 16: item 15517. 1942.  
442.8 B526
- 6467 CLARK, JOHN. A revision of the genus *Promyrmecia* Emery (Formicidae). Melbourne Natl. Mus. Mem. 13: 83-149. Sept. 1943. 514 M484
- 6468 DONISTHORPE, HORACE. A list of the type-species of the genera and subgenera of the Formicidae. Ann. and Mag. Nat. Hist. (Ser. 11) 10: 617-648, 649-688. Sept., Oct. 1943. 410 An77
- 6469 DREES. Die kleesamen-wespe [*Bruchophagus gibbus*]. Kranke Pflanze 19: 78. July/Aug. 1942.
- 6470 FERNALD, H. T. Note on *Podium fulvipes* in Florida (Hymenoptera, Sphecidae). Ent. News 54: 251. Dec. 1943. 421 En88
- 6471 FINCK, VON. Nochmals: die wespen! Kranke Pflanze 19: 96. Sept./Oct. 1942.  
Destruction of wasp nests in the earth.
- 6472 GAHAN, A. B. Revisions of two genera of chalcid-flies [*Arachnophaga*; *Encyrtaspis*], belonging to the family Eupelmidae from North and South America. U. S. Natl. Mus. Proc. 94: 339-369. 1943. 500 Sm65P
- 6473 GÖSSWALD, KARL. Die massenzucht von königinnen der kleinen roten waldameise [*Formica rufa* *rufa-pratensis* minor] im wald. Ztschr. f. Angew. Ent. 29: 659-683. 1942.  
Describes a method of breeding queens so that the ant may be successfully used against forest insects.  
- Abs. in Rev. Appl. Ent., A 31: 451. Nov. 1943. 421 R325
- 6474 GOETSCH, W., and others. Beiträge zur bekämpfung von ameisenstaaten. II. teil. Untersuchungen 1939/1940. Ztschr. f. Angew. Ent. 29: 443-474. 1942.  
Experiments on *Lasius niger*, *Myrmica rubra*, *Acromyrmex striatus*.  
Abs. in Rev. Appl. Ent., A 31: 122-123. Mar. 1943. 421 R325
- 6475 HINCKS, W. D. Further nomenclature notes on Braconidae and Aphidiidae (Hym.). Entomologist 76: 221-224. Nov. 1943. 421 En8
- 6476 HÖLDOBLER, KARL. Über den nutzen der roten waldameise [*Formica rufa*]. Ztschr. f. Angew. Ent. 29: 518-528. 1942.  
Refers to value of *F. rufa* as forest insect predator.  
Abs. in Rev. Appl. Ent., A 31: 123. Mar. 1943. 421 R325
- 6477 JONES, C. R. Cherry slug [*Caliroa cerasi*], insect which may kill trees by eating leaves, can be easily controlled. Colo. Agr. Expt. Sta. Colo. Farm Bul. 5(5): 4-5. Nov./Dec. 1943. 100 C71S
- 6478 LANE, F. W. The mystery of bird "anting." Country Life [London] 94: 821. Nov. 5, 1943. 80 C83
- 6479 LUDWIGS, K. Die wespen [*Vespula vulgaris*], als feinde des obstbaues. Kranke Pflanze 19: 65-67. July/Aug. 1942.
- 6480 MEMMINGER, M. E. Umbrella ants [*Atta cephalotes*, *A. sexdens*], of Dutch Guiana. Amer. Foreign Serv. Jour. 20: 572-573, 593-594. Nov. 1943. 426 M51
- 6481 OTTEN, E. Beiträge zur kenntnis der Diprion-parasiten. 2. Chalcididen als Diprion-parasiten. Arb. über Physiol. u. Angew. Ent. 9: 108-126, 158-169. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 29M. Feb. 1943.
- 6482 PATE, V. S. L. On the nearctic species of Motes (Hymenoptera, Sphecidae). Canad. Ent. 75: 200-202. Nov. 1943. 421 C16  
Includes Motes *mescalero* and *M. muspa*, n. spp.
- 6483 REGO, C. DO V., and BRANDÃO FILHO, J. S. A saúva [*Atta* spp.] e seu combate. Brazil. Min. da Agr. Div. de Defesa Sanit. Veg. Pub. 17, 22 p. Rio de Janeiro, 1941. 464.9 B73
- 6484 SACHTLEBEN, HANS. Beiträge zur kenntnis der Diprion-parasiten. I. Einleitung und bemerkungen über einige Diprion-tachinen. Arb. über Physiol. u. Angew. Ent. 9: 89-107. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 13M. Jan. 1943.
- 6485 SOYKA, WALTER. Neue parasiten der San Jose-schildlaus (*Aspidiotus perniciosus* Comst.) (Hymenoptera: Proctotrypoidea: Scelionidae). Arb. über Physiol. u. Angew. Ent. 9: 175-178. 1942.  
*Microphanurus fulmeki* and *Neotelenomus perniciosi* n. spp.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 30M. Feb. 1943.
- 6486 STAHEL, GEROLD. The fungus gardens of the leaf-cutting ants [*Atta cephalotes*]. N. Y. Bot. Gard. Jour. 44: 245-253. Nov. 1943. 451 N48J
- 6487 STURM, HANS. Untersuchungen über busch-hornblattwespen (Diprion). Ztschr. f. Angew. Ent. 29: 412-442, 601-635. 1942.  
Studies on Diprion spp., *Gilpinia* spp., *Neodiprion sertifer*, and *Macrodiplon nemoralis* in the pine stands in Mecklenburg. - Abs. in Rev. Appl. Ent., A 31: 449-450. Nov. 1943. 421 R325
- 6488 THALENHORST, WALTER. Der zusammenbruch einer massenvermehrung von Diprion pini L. und seine ursachen. Ztschr. f. Angew. Ent. 29: 367-411. 1942.  
Abs. in Rev. Appl. Ent., A 31: 122. Mar. 1943. 421 R325
- 6489 WEBER, N. A. The ants of the Imatong Mountains, Anglo-Egyptian Sudan. Harvard Univ. Mus. Compar. Zool. Bul. 93: 263-389. Dec. 1943. 500 H26B  
Contents: Part I. Biology; Part II. Taxonomy; including 45 new spp. and forms in the sub-families Myrmicinae, Dolichoderinae, Formicinae.
- 6490 WHITING, P. W. Intersexual females and intersexuality in *Habrobracon* [i.e. *Microbracon*]. Biol. Bul. 85: 238-243. Dec. 1943. 442.8 B52
- 6491 WOLCOTT, G. N. Criteria for *Trichogramma* [*T. minutum*]. Trop. Agr. [Trinidad] 20: 221-222. Nov. 1943. 26 T754  
See also Apiculture and *Apis mellifera*.

## LEPIDOPTERA

- 6492 AITKEN, T. R. A note on the damage to wheat caused by the Indian meal moth [*Plodia interpunctella*]. Cereal Chem. 20: 700-703. Nov. 1943. 59.8 C33
- 6493 ATWOOD, C. E. A third tent caterpillar [*Malacosoma pluvialis*], in eastern Canada (Lepidoptera, Lasiocampidae). Canad. Ent. 75: 203-205. Nov. 1943. 421 C16



- 6494 \*\*BECKER, B. J. P. A preliminary report on "Habswein itch." East African Med. Jour. 20: 49-51. Feb. 1943.
- Disease believed due to "local and general toxic effects of the shed hairs of six kinds of Lepidopterous larvae."
- Abs. in Rev. Appl. Ent., B 31: 210. Nov. 1943.
- 421 R325B
- 6495 BROWN, A. W. A., and MacKAY, M. R. The jack pine budworm and the spruce budworm *Cacoecia* [i.e. *Archips*] *fumiferana* Clem. (Tortricidae). Canad. Ent. 75: 207-211. Nov. 1943. 421 C16
- Author believes "that the jack pine budworm may be considered as a subspecies of the spruce budworm, if not as a separate species. Controlled breeding experiments are needed to settle the question."
- 6496 BURKHARDT, V. R. New forest *Rhopalocera* in 1943. Ent. Rec. and Jour. Variation 55: 103-104. Nov. 1943. 421 En89
- 6497 BURKILL, H. J. A note on *Gonepteryx rhamni*. Ent. Rec. and Jour. Variation 55: 108. Nov. 1943. 421 En89
- 6498 \*CANDURA, G. S. Further damage caused by the Indian meal moth (*Plodia interpunctella*) and the Angoumois grain moth (*Sitotroga cerealella*). Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 19M-20M. Feb. 1943.
- 6499 CASPARI, ERNST. The influence of hatching order on the intensity of testis pigmentation in *Ephestia kühniella* Z. Jour. Expt. Zool. 94: 241-260. Nov. 1943. 410 J825
- 6500 CLENCH, H. K. Some lycaenid aberrations (Lepidoptera: Lycaenidae). Ent. News 54: 249-251. Dec. 1943. 421 En88
- 6501 COPLEY, G. H. Cabbage white butterflies. Gard. Chron. 114: 197. Nov. 20, 1943. 80 G162
- Refers to *Pieris* [i.e. *Autographa*] *brassicae*, *Pieris rapae*, *P. napi*.
- 6502 DEL CURTO, J. M. "Whither goest thou, pink bollworm [*Pectinophora gossypiella*]," Acco Press 21(12): 5-6. Dec. 1943. 6 Ac2
- Discusses possibility of eradicating new infestations in the United States and the necessity for co-operative work with Mexico.
- 6503 FIELD, W. D. Racial variation in *Strymon* [i.e. *Callicista*] *columella* (Fabricius). (Lepidoptera, Lycaenidae). Kans. Ent. Soc. Jour. 16: 153. Oct. 1943. 420 K13
- 6504 FLETCHER, T. B., and GRIFFIN, F. J. On the dates of Fischer von Röslerstamm, Abbildungen zur berichtigung und ergänzung der schmetterlingskunde, &c. Soc. Bibliog. Nat. Hist. Jour. 1: 465-469. Feb. 20, 1943. 241.7 Sol
- 6505 FORBES, W. T. M. Revisional notes on the *Danainae* (supplement). N. Y. Ent. Soc. Jour. 51: 295-304. Dec. 1943. 420 N48J
- 6506 HARRISON, J. W. H. Immigrant Lepidoptera in the Inner and Outer Hebrides. Ent. Rec. and Jour. Variation 55: 108-109. Nov. 1943. 421 En89
- 6507 HEMMING, FRANCIS. The dates of publication of the several portions of Doubleday (E.) Genera of diurnal Lepidoptera and of the continuation thereof by Westwood (J. O.) Soc. Bibliog. Nat. Hist. Jour. 1: 335-411. Oct. 15, 1941. 241.7 Sol
- 6508 HEMMING, FRANCIS. The dates of publication of the specific names first published in Doubleday (E.) Genera of diurnal Lepidoptera and in the continuation thereof by Westwood (J. O.). Soc. Bibliog. Nat. Hist. Jour. 1: 447-464. Oct. 15, 1941. 241.7 Sol
- 6509 HEMMING, FRANCIS. The types of the genera established by Doubleday (E.) in The genera of diurnal Lepidoptera and by Westwood (J. O.) in the continuation thereof. Soc. Bibliog. Nat. Hist. Jour. 1: 413-446. Oct. 15, 1941. 241.7 Sol
- 6510 HEMMING, FRANCIS. The types of the genera established by Doubleday (E.) in the Genera of diurnal Lepidoptera and by Westwood (J. O.) in the continuation thereof: A correction regarding the genus *Corybas* Westwood, 1850. Soc. Bibliog. Nat. Hist. Jour. 1: 470. Feb. 20, 1943. 241.7 Sol
- 6511 HOWES, W. G. Lepidoptera collecting at the Homer. Roy. Soc. New Zeal. Trans. and Proc. 73: 90-96. Sept. 1943. 514 W46
- 6512 \*\*HUDSON, J. P. Some notes on the army-worm [*Laphygma eximpta*] invasion of the Nairobi District in March, 1940. East Africa and Uganda Nat. Hist. Soc. Jour. 17: 125-127. 1943.
- Abs. in Rev. Appl. Ent., A 31: 425-426. Oct. 1943.
- 421 R325
- 6513 \*\*JANISCH, ERNST. Mischinfektionen bei nonnenraupen [*Lymantria monacha*]. Arb. über Physiol. u. Angew. Ent. 9: 185-202. 1942.
- Noted in Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 27M. Feb. 1943.
- 6514 \*\*JUNG, WILHELM. Beiträge zur kenntnis der lärchenminiermotte (*Coleophora laricella* Hb.). Ztschr. f. Angew. Ent. 29: 475-517. 1942.
- Abs. in Rev. Appl. Ent., A 31: 123. Mar. 1943.
- 421 R325
- 6515 \*KAVEN, G. Zur winterbekämpfung des apfel- und pflaumenwicklers [*Carpocapsa pomonella*, *Grapholitha funebrana*]. Kranke Pflanze 20: 15. Jan./Feb. 1943.
- 6516 KLEIN, PATSY. Status of the oriental fruit moth [*Grapholitha molesta*]. Calif. Cult. 90: 603. Nov. 27, 1943. 6 C12
- 6517 \*LINDEMUTH. Kohlweisslingsraupenbekämpfung [*Autographa brassicae*]. Kranke Pflanze 19: 37. Mar./Apr. 1942.
- 6518 McDUNNOUGH, J. Notes and descriptions of North American Geometridae (Lepidoptera). Canad. Ent. 75: 211-218. Nov. 1943. 421 C16
- Includes new spp. in: *Dysstroma*; *Lygris*; *Hydriomena*.
- 2.
- 6519 \*MINNING, W., and WEIDNER, H. Medizinisch wichtige insekten. Merkblatt 10. Giftraupen unter besonderer berücksichtigung Afrikas. Deut. Tropenmed. Ztschr. 46: 105-112. Feb. 15, 1942.
- 6520 NEWMAN, L. H. Autumn habits of butterflies. Country Life [London] 94: 778. Oct. 29, 1943. 80 C83
- 6521 NEWMAN, L. H. A short history of *Endromis versicolora* L. ab. *lapponica* Ban. Entomologist 76: 217-220. Nov. 1943. 421 En8
- 6522 \*NOLTE, H. W. Sexualduftstoffe der schmetterlinge und schädlingbekämpfung. Kranke Pflanze 19: 70-73. July/Aug. 1942.
- Reviews literature on sexual odors of butterflies and suggests possibility of their use in control.
- 6523 PRUTHI, H. S., and BREBAW, M. S. The red hairy caterpillar [*Amsacta moorei*] and its control. Indian Farming 4: 135-138. Mar. 1943. 22 In283
- 6524 RILEY, N. D. A new African lycaenid butterfly [*Teriomima woodi*]. Entomologist 76: 225-226. Nov. 1943. 421 En8
- 6525 RIPLEY, L. B., HEPBURN, G. A., and DICK, J. Mass breeding of false codling-moth, *Argyroplece leucotreta* Meyr., in artificial media. So. Africa Dept. Agr. and Forestry. Sci. Bul. 207 (Plant Indus. Ser. No. 53), 18 p. Pretoria, 1939. 24 So84S
- Mass breeding in oranges is not practical, but the use of an oatmeal porridge medium, to which is added the mould, *Mucor hiemalis*, is very satisfactory. The addition of beef extract increases growth rate and nearly doubles fecundity.
- 6526 ROSA DE AZEVEDO, A. A *Cydia* [i.e. *Carpocapsa*] *pomonella* L. e a sua biologia em Portugal. Agron. Lusitana 3: 129-136. 1941. 105.7 Ag8



6527 \*SPEYER, W. Die Bekämpfung des frostspanners *Operonhtera brumata*, im rahmen der allgemeinen schädlingbekämpfung in obstbau. Kranke Pflanze 19: 83-86. Sept./Oct. 1942.

6528 STALLINGS, D. B., and TURNER, J. R. A new U. S. record (Lepidoptera). Kans. Ent. Soc. Jour. 16: 154. Oct. 1943. 420 K13

*Hypopta* (Comadia) *redtenbacheri* collected near Alpine, Texas.

6529 TURNER, A. J. New species of Lepidoptera from the Barnard collection. No. 2. Queensland Mus. Mem. 12: 105-116. Nov. 6, 1943. 514 B772M

New spp. in: *Oxyetopa* n. g.; *Probolaea* n. g.; *Tax-eotis* 2; *Dichromodes* 5; *Thallarcha* 2; *Canthylidia* 4; *Euplexia* 3; *Ancara*; *Trilophia* n. g.; *Arboricornis*; *Spodoptera*; *Namangana* 2; *Dinoprora*; *Arlathisa* 2; *Zalissa*.

6530 TURNER, H. J. The British Noctuae, i.e. Phalaenidae, and their varieties. (Cont.) Ent. Rec. and Jour. Variation 55(11, sup.): 125-128. Nov. 1943. 421 En89

## ORTHOPTERA

6531 COLEMAN, EDITH. Further notes on the great brown stick-insect. Victorian Nat. 60: 105-107. Nov. 1943. 410 V66

6532 GOULD, G. E. Recent developments in roach control. Pests 11(12): 12-13, 22-23. Dec. 1943. 449.8 Ex8

Various substitutes for pyrethrum and sodium fluo-ride are discussed. Special mention is made of sodium fluosilicate and 2, 4-dinitroanisole.

6533 HUGHES-SCHRADER, SALLY. Polarization, kinetochore movements, and bivalent structure in the meiosis of male mantids. Biol. Bul. 85: 265-300. Dec. 1943. Ref., p. 299-300. 442.8 B52

Species mentioned: *Stagmomantis carolina*; *Paratenodera* i.e. *Tenodera*; *sinensis*; *Liturgousa annulipes*; *Choeradodis rhombicollis*; *Angela guianensis*.

6534 \*\*LIEBERMANN, JOSÉ. Paralelismo y discordancias entre acridios Chilenos y Argentinos. Cuzco, Peru; Univ. Rev. Universitaria 27(1): 107-116. 1942.

Abs. in Biol. Abs. 17: item 25767. Dec. 1943. 442.8 B526

6535 MARSICO, D. F. La tucura *Dichroplus arrogas*. Buenos Aires, Argentina (City) Bolsa de Cereales. Rev. 31(1.622): 6, 8. Oct. 30, 1943. 261 B866

6536 RIENOW, L. T. A brief for the cockroach. Nature Mag. 37(1): 22-24. Jan. 1944. 409.6 N214

History of the cockroach in popular style.

6537 SEMANS, F. M. Protozoan parasites of the Orthoptera, with special reference to those of Ohio. IV. Classified list of the protozoan parasites of the Orthoptera of the world. (Concl.) Ohio Jour. Sci. 43: 271-276. Nov. 1943. Refs. 410 Oh3

Class Ciliata.

6538 STEELE, H. V. Some observations on the embryonic development of *Austroicetes cruciata* Sauss (Acrididae) in the field. Roy. Soc. So. Austral. Trans. 65: 329-332. Dec. 19, 1941. 514 A43

6539 TODD, A. U. *Thelastoma iceni* (Schwenck), a nematode of cockroaches (*Periplaneta* spp.). Jour. Parasitol. 29: 404-406. Dec. 1943. 448.8 J824

*P. americana* and *P. brunnea*, new host records.

6540 UVAROV, B. P. African genera of the group *Oxyrrhypes* (Orthoptera, Acrididae). Ann. and Mag. Nat. Hist. (Ser. 11) 10: 577-589. Sept. 1943. 410 An77

*Chloroxyrrhypes* n.g.; new spp. and forms in: *Afroxyrrhypes* n.g. 4; *Anoxyrrhypes*.

6541 WINTERS, S. R. Air war on the grasshopper. Flying 33(6): 32-33, 136. Dec. 1943. Libr. Cong.

Popular article on airplane distribution of poisoned bait for control of grasshoppers and Mormon crickets (*Anabrus simplex*).

## SMALLER ORDERS

6542 BABCOCK, O. G. Control of lice on geese and ducks. U. S. Egg & Poultry Mag. 49: 560. Dec. 1943. 286.85 Eg3

6543 CARPENTER, F. M. Osmylidae, *Osmylidia requieta*; *Lithosmylus columbianus*, of the Florissant shales, Colorado. (Insecta-Neuroptera.). Amer. Jour. Sci. 241: 753-760. Dec. 1943. 470 An34

6544 \*CLAUBERG, K. W., and PFLEUM, W. Entwicklung eines neuen entlausungsverfahrens, system T. C. P. Zugleich grundsätzliche stellungnahme zur frage der heissluft-disinfektion. Ztschr. f. Hyg. u. Infektionskr. 124: 115-124. July 22, 1942.

Abs. in Pub. Health Engin. Abs. 23(9): Mai 42. Sept. 1942. 151.65 En3

6545 \*CLAUBERG, K. W. Wie lässt sich die heissluftentlausung verbessern? Deut. Med. Wchnschr. 68: 895-896. Sept. 4, 1942.

6546 CLAY, THERESA. Bird lice from the Tinamidae. Field Mus. Nat. Hist., Chicago, Zool. Ser. 24: 375-387. Nov. 26, 1943. 500 C4322

*Heptapsogaster boraquirae* n. sp.; and *H. boultoni* n. sp.

6547 CRAWFORD, J. C. A new genus *Zaxenothrips*, and species *Z. peculiaris*, of Hoptothripini (Thysanoptera; Phlaeothripidae). Wash. Ent. Soc. Proc. 45: 221-225. Dec. 1943. 420 W27

6548 HENNEY, MAX. The menace of lice infestation of sheep. Agr. Gaz. N. S. Wales 54: 478. Oct. 1, 1943. 23 N472

6549 HORREX, A. J. Treatment for the control of thrips *Taeniothrips simplex*, in gladioli. Austral. Gard. Lover 19(8): 17. Nov. 1, 1943. 80 G1615

6550 KIMMINS, D. E. A new species of Odonata *Nesobasis leverii*, from Fiji. Ann. and Mag. Nat. Hist. (Ser. 11) 10: 698-700. Oct. 1943. 410 An77

6551 LYMAN, F. E. Eye-color changes in mayflies of the genus *Stenonema* (Ephemeroidea). Ent. News 54: 261-264. Dec. 1943. 421 En88

6552 LYMAN, F. E. Note regarding authorship of *Hexagenia limbata* (Serville) (Ephemeroptera). Ent. News 54: 248. Dec. 1943. 421 En88

6553 MCGREGOR, E. A. Notes on the resistance of citrus thrips *Scirtothrips citri*, to tartar emetic. Calif. Citrog. 29: 62. Jan. 1944. 80 G125

6554 \*MARTYNOVA, O. M. *Permaki* Macoptera iz Cherkardy i Kargaly *Permian* Macoptera from Cherkarda and Kargaly. Akad. Nauk S. S. R. Izv. Ser. Biol. (Acad. des Sci. U. R. S. S. Bul. Sér. Biol.) 1942, No. 1/2, p. 133-149.

English summary, p. 147-149.

6555 \*\*MELIS, ANTONIO. Tisanotteri italiani: VIII. Genus *Limothrips*. Redia 28: 153-207. 1942.

Noted in Internat. Inst. Agr. Internat. Bul. Plant Protect. 17: 45M. Mar. 1943.

6556 MONTGOMERY, B. E. Records of Ohio dragonflies. Ohio Jour. Sci. 43: 267-270. Nov. 1943. 410 Oh3

First record of *Somatoclora linearis* from Ohio, included.

6557 MORISON, G. D. Notes on Thysanoptera found on flax (*Linum usitatissimum* L.) in the British Isles. Ann. Appl. Biol. 30: 251-259. Nov. 1943. 442.8 An72



6558 MOSELY, M. E. The preparation of insects for the microscope; with special reference to Trichoptera. (To be cont.) Entomologist 76: 227-234. Nov. 1943. 421 En8

6559 NEEDHAM, J. G., and BULLOCK, D. S. The Odonata of Chile. Field Mus. Nat. Hist., Chicago. Zool. Ser. 24: 357-373. Nov. 20, 1943. 500 C4322 Anticordulia, n. g. for Cordulia villosa Rambur.

6560 SALMON, J. T. The genus Folsomia (Collembola) in New Zealand. Roy. Soc. New Zeal. Trans. and Proc. 73: 73-75. Sept. 1943. 514 W46 F. lunata, F. novae-zealandiae, F. miradentata, F. sedecimoculata, n. spp.

6561 \*WEYER, F., and ZUMPT, F. Erfahrungen mit "Lausex," einem neuen bekämpfungsmittel gegen körperungeziefer. Deut. Tropenmed. Ztschr. 46: 258-265 pl. e. 348-355, July 1, 1942.

6562 \*WEYER, K. Medizinisch wichtige insekten. Merkblatt 11. Sandfloh Tunga penetrans, und hühnerkammfloh Echidnophaga gallinacea. Deut. Tropenmed. Ztschr. 46: 215-224. Apr. 15, 1942.

## AGRICULTURAL ENGINEERING

### GENERAL

6563 JEFFERSON, C. H., and AMUNDSON, G. Las rociadoras de hortalizas en los incendios rurales. Hacienda 18: 531. Dec. 1943. 6 H11

6564 TAYLOR, F. J. Apostle of production. Country Gent. 114(1): 14, 25. Jan. 1944. 6 C883 Biography of Professor Harry Bruce Walker.

6565 TEEPLE, LON. Wartime care of harness and leather. Checkerboard News 5(6): 6-7. Dec. 1943. 389.78 C41

### FARM MACHINERY

#### General

6566 ALLAWAY, ROBERT. A fine example of shop production. Farm Impl. News 65(1): 36, 38. Jan. 6, 1944. 58.8 F22

6567 \*BALLU, TONY. Trend of power agriculture in western European countries. Internatl. Inst. Agr. Monthly Bul. Agr. Sci. Pract. 34: 22T-32T. Jan. 1943.

6568 BARR, H. T., and TURNBULL, JAMES. A new implement for mole drainage. Agr. Engin. 24: 417-418. Dec. 1943. 58.8 Ag83

6569 BENHAM, E. H. Ensilage. The stack method. Tasmanian Jour. Agr. 14: 82-85. Aug. 1, 1943. 23 T182T

6570 BLANCO, ANDRÉS. Mecanización es la orden del día. Rincón Campesino 3(25/26): 34-35. Oct./Nov. 1943. 8 B47

6571 CLYDE, A. W. Mechanics of farm machinery. Part 1. Farm Impl. News 65(1): 28-30. Jan. 6, 1944. 58.8 F22

6572 DEERING, FERDIE. A glimpse of tomorrow. Farmer-Stockman 57(1): 38. Jan. 1944. 6 Ok45 New equipment and types of farm structures.

6573 EMERSON, FLOYD. South Dakota needs equipment. Farm Mach. and Equip., No. 1920, p. 24. Dec. 1943. 58.8 F225

6574 \*FISHMAN, I. Kak my gotovim i vospityvaem mekhanizatorskie kadry (How we prepare and train mechanical workers). U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyy proizvodstvenno-tekhn. M. T. S. 3(4): 1-3. Apr. 1943. How they trained tractor and combine operators at the machine-tractor station of Kamenskaya.

6575 FITCH, C. L. Sprayer purchase for 1943. Iowa State Hort. Soc. Proc. 77: 328-329. 1943. 81 Io9

6576 GARCIA, J. B. Lo que representa la mecanización en el cultivo del arroz. Rev. de Agr. [Cuba] 26(23): 8-19. Sept./Oct. 1943. 8 Ag88Re

6577 HALLER, ELLIS. Farm equipment's post-war outlook bright. Large domestic and foreign demand seen. Reconversion relatively simple. Barron's 23(50): 11. Dec. 13, 1943. 284.8 B27

6578 HOLE, ERLING, and WASHBURN, R. S. Farm machinery in 1944. U. S. Bur. Agr. Econ. Agr. Situation 27(11): 20-24. Nov. 1943. 1 Ec7Ag

6579 HOPPE, ED. Farm machinery repair program. Agr. Ed. Mag. 16: 114. Dec. 1943. 275.8 Ag8

6580 \*IATCHENKO, S. Novyy sposob vosstanovleniya golovok dvigatelia "CHTZ-S-60" (New method of restoring the cylinder heads of engine "CHTZ-S-60"). U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyy proizvodstvenno-tekhn. zhur. M. T. S. 3(4): 44. Apr. 1943.

Restoring cylinder heads by the disk method instead of the accepted ring way of repairing.

6581 JOHANNSEN, W. S. Urge graduated ceilings at auctions. Impl. & Tractor 58(26): 16-17, 42. Dec. 18, 1943. 58.8 W41

6582 KABLE, G. W. Spray rigs for fire fighting. Elect. on the Farm 16(12): 9-10. Dec. 1943. 335.8 E127

6583 KLEIN, JACK. Mechanized farming. Calif. Cult. 90: 623, 647. Dec. 11, 1943. 6 C12

6584 \*KONIACHIN, V. Peredovaya MTS [A leading machine-tractor station]. Sotsialist Selsk. Khoz. 14(1-2): 31-33. Jan./Feb. 1943.

On the training of tractor and combine operators and their duties.

6585 LONG, A. E. Mid-West association advises deferment of repairmen. Impl. & Tractor 58(26): 30, 32. Dec. 18, 1943. 58.8 W41

6586 LONG, A. E. Reports of food-producing conferences. Farm Impl. News 64(26): 27-32. Dec. 23, 1943. 58.8 F22

Reports from Mid-West, Indiana, Wisconsin, Ohio, Mississippi valley, Michigan, and New York food producing equipment conferences.

6587 MCCUEN, G. W. Motors and machinery. Poultry Tribune 50(1): 38-39. Jan. 1944. 47.8 P8642

6588 MacFARLANE, W. C. Farm machinery manufacturers size up the 1944 picture. Com. West 86(25): 9, 34. Dec. 18, 1943. 286.8 C733

6589 MASON, F. E. Purchasing supplies for producers of dairy products. New England Dairies News 3(9): 4. Dec. 1943. 44.9 N443

6590 MERRIFIELD, ARCH. Mississippi valley conference. Impl. & Tractor 58(26): 33-34. Dec. 18, 1943. 58.8 W41

6591 MULKAY, A. E. Mecanización agrícola. Tierra Libre 7(12): 8. Dec. 1943. 8 T443

6592 MULLIKEN, P. M. The road ahead - for dealers. Farm Impl. News 64(26): 25-27. Dec. 23, 1943. 58.8 F22

Also in Farm Mach. and Equip., No. 1920, p. 5-6, 31. Dec. 1943. 58.8 F225

6593 QUINONES DE AVELAR, J. Conservación de la maquinaria agrícola. Tech. Azucarera 20(23/24): 29-35. Nov./Dec. 1943. 66.8 T22

6594 SHARPE, M. Q. South Dakota's needs are vital for 1944 farm machinery. Com. West 86(24): 9. Dec. 11, 1943. 286.8 C733

6595 SHAW, WILLIAM. What's to be done about farm machinery? West. Livestock Jour. 22(7): 44-46. Dec. 15, 1943. 6 F2278

6596 SHAWL, R. I. Prevention of rust in farm machinery. Agr. Engin. 24: 421-422. Dec. 1943. 58.8 Ag83



- 6597 \*SUKHAREV, G. Zimnie remontnye raboty vyvolnenny dosrochno [Winter repairs had been finished on time]. Sovkhoznoe Proizvodstvo 3(1/2): 37-38. Jan./Feb. 1943.
- Repairs to agricultural implements.
- 6598 THYE, E. J. Minnesota's outlook is brighter for 1944 farm machinery. Com. West 86(26): 9. Dec. 25, 1943. 286.8 C733
- 6599 U. S. WAR PRODUCTION BOARD. Farm machinery and equipment and attachments and repair parts therefor. Fed. Register 8: 17402-17406. Dec. 29, 1943. 169 F31
- Supplementary Limitation Order L-170-a as amended Dec. 28, 1943, and Limitation Order L-257-a as amended Dec. 28, 1943.
- 6600 WESTENDARP, H.O., JR. Arc welding electrodes - how to use them. Farm Impl. News 64(25): 31-32, 34, 36, 38. Dec. 9, 1943. 58.8 F22
- 6601 WOODWARD, C.E. Industry picture brighter N.D. dealers hear. Impl. & Tractor 58(26): 26, 28. Dec. 18, 1943. 58.8 W41
- 6602 ZINK, F.J. New equipment tends toward crop improvement. Impl. & Tractor 59(1): 28, 30. Jan. 1, 1944. 58.8 W41

#### Tillage Machinery

- 6603 CULPIN, C. Nueva maquinaria destinada a habilitar terrenos para la agricultura. Campesino [Santiago, Chile, 75: 579-581. Sept. 1943. 9.3 Sol2
- 6604 \*NIKIFOROV, P. E. Ustanovka i regulirovka traktornykh plugov [The setting up and adjustment of tractor plows]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheimesiachnyi proizvodstvenno-tekhn. zhur. M. T. S. 3(4): 8-12. Apr. 1943.

#### Planting Machines and Fertilizer Distributors

- 6605 \*FEDOTOV, N. D. Ogranichiteli glubiny na diskovykh soshnikakh seialok [Adjustments for depth control on the disk plow planters]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheimesiachnyi proizvodstvenno-tekhn. zhur. M. T. S. 3(4): 15-17. Apr. 1943.
- 6606 \*FERE, N. Kombinirovannye agregaty na vesennem seve [Combined unit for spring sowing]. Sovkhoznoe Proizvodstvo 2(3/4): 39-42. Mar./Apr. 1943.
- 6607 KING, A.S. Equipment for spreading ammonium nitrate. Calif. Cult. 90: 634. Dec. 11, 1943. 6 C12
- 6608 NISSLEY, C.H. Two growers assemble a four row onion set planter. Hort. News 24: 1524, 1527. Nov. 1943. 81 M46
- 6609 \*ZIMINA, E. A. Podgotovka, ustanovka i regulirovka seialok [Preparation, setting up and adjustment of planters]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheimesiachnyi proizvodstvenno-tekhn. zhur. M. T. S. 3(4): 12-15. Apr. 1943.

#### Harvesting, Threshing, Drying, and Processing Equipment

- 6610 BEAVENS, E.A. Cabinet dehydrators suited to small-scale operations. Part 1. Food Indus. 16(1): 70-72, 116. Jan. 1944. 389.8 F737
- 6611 BELL, L.J. Labour-saving log-sawing. A sawing device that can be made from more or less waste materials. Farmers Weekly [Bloemfontein] 19(27): 24. Dec. 31, 1943. 10 F2226
- 6612 BELLAIR, T. S. The difference between clean and sterile [dairy equipment]. Austral. Milk and Dairy Prod. Jour. 10(10): 9. Oct. 1943. 44.8 Au72
- 6613 BENNETT, C. A., and GERDES, F. L. Closing down the gin. Cotton and Cotton Oil Press 44(26): 5-7. Dec. 18, 1943. 304.8 C822

- 6614 BENNETT, C. A., and GERDES, F. L. Wartime direct-heat oil and gas burning drier furnaces. Cotton and Cotton Oil Press 45(1): 12-13. Jan. 1, 1944. 304.8 C822
- 6615 \*BORINEVICH, V. Ispol'zovat' vse mekhanizmy na senouborke [To bring into use all the mechanical devices for hay mowing]. Sovkhoznoe Proizvodstvo 2(5): 35-39. May 1943.
- 6616 CRUESS, W. V. What dehydrators of carrots should do to get quality. Food Indus. 16(1): 73-75. 129. Jan. 1944. 389.8 F737
- 6617 DREWS, H.E. Available equipment to meet 1944 egg breaking and drying standards. U.S. Egg & Poultry Mag. 50: 9. Jan. 1944. 286.85 Eg3
- 6618 EGDELL, J. W. The cleansing of milking machines. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 136-138. 84 B77
- 6619 HARMON, L. G. Sanitation of dairy farm equipment. South. Dairy Prod. Jour. 34(6): 20-21. Dec. 1943. 44.8 So83
- 6620 HEINEMANN, C. B. Priority procedure up-to-date. Natl. Provisioner 109(26): 9, 35. Dec. 25, 1943. 286.85 N21
- Explains priority applications for meat-processing machinery and equipment, with special reference to Form WPB-3155.
- 6621 KLEIN, JACK. Mechanical picker a success. Calif. Cult. 90: 642. Dec. 11, 1943. 6 C12
- 6622 \*LEVYKIN, N. N. Bystro i kachestvenno otremonirovat' kombainy [Fast and good repair of combines]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheimesiachnyi proizvodstvenno-tekhn. zhur. M. T. S. 3(4): 39-43. Apr. 1943.
- 6623 MacBETH, F. Labour-saving devices. So. African Sugar Technol. Assoc. Proc. (1943) 17: 30-35. 65.9 So83
- 6624 MacBETH, F., BOOTH, G., and DYMOND, G. C. Survey of labour-saving and cost-saving devices. So. African Sugar Technol. Assoc. Proc. (1943) 17: 23-25. 65.9 So83
- 6625 MASUROVSKY, B. I. Post-war aspects on plant sanitation. Ice Cream Trade Jour. 39(12): 44, 64-65. Dec. 1943. 389.8 Ic2
- 6626 MILKING machines used more hours per year than any other farm machinery. U. S. Department of Agriculture report gives interesting comparisons. De Laval Monthly 37(6): 3. Nov./Dec. 1943. 44.8 D37
- 6627 MOIR, G. M. Conserving milking machine, rubberware. New Zeal. Dairy Exporter 19(1): 29-31. Sept. 1943. 44.8 N484
- 6628 MONTFORT, P. T. The relation between compressor size, insulation thickness, and eutectic value in farm freezer cabinets. Agr. Engin. 24: 429-430, 432. Dec. 1943. 58.8 Ag83
- 6629 PORTER, L.C. The home dehydrator as a clothes drier. Agr. Engin. 24: 411. Dec. 1943. 58.8 Ag83
- 6630 \*SCHACHT, H. R. Eftersyn av slaamaskinen (Care of the haycutter). Ugeskrift for Landmaend 88: 439. June 11, 1943.
- 6631 SHERE, LEWIS. How to prevent and remove milk deposits. Milk Plant Monthly 32(12): 32, 34, 39-40. Dec. 1943. 44.8 C864
- Controlling and removing milkstone from dairy equipment.
- 6632 SPAFFORD, W.J. Centenary of the invention of the stripper. Austral. Inst. Agr. Sci. Jour. 9: 103-104. Sept. 1943. 23 Au74
- 6633 SWANSON, P.F. Green feed chopper made from lawn mower. Elect. on the Farm 16(12): 12-13. Dec. 1943. 335.8 E127
- 6634 U.S. WAR PRODUCTION BOARD. Production quotas for canning machinery and equipment. Fed. Register 9: 450. Jan. 12, 1944. 169 F31
- Limitation Order L-292, Quota Schedule III, as amended Jan. 11, 1944.



- 6635 U. S. WAR PRODUCTION BOARD. Production quotas for flour, grain, feed milling and processing machinery and equipment. Fed. Register 8: 17408-17409. Dec. 29, 1943. 169 F31  
Limitation Order L-292, Quota Schedule VI.
- 6636 U. S. WAR PRODUCTION BOARD. Production quotas for meat canning, meat packing and meat processing machinery and equipment. Fed. Register 8: 17409. Dec. 29, 1943. 169 F31  
Limitation Order L-292, Quota Schedule VII.
- 6637 W., R. Mechanised flax harvesting. Austral. Farm and Home 52: 320. Oct. 1943. 23 Au7
- 6638 PEAVER, D.S. Mow hay finisher used for drying grain. Elect. on the Farm 16(12): 14. Dec. 1943. 335.8 E127
- 6639 WILSON, W. K. Prepare for the kill. Poultry Farmer [London] 109(2837): 10. Nov. 5, 1943. 47.8 F312  
Equipment and methods for slaughtering rabbits.
- 6640 WRIGHT, E. P. Combine harvesters and farm driers. Milling 101: 290-291. Dec. 4, 1943. 298.8 M622

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 6641 ARGENTINE fuels. Comments on Argentine Trade 23(3): 15-16. Oct. 1943. 287 C359C  
Based on a survey by the Armour Research Foundation. Contains a section on agricultural and miscellaneous fuels.
- 6642 \*BAZAROV, I. Proizvodstvo i ispol'zovanie skipidara v kachestve motornogo topliva [Production and use of turpentine as motor fuel]. U. S. S. R. Narod. Komis. Zeml. Selak. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekh. zhur. M. T. S. 3(4): 18-26. Apr. 1943.  
Turpentine used as fuel for automobiles, tractors, and combines in the machine-tractor stations of Gorodishiche and Nevianak, also by the following trusts: Altailes, Tomles, and Krasles.
- 6643 GOLDEN, T. L. How to take care of your motors. Food Indus. 16(1): 66-67, 118-119. Jan. 1944. 389.8 F737
- 6644 HIBBEN, R. C. Industry files brief on tires; OPA continues to deny class A rating to ice cream vehicles as tire crisis mounts. Ice Cream Trade Jour. 39(12): 18, 54-57. Dec. 1943. 389.8 Ic2
- 6645 \*IL'YASHENKO, S. Opyt restavratsii detalей [Experiment in repairing parts]. Sovkhoznoe Proizvodstvo 2(3/4): 43-44. Mar./Apr. 1943.  
Repairing worn-out parts of tractors by first boiling them in a solution of carbon electrodes before putting them through the other stages of the repair process.
- 6646 KEARNS, H. G. H. Garden tractors. I. Types and routine maintenance. Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt. 1941: 54-58. Long Ashton, 1943. 84 B77
- 6647 KEEPING electric motors on the job. Impl. & Tractor 59(1): 51-52. Jan. 1, 1944. 58.8 W41
- 6648 \*KLIMKO, N. Organizatsiia remontnykh rabot v MTS [Organizing repair work in the machine-tractor station]. Sotsialist. Selak. Khoz. 14(1-2): 26-30. Jan./Feb. 1943.  
On the repair of tractors and combines.
- 6649 \*NIKITIN, N. O proizvodstvenno-finansovom plane MTS na 1943 god [Plans of production and expenditures of the machine-tractor stations for 1943]. U. S. S. R. Narod. Komis. Zeml. Selak. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekh. zhur. M. T. S. 3(4): 5-7. Apr. 1943.
- 6650 PACKER, C. E. New power for old tractors. Impl. & Tractor 59(1): 33-34, 38. Jan. 1, 1944. 58.8 W41

- 6651 ROGERS, R. H. What makes an electric motor run? Farm Impl. News 64(25): 43-44. Dec. 9, 1943. 58.8 F22
- 6652 SHOEING spade lug tractors. Farm Impl. and Mach. Rev. 69: 650-651. Dec. 1, 1943. 58.9 Iu72
- 6653 \*SMOL'KO, I. O. Ugol'naiâ greika dlia zapuska i zazhiganiia dvigatelâ, perevedennogo na gaz [A coal burner for starting and lighting the two-stroke cycle gas engine]. U. S. S. R. Narod. Komis. Zeml. Selak. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekh. zhur. M. T. S. 3(4): 34-36. Apr. 1943.
- 6654 \*SPEKTOR, A. Opyt Ibresinskoï MTS po perevodu nefitedvigatelâ na gazogeneratornoe toplivo [Experiment of the machine-tractor station of Ibresinsk in changing oil engines to gas producers]. U. S. S. R. Narod. Komis. Zeml. Selak. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekh. zhur. M. T. S. 3(4): 44. Apr. 1943.
- 6655 \*VAGRAMOV. Iz nashego opyta traktor-oispol'zovaniia [Our experience in making use of tractors]. U. S. S. R. Narod. Komis. Zeml. Selak. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekh. zhur. M. T. S. 3(4): 4. Apr. 1943.
- 6656 WALT, H. G. Farm students learn to care for motors. Elect. World 120(2): 106. July 10, 1943. 335.8 E12

#### FARM STRUCTURES

##### General

- 6657 FARM structures construction now part of war effort. Concrete 52(1): 16, 19, 22. Jan. 1944. 299.8 C743
- 6658 \*HOPFEN, H. J. The evolution, through the war, of building methods and its effect on agriculture. Internatl. Inst. Agr. Monthly Bul. Agr. Sci. Pract. 34: 77T-83T. Mar. 1943.
- 6659 IVES, NORTON. Survey shows how lumber dealers helped farmers to meet food production goals. Miss. Val. Lumberman 74(53): 7-8. Dec. 31, 1943. 99.81 M69
- 6660 MYRIN, LAUREL. Rural builders course offers new solution to old farm problem. Miss. Val. Lumberman 74(52): 10-11. Dec. 24, 1943. 99.81 M69
- 6661 \*PEDERSEN, MARIUS. Landbrugets bygninger [Farm buildings]. Ugeskrift for Landmaend 88: 429-435. June 11, 1943.

##### Service Buildings

- 6662 ADIER, E. D. The lay-out of a piggery. Farming in So. Africa 18: 713-724, 729. Oct. 1943. 24 So842
- 6663 BAILLEY, C. F., GRIESBACH, L., and RANKIN, J. A. Homemade electric brooders. Canada. Dept. Agr. Pub. 756 (Cir. 175), 4 p. Ottawa, 1943. 7 C16C
- 6664 BRASHIER, E. S. Sanitation and disinfection of dairy, horse or hog barns. Prog. Farmer, Ky.-Tenn. Ed. 59(1): 41. Jan. 1944. 6 P945K
- 6665 CARTER, D. G. Tomorrow's barn. South. Agr. 74(1): 6. Jan. 1944. 6 So83
- 6666 COPSEY, LIONEL. Soda better than creosote for disinfecting poultry houses. Poultry Farmer [London] 109(2838): 7. Nov. 12, 1943. 47.8 F312
- 6667 DRYDEN, H. W. No priorities needed to improve poultry house. Calif. Cult. 90: 648-649. Dec. 11, 1943. 6 C12
- 6668 GORDON, M. D. Goat houses and fittings. Field 182: 592. Dec. 4, 1943. 10 F45
- 6669 JASPER, M. B. Chickens get cold too. Wallaces' Farmer 68: 751. Dec. 4, 1943. 6 W15  
Poultry house ventilation.



6670 KREUTZER, F. J. "Renewing the old." Proper housing enables dairy cattle to utilize feed for milk production instead of mere body maintenance. A practical example of remodeling. Better Farm Equip. and Methods 16(2): 6-8. Nov./Dec. 1943. 58.8 B46

6671 McCLASKEY, G. D. What type of housing for poultry? U. S. Egg & Poultry Mag. 50: 5-8, 41-42. Jan. 1944. 286.85 E3

6672 MARTIN, J. H. Temperature and humidity in the turkey incubator. Turkey World 19(1): 46-47, 49. Jan. 1944. 47.38 T84

6673 OTIS, C. K., and WHITE, H. B. Conditions in a two-story insulated poultry house. Agr. Engin. 24: 407-411. Dec. 1943. 58.8 Ag83

6674 REAVES, P. M. Safe pens for keeping dairy bulls. South. Planter 104(12): 20. Dec. 1943. 6 So89

6675 ROBERTSON, E. I. Ventilation of poultry houses. Florists' Exch. 101(25): 11. Dec. 18, 1943. 80 F666

6676 ROMANOFF, ALEXIS. Incubator sanitation. Northeast. Poultryman 37(6): 5. Dec. 1943. 47.8 N44

6677 SCHUH, E. C. "Shorty" Boggs on brooding. Elect. on the Farm 16(12): 11-12. Dec. 1943. 335.8 E127

6678 TURNILL, LEONARD. Choosing incubators. Poultry Farmer [London] 109(2839): 3. Nov. 19, 1943. 47.8 F312

6679 TURNILL, LEONARD. Growers' house. Poultry Farmer [London], 109(2837): 3. Nov. 5, 1943. 47.8 F312

6680 TURNILL, LEONARD. More about incubators. Poultry Farmer [London], 109(2840): 3. Nov. 26, 1943. 47.8 F312

6681 WARTIME brooder house. Insulation board replaces much scarce lumber. Poultry Tribune 50(1): 16. Jan. 1944. 47.8 P8642

6682 WEAVER, D. S. Something new in dairy barns. Elect. on the Farm 16(12): 6-8. Dec. 1943. 335.8 E127

Electrically equipped milk house attached.

6683 WORTHINGTON, JIM. My nests. Poultry Farmer [London], 109(2837): 8. Nov. 5, 1943. 47.8 F312

#### Storage Structures

6684 CONSERVACIÓN de hortalizas por medio de la congelación. Chacra 15(157): 12-13, 70, 76-77. Nov. 1943. 9 C34

Advantages of refrigerator lockers.

6685 ENGLAND, HOMER. A seasoned lockerman scans the industry's future. Locker Operator 5(5): 20, 35. Dec. 1943. 295.8 L79

6686 KOONTZ, L. L., MITCHELL, NOLAN, and DICKERSON, W. H., JR. Some results of curing hay in the mow with forced ventilation. Agr. Engin. 24: 419-420. Dec. 1943. 58.8 Ag85

6687 LAGLOIRE, PELLERIN. Les armoires frigorifiques; elles permettent à tous et à chacun de manger douze mois par année des produits à l'état frais. Bul. des Agr. 39(12): 17, 21. Dec. 1943. 7 B872

6688 RAMSER, J. H. Mow curing of hay. Agr. Engin. 24: 418. Dec. 1943. 58.8 Ag83

6689 VENEZUELA. REPÚBLICA DE AGRICULTURA Y GANADERÍA. Un sencillo y económico modelo de silo. Rev. de Agr. [Costa Rica], 15: 428-431. Sept. 1943. 8 E1

#### Farm Utilities

6690 CLAPPER, HOWARD. Lemley farm production goes up. Electricity gives time for better planning and herd care. Elect. on the Farm 16(12): 13. Dec. 1943. 335.8 E127

6691 LEATHAM, C. H. The present challenge of rural electrification. Edison Elect. Inst. Bul. 12(1): 29-30, 32. Jan. 1944. 335.8 Ed4

6692 WAGNER, C. P. Electric wiring that meets farm requirements. Agr. Engin. 24: 427-428. Dec. 1943. 58.8 Ag83

6693 WYLIE, C. E. Electricity on the farm front. Jersey Bul. 62: 1505, 1528, 1530, 1532. Dec. 20, 1943. 43.8 J48

#### Materials and Methods

6694 AMERICAN IRON AND STEEL INSTITUTE. Steel serves the farmer. Chem. Leaflet 17(3): 38-47. Nov. 1943. 381 J826A

6695 DEXTER, JULIA. Tin in the dairy industry. Milk Dealer 33(3): 34, 46, 48. Dec. 1943. 44.8 M595

Use in dairy equipment.

6696 GLENN, H. E. Rammed earth building construction. S. C. Engin. Expt. Sta. Bul. 3, 18 p. Clemson, 1943. 290.9 C592

6697 GOWDER, M. T. Paint is armor. South. Agr. 74(1): 8. Jan. 1944. 6 So83

6698 \*OZOLIN, A. Novoe y stroitel'stvo [Something new in construction]. Sovkhoznoe Proizvodstvo 2(3/4): 45. Mar./Apr. 1943. Method of simplified construction to be practiced on state farms.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

6699 BERL, ERNST. The chemical resources of fortress Europe. Chem. Indus. 53: 672-676, 748, 750. Nov. 1943. 381 C426

Discussion of the raw material supplies of the Axis. 6700 GUBIN, E. K. What shall we eat in 1944? Hygeia 22(1): 14-15, 43. Jan. 1944. 449.8 H993

Estimated supplies of food for the civilian population in the United States in 1944.

6701 HARRIS, J. W. Use and conservation of our home food supplies. Amer. Dietet. Assoc. Jour. 20(1): 9-11. Jan. 1944. 389.8 Am34

Food supplies, food waste, and conservation.

6702 ISKER, R. A. Effects of production on war fronts. Mod. Miller 70(51): 19. Dec. 18, 1943. 298.8 M72

Supplying food to the armed forces.

6703 KIDD, GWENDOLYN. Libraries and the food program in England. Spec. Libraries 34: 450-452. Nov. 1943. 243.8 Sp3

6704 LEAGUE OF NATIONS. ECONOMIC, FINANCIAL AND TRANSIT DEPARTMENT. Europe's overseas needs 1919-1920 and how they were met. 52 p. Geneva, 1943. (Series of League of Nations publications, II. Economic and financial, 1943. II. A. 6) 280.9 L47P 1943 II A 6

Food relief, p. 34.

6705 MCGIRR, W. F. Food administration and the libraries in World War I and II. Spec. Libraries 34: 447-449, 463. Nov. 1943. 243.8 Sp3

6706 MOORE, A. C. Which would the housewife choose: Apples, onions or eggs? Poultry [London], 93: 308. Nov. 16, 1943. 47.8 P869

Critical of the British food supply situation and agricultural policy.

6707 MOORE, W. R. Brazil's potent weapons. Natl. Geog. Mag. 85(1): 41-78. Jan. 1944. 470 N213

Brazil's agricultural products, meat packing industry, and rubber production program are discussed.



6708 MYERS, W. I. The United States food situation and outlook. Nulaid News 21(8): 4-6, 22-23. Nov. 1943. 47.8 N917

6709 PIPER, W. E. Outlook on farm food supplies for coming year. New England Grocery and Market Mag. 12(3): 31-32, 40. Jan. 1944. 286.83 N44A

6710 SOUTH AFRICA: politics and economics. Round Table, No. 133, p. 84-93. Dec. 1943. 280.8 K76

Includes discussion of control of prices, supplies, and food products marketing.

6711 WATSON, SIR ALFRED. India's famine and its lesson. Gt. Brit. and the East 60(1696): 13-14. Nov. 27, 1943. 286.8 N27

Comments on the debate in the Delhi Assembly regarding the setting up of an inquiry into the causes of the food shortage.

#### CONSUMPTION

6712 ABEL, MARJORIE. What shall we eat? Starve your garbage pail! Hawaii Farm and Home 6(12): 45. Dec. 1943. 25 H3191

6713 RHODES, NEILL. Per capita consumption U. S. selected industries. For Sale, Want and Exchange Bul. 1, 1. e. 13(6): 1, 4. Dec. 15, 1943. 280.28 F74

Tables and accompanying comment taken from U. S. Dept. of Agriculture Agricultural Outlook Charts.

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

6714 DIPMAN, C. W. Wartime changes in food distribution. Jour. Market. 8: 321-325. Jan. 1944. 280.38 J82

6715 GEORGE, H. B., JR. Buying perishables for the armed forces. Harvard Business Rev. 22: 209-219. Winter 1944. 280.8 H262

6716 HALLIDAY, I. G. Food supplies. The problem's setting. (To be cont.) H. S. Wales. Dept. Agr. State Mktg. Bur. Weekly Mktg. Notes 55: 208-210, processed. Oct. 27, 1943. 286.8 N47

Problems of marketing and distribution in the Tansvaal.

6717 JOHNSON, L. K. A history of marketing legislation in Virginia, its social and economic effects. Ohio State Univ. Abs. Doctoral Diss., No. 42, Spring quarter 1942/43, p. 43-54. Columbus, 1943. 241.8 Oh3

Includes legislation regulating the marketing of tobacco and other farm products.

6718 LANGLEY, J. A. Labelling and advertising of foods in the United Kingdom. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 481-484. Dec. 18, 1943. 286.8 C16

6719 "M. B. A." N. F. U. National Farmers' Union, faces vital marketing problem. Farmer and Stock-Breeder 57: 1785. Nov. 16, 1943. 10 F228  
Outlines Sidney Foster's scheme for post-war agricultural marketing. A diagram shows the proposed structure.

6720 NIELSEN, A. C. Impact of war on food marketing. Super Market Merchandising 8(12): 56-59. Dec. 1943. 389.8 Su7

6721 RHODES, NEILL. Will it take thirty years? For Sale, Want and Exchange Bul. 1(7): 1. Jan. 1, 1944. 280.38 F74

Desirability of centralized, producer-controlled markets for Florida farm produce.

6722 SCHAFFNER, W. A. "Imported from the U. S. A.": millions of labels, identifying United States products, now circulating throughout the world. Canning Trade 66(23): 12. Jan. 3, 1944. 286.83 T67

Labeling of products exported from the United States, including agricultural products.

6723 STANLEY, W. A. Farm women's market. Jour. Home Econ. 36(1): 23-24. Jan. 1944. 321.8 J82  
Describes a market set up in Harriman, Tennessee, by a group of home demonstration clubwomen.

6724 U. S. BUREAU OF AGRICULTURAL ECONOMICS. Index numbers of the volume of farm marketings. U. S. Bur. Agr. Econ. Farm Income Situation, FIS-46, p. 11-17, processed. Nov. 1943. 1.941 F8F33 Fis  
U. S. Bureau of Foreign and Domestic Commerce co-operating.

Statistical tables included.

6725 U. S. PRESIDENT (FRANKLIN D. ROOSEVELT). Twelfth report to Congress on lend-lease operations. Message... transmitting a report regarding reverse lend-lease aid to the United States. 78th Cong., 1st sess., H. Doc. 353, 10 p. Washington, U. S. Govt. print. off., 1943. 173.4 L45

6726 WEBNER, W. G. Wartime transportation of fresh food. U. S. Bur. Agr. Econ. Market. and Transportation Situation, Nov. 1943, p. 3-9, processed. 1.941 MEM34

6727 ZACCARDI, E. A. Mercados públicos de abasto - mercados de barrio. Cir. Med. Vet. de la Prov. de Buenos Aires 7: 246-251. Oct. 1943. 41.9 C49

Organization and administration of Argentine public food and city ward markets.

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

6728 HEINZ, H. J. Trademarks vs. grademarks. Acco Press 21(12): 10-12. Dec. 1943. 6 Ac2  
Arguments opposing grade labeling of food.

6729 REID, MARGARET. Grade labeling of canned foods. Jour. Home Econ. 36(1): 9-12. Jan. 1944. 321.8 J82

6730 VENNING, H. T. Will there be free enterprise in the post-war food world? Food in Canada 3(12): 7-9. Dec. 1943. 389.8 F7323  
Grade labeling as it would affect the processing and merchandising of food.

6731 WALKER, ROBIN. "V-brand" standardization takes a beating in Britain - note to Canada. Food in Canada 3(12): 19-20. Dec. 1943. 389.8 F7323

#### INDUSTRIAL UTILIZATION

6732 BARLOW, HOWARD. Agriculture's new frontier. Washcoegg 21(8): 23, 26. Dec. 1943. 47.8 W27

Possibilities of chemistry.

6733 CALDWELL, C. G. Amioca - a new industrial starch. Mfg. Confectioner 23(12): 15, 17-18. Dec. 1943. 389.8 M31

6734 \*KAMPP, R. Landbruget som raastoffbasis for industrien. (To be cont.) Ugeskrift for Landmaend 88: 461-464. June 25, 1943.

Industrial uses of agricultural products.

6735 SCHOFIELD, M. The citric acid industry. Indus. Chem. and Chem. Mfr. 19: 661-663. Dec. 1943. 382 In22

Also in Food 12: 315-316. Dec. 1943. 389.8 F738

#### PACKING AND PACKAGING

6736 GRAHAM, W. E. Wartime containers for canned foods--the outlook for 1944. Crown 33(1): 15, 21, 22, 29. Jan. 1944. 389.8 C88

6737 JOHNSON, L. A. Outmoded packaging handicaps many products. Super Market Merchandising 8(12): 42-46. Dec. 1943. 389.8 Su7



6738 LEINBACH, F. S. Packaging of dehydrated foods. [Summary.] Fibre Containers 28(12): 106. Dec. 1943. 286.8 F44

6739 LIBBY, C. E., O'NEIL, F. W. O., and NICKERSON, A. W. Accelerated corrosion of tin cans in various types of solid fibre containers. Fibre Containers 28(12): 40, 45-46, 48, 50. Dec. 1943. 286.8 F44

"Report on an investigation conducted at the New York State College of Forestry, Syracuse, N. Y., for the Eastern Box Company, East Brooklyn, Baltimore, Md., over the period Sept. 27, 1943, to Oct. 20, 1943."

6740 MALCOLMSON, J. D. The corrugated fibre box - a natural for air freight. Fibre Containers 28(12): 56, 58, 60, 62, 66, 68, 70. Dec. 1943. 286.8 F44

6741 PALEN, R. A. Adequate planning for glass container production essential to food program [condensed from an address, New York City, Oct. 1943]. West. Canner and Packer 35(13): 36, 38. Dec. 1943. 286.83 W522

6742 PALEN, R. A. Wartime food packaging. Natl. Carbonator and Bottler 77(468): 44-45, 78. Dec. 1943. 389.8 S68

Also in Natl. Bottlers' Gaz. 62(742): 128, 130. Dec. 1943. 390.8 M21

6743 SHELDON, C. L. Containers go to war. Harvard Business Rev. 22: 220-226. Winter 1944. 280.3 H262

General, with some attention to food containers.

6744 U. S. WAR PRODUCTION BOARD. Glass container and closure quotas. Fed. Register 9: 258-265. Jan. 7, 1944. 169 F31

Supplementary Order L-103-b as amended Jan. 4, 1944.

#### PRICES, PRICE CONTROL, AND RATIONING

6745 BOWER, R. P. Newfoundland food and price controls. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 490-491. Dec. 18, 1943. 286.8 C16

6746 BRANDT, KARL. Rationing as an essential to food conservation and equitable distribution, including consideration of various methods. West. Farm Econ. Assoc. Proc. (1943) 16: 52-64, processed. Ref. 280.83 W52

Discussion by J. M. Tinley, p. 65-71, and by G. R. Kinsley, p. 72-79.

6747 FINLAY, J. B. A survey of price control; the methods adopted in the Union of South Africa, and other countries at war. Com. Opinion 21: 91-93, 95. Oct. 1943. 287 C73

Mentions control of foodstuffs.

6748 HASKELL, A. P. Price control: Results and methods. U. S. Bur. Foreign and Dom. Com. Survey Current Business 23(12): 13-17. Dec. 1943. 157.7 C76Ds

Price trends, including food prices, in the United States in World War I and II; and comparison with similar trends since 1939 in Canada, Britain, and Australia.

6749 HIRSCH, JULIUS. Evaluation of our wartime price control. Jour. Market. 8: 281-288. Jan. 1944. 280.38 J82

General, including agricultural and food prices.

6750 JESNESS, O. B. War and post-war farm prices. Pt. II. (Concl.) Markets 11(44): 3. Dec. 16, 1943. 280.38 M343

6751 KOCK, KARIN. Swedish economic policy during the war. Manchester Statist. Soc. Trans. 1942/43: v-rvi. 251 M31

Touches upon price control and rationing of foods.

6752 LESS WPTE confusion if more consultation with businessmen. Canad. Grocer 58(1): 17-18, 36. Jan. 1, 1944. 286.83 C162

Written by "Sales Manager." Fifth of a series. Makes recommendations for food price control.

6753 NOLAN, J. H. OPA enforcement. State Govt. 17: 264-266, 268. Jan. 1944. 280.5 St2

6754 PAWLEY, W. H. Can prices be based on cost of production? Agr. Gaz. N. S. Wales 54: 501. Nov. 1, 1943. 23 N472

Considers bases for fixing prices of agricultural products.

6755 PUERTO RICO. DEPT. OF AGRICULTURE AND COMMERCE. BUREAU OF COMMERCE. Index numbers of the wholesale prices of foodstuffs in Puerto Rico. Puerto Rico. Dept. Agr. and Com. Bur. Com. Bul. 1, 58 p. San Juan, 1942. 284.39 P96B

Supplements 1-18 issued monthly in processed form, April 1942 to September 1943, are in Spanish.

6756 RAMAKRISHNA RAO, V. Price control in India. Madras Jour. Co-op. 35: 105-106. Sept. 1943. 280.28 M26

Causes of the breakdown in the price control system. Includes agricultural goods.

6757 SCHINDLER, R. C. Do black markets threaten us with invisible government? Bakers Weekly 121 (1): 27-28, 38, 42. Jan. 3, 1944. 389.8 B172

Includes discussion of black markets in meat.

6758 SINGER, H. W. The German war economy. In Manchester Statist. Soc. Trans. 1942/43, 26 p. 251 M31

Touches upon food rationing.

6759 STILLMAN, E. C., and WETZEL, JOHN. Two ration banking systems. Banking 36(6): 44. Dec. 1943. 284.8 Am3

6760 U. S. OFFICE OF PRICE ADMINISTRATION. Certain packed food products. Fed. Register 8: 16896-16918. Dec. 17, 1943. 169 F31

Maximum Price Regulation 306, including Amend. 20; Amend. 24 in Fed. Register 9: 287. Jan. 7, 1944.

6761 U. S. OFFICE OF PRICE ADMINISTRATION. Food rationing for institutional users. Fed. Register 8: 401-402. Jan. 11, 1944. 169 F31

General Ration Order 5, Amend. 43.

6762 U. S. OFFICE OF PRICE ADMINISTRATION. Meat, fats, fish and cheeses. Fed. Register 8: 16739. Dec. 14, 1943. 169 F31

Ration Order 16, Amend. 27 to Sup. 1 and Amend. 90; Amend. 87 in Fed. Register 8: 16797. Dec. 15, 1943; Rev. Sup. 1, Amend. 1 to Rev. Sup. 1, Amends. 91 and 83 in Fed. Register 8: 16834-16835, 16839, 16855-16861. Dec. 16, 1943; Amend. 4 to Rev. Sup. 1 in Fed. Register 8: 17278. Dec. 23, 1943; Amend. 8 to Rev. Sup. 1 in Fed. Register 9: 184. Jan. 5, 1944; Amend. 94 in Fed. Register 9: 220-221. Jan. 6, 1944; Amends. 95 and 97 in Fed. Register 9: 403-404. Jan. 11, 1944.

6763 U. S. OFFICE OF PRICE ADMINISTRATION. Processed beans, macaroni products and noodle products. Fed. Register 8: 16991. Dec. 21, 1943. 169 F31

Maximum Price Regulation 427, Amend. 2.

6764 U. S. OFFICE OF PRICE ADMINISTRATION. Processed foods. Fed. Register 8: 16796. Dec. 15, 1943. 169 F31

Ration Order 13, Amend. 95; Amends. 96 and 33 to Rev. Sup. 1 in Fed. Register 8: 16861-16865. Dec. 16, 1943; Amend. 93 in Fed. Register 8: 16918-16919. Dec. 17, 1943; Rev. Ration Order 13 in Fed. Register 9: 3-38. Jan. 1, 1944; 2d Rev. Sup. 1 in Fed. Register 9: 173. Jan. 5, 1944.



6765 WILSON, J. F. Controlling the Nation's food. Natl. Wool Grower 33(12): 18-19. Dec. 1943. 45.8 W21N  
Historical sketch of attempts to control food prices.

## PROCESSING AND STORAGE

6766 ALIMENTOS deshidratados; la guerra ha dado impetu a esta pequeña industria y su futuro es brillante. Rev. de Agr. [Dominican Republic, 34: 352-356. Jan./Feb. 1943. 8 R323  
Includes the dehydration process.

6767 BECKLEY, C. Let's look at England; food ways in war days. Poultry Farmer [Sydney] 10(29): 17-20. Dec. 19, 1942. 280.28 Or32  
Wartime changes in food processing and packing.

6768 BERDAN, E. M. Farmer delivers surplus to canner. Organized home canners utilize surplus perishable crops that the farmer is unable to sell. U. S. Ext. Serv. Ext. Serv. Rev. 14: 182-183. Dec. 1943. 1 Ex892Ex

6769 BIRDSEYE, CLARENCE. Postwar food form trends. West. Frozen Foods 5(2): 4. Dec. 1943. 389.8 W523

Possible future of different types of processed foods, particularly quick-frozen foods.

6770 BRADY, D. E. Is your locker box helping prevent waste? Locker Operator 5(5): 17. Dec. 1943. 295.8 L79

6771 CANNING, J. B. New foods or imitations? U. S. Food Distrib. Admin. Market. Activ. 6(10): 3-6. processed. Oct. 1943. 1.942 ASM34

Possible uses and future of new processed food products.

6772 CASTELL, C. H. The causes, cures and methods of preventing rancidity. Food in Canada 3(12): 10-12. Dec. 1943. 389.8 F7323

6773 DUNCAN, E. B. The advantages of field warehousing. Food Packer 25(1): 46. Jan. 1944. 286.83 C165

6774 FARRELL, K. T. Commercial dehydrated foods. Jour. Home Econ. 36(1): 16-17. Jan. 1944. 321.8 J82

Notes work of the U. S. Department of Agriculture in the field of dehydration and the characteristics and qualities of dehydrated foods.

6775 FITZGERALD, G. A. A look at the future of quick frozen foods. Quick Frozen Foods 6(5): 22-24. Dec. 1943. 389.8 Q4

6776 GRIFFITHS, F. P. What the locker plant operator should know about food poisoning. Quick Frozen Foods 6(5): 45, 58. Dec. 1943. 389.8 Q4

6777 HERSHEY, ROBERTA. A lot of education will be needed to can 4 billion jars. Expert solves some of the pitfalls of community canning centers. Seed World 54(12): 22, 35-36. Dec. 17, 1943. 61.8 Se51

6778 HOGELAND, RUTH. Kansas said can--and they did. Country Gent. 114: 70-71. Jan. 1944. 6 C883  
Canning of food by 4-H clubs in Kansas.

6779 JONES, F. W. How Western Regional Research Laboratory, of the U. S. Dept. of Agriculture, aids in dehydration research. Quick Frozen Foods 6(5): 63, 67. Dec. 1943. 389.8 Q4

6780 JONES, J. D. Intergranular spaces in some stored foods. Method of measurement. Food 12: 325-328. Dec. 1943. 389.8 F738

6781 LEITAO, EVARISTO. O programa de desidratação dos alimentos nos Estados Unidos. Brasil. Min. da Agr. Serv. de Econ. Rural. Bol. 1(1): 30-32. Jan./Mar. 1943. 281.9 B73B

6782 MERRITT, R. M. Some highlights in the future of refrigeration. O. A. C. Res. 56: 88-90. Nov. 1943. 276.8 On8

6783 PROCTOR, E. E. Dehydrated and compressed foods. Jour. Chem. Ed. 20: 619-621. Dec. 1943. 381 J826

6784 \*\*SHERMAN, V. W. Dehydration of food by radio-frequency energy. Engineer 176: 205. Sept. 10, 1943.

Listed in Agr. Index 29(3): 12. Dec. 1943. 241 Ag6

6785 TABLOID food - and its preparation. Indian Inform. 13: 196-197. Oct. 15, 1943. 280.8 In25

Processing and dehydration of foods and their pressing into tabloids or briquettes.

6786 VAN LEER, C. C., JR. Seabees shun regular "mess" - to eat "dried" foods! Quick Frozen Foods 6(5): 60. Dec. 1943. 389.8 Q4

6787 WATTS, B. M. Pretreatment of foods for dehydration. Jour. Home Econ. 36(1): 13-15. Jan. 1944. 321.8 J82

## STATISTICS

6788 AGRICULTURAL statistics - 1942. Fire. Dept. Agr. Jour. 11(1): 214-215. Mar. 1943. 10 Ir2J  
Statistics for acreage under crops and pasture and livestock numbers for June 1942 and June 1941.

6789 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Value of Canadian field crops, 1943. 5 p. processed. n. p., 1943. (C. R. No. 27, 1943) 253 St23Cr

6790 LEAGUE OF NATIONS. ECONOMIC, FINANCIAL AND TRANSIT DEPARTMENT. Agricultural production in continental Europe during the 1914-18 war and the reconstruction period. 122 p. Geneva, 1943. (Series of League of Nations publications, II. Economic and financial, 1943. II. A. 7) 280.9 L47P 1943 II A 7  
Studies production, trade, and consumption of the chief foodstuffs. Contains detailed statistics.

6791 PAN AMERICAN UNION. Inter-American collaboration policy of the Republic of Mexico. Com. Pan America, v. 12, No. 11/12, 35 p., processed. Nov./Dec. 1943. Ref. 280.8 C736

Includes wartime development and policy in agriculture. Tables show acreage and production of chief agricultural products, 1937-1942.

6792 \*VORLÄUFIGE ergebnisse der anbauerhebung 1942. Zürich, Switzerland. Statis. Bur. Statis. Mitteilungen (N. F.) 4: 177-187. Oct. 1942.

Statistical study of the agricultural area and land given over to various crops in the Canton of Zürich.

## BEVERAGES AND CONDIMENTS

6793 BALART, B. D. Brewing better coffee for our armed forces. Spice Mill 67(1): 22-23. Jan. 1944. 389.8 Sp4

6794 BROWN, J. F. Brazil coffee market active but exports lag behind quota. Tea and Coffee Trade Jour. 86(1): 14. Jan. 1944. 68.8 T22

6795 CADDOW, H. A. Ten years of wine progress. Calif. Fruit News 109(2895): 4. Jan. 1, 1944. 80 C12

California grape and wine industry. Also in Wines & Vines 24(12): 25. Dec. 1943. 95.8 C122

6796 CALIFORNIA. STATE BOARD OF EQUALIZATION. LIQUOR CONTROL DIVISION. Interstate wine trade barriers; a summary of State laws and regulations which discriminate against out-of-State wine and fruits for winemaking (as of Feb. 15, 1943). Calif. State Bd. Equal. Liquor Control Div. Alcoholic Beverage Control Bul. 8(4): 28-31, processed. Apr. 1943.

6797 CLARKE, R. W. Canadian tea and coffee restrictions continue. Spice Mill 67(1): 29. Jan. 1944. 389.8 Sp4



- 6798 THE COFFEE situation and outlook. Spice Mill 67(1): 25. Jan. 1944. 389.8 Sp4
- 6799 FISKE, W. B. How Clover Farm Stores sold coffee in 1941 volume with a sales contest. Tea & Coffee Trade Jour. 85(6): 14, 32, 34. Dec. 1943. 68.8 T22
- 6800 KOSTER, F. J. The wine industry, postwar. California 33(12): 11-13. Dec. 1943. 280.8 C12
- 6801 MITCHELL, G. F. Post-war era to see tea sales at new high. Spice Mill 67(1): 27. Jan. 1944. 389.8 Sp4
- 6802 PENTEADO, EURICO. Coffee in the post-war world. Tea and Coffee Trade Jour. 86(1): 10, 32, 34. Jan. 1944. 68.8 T22
- 6803 POWERS, E. V. 1944 prospect for China teas. Spice Mill 67(1): 28. Jan. 1944. 389.8 Sp4
- 6804 SHILLINGLAW, C. A., and LEVINE, MAX. Control of oxidative flavors in beverages. Food Res. 8: 453-463. Nov./Dec. 1943. Ref. 389.8 F7322
- 6805 VELÁZQUEZ FERNÁNDEZ, RAÚL. Proyecto de cooperativa del cacao. Agr. Costarricense 1: 59-62. July 1943. 8 Ag895
- Discusses the rise of the cacao industry in Costa Rica and the needs of the small farmers who produce 53 percent of the total crop. Cooperation is needed to prevent them from being victimized by speculators.
- 6806 \*WA. Weinernte und weinabsatz im Kanton Zürich, 1942. Zürich, Switzerland. Statist. Bur. Statist. Mitteilungen (N. F.) 4: 233-237. Jan. 1943. Includes prices for various types of wine.
- 6807 WALKER, ROBIN. Sold to the Allies--the world's tea crop! Spice Mill 67(1): 14-15. Jan. 1944. 389.8 Sp4

## DAIRY PRODUCTS

- 6808 BURKE, A. D. Something new in dairy manufacturing short courses. Ice Cream Rev. 27(5): 58, 60. Dec. 1943. 389.8 Ic22
- Short course carried to the industry and scheduled for Birmingham, Ala., instead of at the college.
- 6809 CLARK, N. R. A program for 1944 milk production. Milk Plant Monthly 32(12): 42-44. Dec. 1943. 44.8 C864
- 6810 EASTERBROOK, L. F. Making history in milk. Austral. Dairy Rev. 11(10): 12-14. Oct. 22, 1943. 44.8 Au73
- How Britain is meeting the need for increased milk production.
- 6811 HIBBEN, R. C. Co-operating in the ice cream industry to help win the war. Ice Cream Rev. 27(5): 76. Dec. 1943. 389.8 Ic22
- Also in Pacific Dairy Rev. 47(12): 12. Dec. 1943. 286.85 P11
- 6812 HULT, MILTON. Availability of dairy products in the coming months. Amer. Dietet. Assoc. Jour. 20(1): 12-14. Jan. 1944. 389.8 Am34
- 6813 LEETE, C. S. An epic investigation of streptococcal fever. Jour. Milk Technol. 6: 331-334. Nov./Dec. 1943. 44.8 J824
- A milk-borne outbreak.
- 6814 LILES, H. C. The role of wartime economies in post war operations as they concern the ice cream industry. South. Dairy Prod. Jour. 34(6): 14-16. Dec. 1943. 44.8 So83
- 6815 LÓPEZ PUMAREJO, MIGUEL. El vaso de leche escolar. Rev. Nac. de Agr. Bogotá, 37(471): 37. Sept. 1943. 9.4 R32
- Suggests that dairies in each town contribute to public schools a percentage of total milk produced.
- 6816 MANDT, P. H. A successful cross roads cheese factory at Bonduel, Wis. Natl. Butter and Cheese Jour. 35(1): 11-12. Jan. 1944. 286.85 B98Bu
- Discusses the factory, equipment and trade.
- 6817 MILLER, J. D. History of the Dairymen's League. (Cont.) Dairymen's League News 27(26): 5, 13. Dec. 21, 1943. 44.8 D1432
- 6818 MONTAGUE, T. G. Borden president describes outlook of dairy industry. Amer. Grocer 150(26): 3. Dec. 29, 1943. 286.83 Am32
- Also in Feedstuffs 16(1): 15-16. Jan. 1, 1944. 286.81 F322
- 6819 PERRY, R. A. Post-war group planning in the ice cream industry. Ice Cream Trade Jour. 39(12): 14, 43. Dec. 1943. 389.8 Ic2
- 6820 PRIOR, ROBERT. Problems of the dairymen. Calif. Milk News 22(13): 3, 8-9. Dec. 31, 1943. 44.8 C124
- Criticizes Government regulation of the dairy industry.
- 6821 STITTS, T. G. Butter outlook for '44. Natl. Food Distributors' Jour. 17(12): 13-14, 16-17. Dec. 1943. 286.28 M212
- Also in Creamery Jour. 55(1): 8, 29-30. Jan. 1944. 44.8 C86
- 6822 TERHUNE, BERNARD. War rulings affecting the ice cream industry. Ice Cream Trade Jour. 39(12): 20, 51-52, 54. Dec. 1943. 389.8 Ic2
- 6823 VICTORIAN SCHOOL OF DAIRY TECHNOLOGY AND DAIRY RESEARCH INSTITUTE. Report for year ended 30th June, 1943. Victoria. Dept. Agr. Jour. 41: 504-509. Oct. 1943. 23 V66J
- Partial contents: Butter flavor, by T. M. Jensen and A. G. Itzerott; The effect of *S. Lactis* Maltigenes on the flavour of butter and cheese, by T. M. Jensen; Characteristics of cleaning compounds used in dairy factories, by A. G. Itzerott, R. H. Trembath, and T. M. Jensen; Quality of boiler-feed water for direct-steam pasteurization of cream, by T. M. Jensen. Oval-tube technique for routine bacterial counts on butter, by W. C. T. Major; Detection of surface taint organisms in butter, by W. G. Crewther; Origin of bacteriophages for lactic streptococci used in cheese starters, by T. M. Jensen; A survey of the practice of non-stripping cows after machine milking, by T. M. Jensen and D. Wishart.
- 6824 \*WEGENER, A. Die europäische milch- und fettwirtschaft. Germany. Reichsmin. f. Ernährung u. Landw. Ber. über Landw. 28(3): 461-474. 1942. Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 56, June 16/Sept. 15, 1943. 280.9 L474L
- 6825 WELDEN, W. C. A review of emergency milk programs. Courier 4(7): 1, 3-4. Nov. 1943. 280.38 C83
- 6826 ZIEGLER, L. F. Americans are butter hungry. West. Livestock Jour. 22(7): 64-65. Dec. 15, 1943. 6 F2278

Analysis and Composition

- 6827 ARBUCKLE, W. S. Accounting for variations in fat tests. South. Dairy Prod. Jour. 34(6): 42-44, 47. Dec. 1943. 44.8 So83
- Deals with correct milk sampling, factors affecting accuracy of composite sample, and natural variations in the fat content of milk.
- 6828 BOYD, J. C., and NELSON, J. A. The relationship of the score of butter to the mold mycelia grade. Jour. Dairy Sci. 26: 1091-1093. Dec. 1943. 44.8 J822
- 6829 DAVIS, J. G. A portable resazurin outfit for milk testing. Milk Indus. 24(6): 47, 49, 51, 53. Dec. 1943. 44.8 M593
- 6830 JONES, G. E., and BARKWORTH, H. The acidity test compared with the 10-minute resazurin test and the methylene blue test for the bacteriological quality of milk. Dairy Indus. 8: 635-637. Nov. 1943. 44.8 D1427



- 6831 LIVAK, C. W. Calculating total solids in milk. Natl. Butter and Cheese Jour. 35(1): 13-15. Jan. 1944. 286.85 B98Bu
- 6832 SEDIMENT testing of milk in various States. Natl. Butter and Cheese Jour. 35(1): 16-17, 34. Jan. 1944. 286.85 B98Bu
- 6833 SPENCER, LELAND, and POLLARD, A. J. Differences in the butterfat tests of milk delivered by individual producers in the New York milk shed. N. Y. Agr. Col. (Cornell) Farm Econ., No. 138, p. 3522-3525. Nov. 1943. 280.8 C812
- 6834 THE TILE test of pure ghee. Indian Farming 4: 205. Apr. 1943. 22 In283
- If ghee, upon absorption by porous earthenware, leaves a white residue it is said to be adulterated. The test was found wholly unreliable.
- 6835 TUMMON, C. R. The methylene blue test for bacteria in milk. Queensland Agr. Jour. 57: 234-235. Oct. 1943. 23 Q33

#### Consumption

- 6836 MUTTI, R. J. Utilization of milk produced by Illinois farmers. Ill. Farm Econ., No. 102, p. 20-23. Nov. 1943. 275.28 I15
- Marketing and consumption of milk, cream, and butter, 1924-1942.

#### Distribution, Marketing, and Transportation

- 6837 ADAMS, H. P. Secondary markets. New England Dairyman 27(12): 8-9. Dec. 1943. 44.8 N44
- Digest of report on sales and prices in secondary markets, and butterfat counts made by the New England Milk Producers' Association.
- 6838 CLAXTON, A. J. Post-war selling plans. Ice Cream Trade Jour. 39(12): 12, 38. Dec. 1943. 389.8 Ic2
- Report of a special conference of the Illinois Dairy Products Association on post-war ice cream merchandising.
- 6839 COOK, A. S. Milk dealers cooperate in radio advertising of certified milk. Certified Milk 18(212): 5, 15. Dec. 1943. 44.8 C33
- 6840 FIENEMANN, H. W. Milk and by-products development. New England Dairyman 27(12): 9, 10. Dec. 1943. 44.8 N44
- On the help given in marketing milk by the plants operated by the New England Milk Producers' Association.
- 6841 FOWLER, C. A. Post-war ice cream retail stores. Ice Cream Trade Jour. 39(12): 16, 62-63. Dec. 1943. 389.8 Ic2
- Also in Ice Cream Field 42(6): 6, 28-29. Dec. 1943. 389.8 Ic23
- 6842 HAMILTON, W. M. A survey of the dairy industry in New Zealand. New Zeal. Jour. Sci. and Technol. 23: 257A-283A. Feb. 1942. 514 N48
- Discusses the development of the industry, international trade in butter and cheese, changes in the industry due to the war, and post-war demand for butter and cheese.
- 6843 HENNERICH, G. W. Post-war merchandising of ice cream. South. Dairy Prod. Jour. 34(6): 48-51. Dec. 1943. 44.8 S833
- Also in Ice Cream Rev. 27(5): 25, 50, 52, 54. Dec. 1943. 389.8 Ic22
- 6844 McCUTCHEON, M. W. Gas and rubber conservation in the dairy industry. Canad. Dairy and Ice Cream Jour. 22(12): 34, 36. Dec. 1943. 44.8 C162
- Milk transportation problems.

- 6845 MEEK, C. M. What of the future in the dairy industry? Canad. Dairy and Ice Cream Jour. 22(12): 31-32, 46. Dec. 1943. 44.8 C162
- Problems of milk distributors.

- 6846 MILBURN, C. H. War time milk transportation problems. Jour. Milk Technol. 6: 346-350. Nov./Dec. 1943. 44.8 J824

- 6847 PAINO, CHARLES. Sherbet gallonage, its better than you think. Ice Cream Field 42(6): 14-15. Dec. 1943. 389.8 Ic23

Summary of replies to questionnaire by retail ice cream manufacturers.

- 6848 RABUFFO, V. M. Post-war? Are we planning the answers now for the ice cream industry? Ice Cream Trade Jour. 39(12): 8-11, 46-47. Dec. 1943. 389.8 Ic2

Attempt to probe possible trends of post-war volume and other potential profit-producing avenues, including economics of operation.

- 6849 SMITH, C. W. Milk allocation--an experiment in marketing. U. S. Food Distrib. Admin. Market. Activ. 6(11): 3-6, processed. Nov. 1943. 1.942 A8M34

Also in Coastal Cattleman 9(11): 12, 14. Jan. 1944. 43.8 C63

- 6850 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. DAIRY BRANCH. The milk vendors' responsibility in distributing milk. Austral. Milk and Dairy Prod. Jour. 10(10): 6. Oct. 1943. 44.8 Au72

- 6851 THOM, EDWARD. Keep dealers and consumers informed regarding ice cream production restrictions and the sherbet problem. Ice Cream Rev. 27(5): 22-23, 68-69. Dec. 1943. 389.8 Ic22

- 6852 WARD, J. C. Going all out for the Army! Ice Cream Field 42(6): 8-9, 37. Dec. 1943. 389.8 Ic23

How a Salt Lake City creamery serves the Army with ice cream.

#### Grading, Inspection, Standardization, and Quality

- 6853 BAUCH, NORMAN. Quality ice cream--the road to profit. Ice Cream Field 42(6): 16, 39-40. Dec. 1943. 389.8 Ic23

- 6854 ELDRED, R. E. There will always be better quality. Natl. Butter and Cheese Jour. 35(1): 8-10. Jan. 1944. 286.85 B98Bu

- 6855 FISHER, M. R. War time increases our responsibilities. Jour. Milk Technol. 6: 362-364. Nov./Dec. 1943. 44.8 J824

Responsibility of the health officer and milk sanitarian in relation to milk inspection and milk ordinance enforcement.

- 6856 KANSAS STATE BOARD OF AGRICULTURE. City milk supervision. Kans. State Bd. Agr. Rpt. V. 62, No. 257, 34 p. Topeka, 1943. 2 K13Re

- 6857 MILK control in New England. New England Grocery and Market Mag. 12(3): 17-18. Jan. 1944. 286.83 N44A

- 6858 WALKER, ROBINS. British ice cream industry in quandary; courts rule in favor of product resembling ice cream in taste and appearance despite Government's ban. Ice Cream Field 42(6): 46. Dec. 1943. 389.8 Ic23

#### Industrial Utilization

- 6859 BROWNE, H. H. Selective fermentations of maltose and lactose in doughs as measured by the pressuremeter method. Cereal Chem. 20: 730-733. Nov. 1943. 59.8 C33

The lactose from milk products used in bread can be made to assist leavening by the use of a suitable yeast.

- 6860 McMEEKIN, T. L. Artificial bristles from casein. Abstract. ASTM Bul. 125, p. 19-21. Dec. 1943. 290.9 Am34B

#### Packing and Packaging

- 6861 GRANT, H. B. What's ahead for ice cream packaging? Ice Cream Field 42(6): 24-25. Dec. 1943. 389.8 Ic23



- 6862 RIKE, W. A. Are there improvements ahead in packaging ice cream? Ice Cream Field 42(6): 25-26, 28. Dec. 1943. 389.8 Ic23

Prices, Price Control, and Rationing

- 6863 JOHNSON, STEWART. Milk subsidy, or price increase? N. Y. Schoharie County Farm Bur. News 28(5): 3. Dec. 1943. 275.293 N. Y. Schoharie Co.  
6864 RAMSAY, ALAN. The Milk Board has scored. Farmer & Stock-Breeder 57: 1873. Nov. 30, 1943. 10 F228  
Discusses the recently announced prices for milk.  
6865 SPENCER, LELAND. Federal milk policy faulty. Amer. Milk Rev. 5: 363-364. Dec. 1943. 44.8 Am38  
Criticizes price ceilings and subsidies.  
Also in Moos 4(5): 6-7. Dec. 1943. 44.8 M78;  
Milk Dealer 33(3): 50, 52. Dec. 1943. 44.8 M595;  
Pacific Dairy Rev. 47(12): 11. Dec. 1943. 286.85 Fl1  
6866 SPENCER, LELAND. Less milk for New York in 1944. Dairy Farmers' Digest 2: 27. Dec. 20, 1944. 280.38 D142  
6867 U. S. OFFICE OF PRICE ADMINISTRATION. Dairy products. Fed. Register 8: 16836-16839. Dec. 16, 1943. 169 F31  
Maximum Price Regulation 289, Amend. 25; Amend. 24 in Fed. Register 8: 16842-16843. Dec. 16, 1943.  
6868 U. S. OFFICE OF PRICE ADMINISTRATION. Fluid milk sold in bulk. Fed. Register 8: 16795-16796. Dec. 15, 1943. 169 F31  
Maximum Price Regulation 280, Amend. 38.  
6869 U. S. OFFICE OF PRICE ADMINISTRATION. Milk and milk products. Fed. Register 9: 343. Jan. 8, 1944. 169 F31  
Supplemental Regulation 14A to General Maximum Price Regulation, Amend. 11.  
6870 WARNER, E. E. Factors that influence prices of milk. Inter-State Milk Prod. Rev. 24(8): 22-23, 25. Dec. 1943. 280.28 In83

Processing and Storage

- 6871 AGUILAR, CARLOS. Lo que el pueblo debe saber acerca de la leche y su salud. Esnea 30(1261): 2. Oct. 10, 1943. 44.8 Es5  
Sanitation in milk production and handling, importance of pasteurization, nutritive value, and need for new milk control legislation for Buenos Aires are discussed.  
6872 ANGEVINE, N. C. Keeping foreign matter out of milk is No. 1 problem. South. Dairy Prod. Jour. 34(6): 64-65, 69. Dec. 1943. 44.8 So83  
6873 BROWN, E. P. Homogeneización de la leche por vibraciones sónicas. Hacienda 38: 544. Dec. 1943. 6 H11  
6874 BURNS, JOSEPH. The case of the people versus Bossy. Natl. Butter and Cheese Jour. 35(1): 18, 20, 22-24. Jan. 1944. 286.35 B98Bu  
A playlet on the care and handling of milk.  
6875 COMBS, W. B. Prevention and control of butterfat losses in creameries. Creamery Jour. 55(1): 5, 28-29. Jan. 1944. 44.8 C86  
Care and handling of cream in butter manufacture.  
6876 CORBETT, W. J., and TRACY, P. H. The incidence of oxidized flavor in the milk of individual cows within one herd. Jour. Dairy Sci. 26: 1095-1106. Dec. 1943. 44.8 J822  
6877 DAVIS, H. L. Milk filtration with cotton media. Jour. Milk Technol. 6: 342-345. Nov./Dec. 1943. 44.8 J824  
6878 DAVIS, J. G. Cheesemaking: extracts. Food 12: 312-314. Dec. 1943. 389.8 F738  
6879 DOLBY, R. M. Cracked rinds in Cheddar cheese. New Zeal. Jour. Sci. and Technol. 23: 194A-201A. Dec. 1941. 514 N43

- 6880 ERSKINE, E. W., and others. The relative keeping qualities of evening, morning and mixed milk. Dairy Indus. 8: 618-625. Nov. 1943. 44.8 D1427  
B. M. Fischer, S. M. L. Smith, and J. G. Davis, joint authors.  
6881 FAY, A. C., and FRASER, JOSEPH. Precision timing of short time-high temperature pasteurizers. Jour. Milk Technol. 6: 321-330. Nov./Dec. 1943. 44.8 J824  
6882 FURNIA, R. L., MANSON, W. H., and McHALE, E. R. Symposium on causes and reasons for rejected milk. Jour. Milk Technol. 6: 351-361. Nov./Dec. 1943. 44.8 J824  
Improper care and handling.  
6883 HOME pasteurization of milk. Conn. Health Bul. 57: 269-271. Nov. 1943. 449.7 C76C  
6884 HORRALL, B. E., and MAUGHAN, M. O. Improving chocolate drinks by the addition of non-fat dry milk solids. Milk Dealer 33(3): 24-25, 48. Dec. 1943. 44.8 M595  
6885 HLYNKA, I., HOOD, E. G., and GIBSON, C. A. Agitation and temperature of cheese milk and the development of rancid and unclean flavors in Cheddar cheese. Jour. Dairy Sci. 26: 1111-1119. Dec. 1943. 44.8 J822  
6886 KITTEDGE, E. F. Butter-making at home is possible, these days! It's easy to make butter. Country Book Mag. 3(3): 94-96. Winter 1944. 6 C836  
6887 LEIGHTON, ALAN, and WILLIAMS, O. E. Sweetening power of the corn sugars in ice cream. Jour. Dairy Sci. 26: 1107-1110. Dec. 1943. 44.8 J822  
6888 MARQUARDT, J. C. Flavor defects in milk. Rural New Yorker 102: 618. Dec. 11, 1943. 6 R88  
6889 MARQUARDT, J. C., and YALE, M. W. Outline program for improving quality of cheese in New York. Cheese Rptr. 68(16): 1, 6. Dec. 17, 1943. 44.8 Sh3  
6890 MATTICK, A. T. R. Bacteriological aspects of milk processing and distribution. Soc. Chem. Indus. Jour. Chem. and Indus. 62: 439-441. Nov. 20, 1943. 382 M31C  
Milk pasteurization.  
6891 PUIG, IGNACIO. Diversos procedimientos para congelar leche. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(763): 25-26. Oct. 31, 1943. 287 R71  
6892 QUEVEDO, J. M. Es posible en las condiciones actuales producir y entregar leche pura? Esnea 30(1264): 5. Nov. 3, 1943. 44.8 Es5  
6893 QUIRCH ROSELL, EDUARDO. Los avances de la ciencia; la leche homogenizada. Vaqueros 3(10): 11-12. Oct. 15, 1943. 43.8 V41  
6894 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. DAIRY BRANCH. Care of milk in the home. Austral. Milk and Dairy Prod. Jour. 10(10): 7. Oct. 1943. 44.8 Au72  
6895 SPAIN, J. F. Salt in cheesemaking. Cheese Rptr. 68(15): 7. Dec. 10, 1943. 44.8 Sh3  
Relation of salt to cheese flavor.  
6896 SPROULE, W. H. Maintenance of quality and food value in ice cream. Canad. Dairy and Ice Cream Jour. 22(12): 27, 30. Dec. 1943. 44.8 C162  
6897 VALDIVIA, M. A. Una máquina para hacer leche fresca. Vaqueros 3(10): 7. Oct. 15, 1943. 43.8 V41  
Fluid milk remade from dried milk with an emulsifier.  
6898 VAN LEER, C. C., JR. First American report on "niro" milk drying. Quick Frozen Foods 6(5): 62. Dec. 1943. 389.8 Q4  
6899 WEBB, B. H., and BELL, R. W. The effect of high-temperature-short-time heating of concentrated milk upon its heat stability. Jour. Dairy Sci. 26: 1071-1077. Dec. 1943. 44.8 J822



6900 YOARS, FRED. Tips on selling sherbets. Ice Cream Trade Jour. 39(12): 22. Dec. 1943. 389.8 Ic2  
Importance of body, texture, and flavor.

#### Statistics

6901 NEW SOUTH WALES. DIVISION OF MARKETING AND AGRICULTURAL ECONOMICS. Butter; production of various States: years 1936-37 to 1941-42. N. S. Wales. Dept. Agr. Div. Mktg. State Mktg. Bur. Monthly Mktg. Rev. 10: 124, processed. Oct. 1943. 286.8 N47M  
A chart showing production for the Australian States.

#### FEED AND FORAGE CROPS

6902 BARINGER, J. W. Feed quality control problems. Grain and Feed Jour. Consolidated 91: 483. Dec. 8, 1943. 298.8 G762

6903 BOLING, F. E. Feed Industry Council analyzes feed situation; must have intelligent and unselfish cooperation. Hatchery Tribune 17(12): 26-29. Dec. 1943. 47.8 E28

6904 BOLING, F. E. The feed situation. Grain and Feed Jour. Consolidated 91: 481. Dec. 8, 1943. 298.8 G762

6905 THE FEED situation in various States; Flour & Feed 44(8): various paging. Jan. 1944. 298.8 F66

Contains brief reports and statements as follows: for Virginia, by W. C. Jones, p. 17; Rhode Island, by J. B. Smith, p. 18; Kansas, by Paul Ijams, Northwestern States, by J. S. Carver, Vermont, by L. S. Walker, p. 28; Utah, by G. T. Branch, p. 32; Texas, by F. D. Fuller, p. 40; and Wisconsin, by W. B. Griem, p. 46.

6906 GREEN, C. A. What makes feed prices higher? Pa. Farm Bur. Fed. Co-op Rev. 11(1): 42. Dec. 1943. 280.28 P38

6907 JONES, MARVIN. Protein concentrates supply. Hog Breeder 18(12): 54. Dec. 1943. 46.8 H672

6908 \*KANNENBERG, H. Aufreutern ohne fehler! Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133(23): 329. June 5, 1943.

Method of drying hay.

6909 KILE, ELTON. Feed control as seen by the trade. Grain & Feed Jour. Consolidated 91: 481. Dec. 8, 1943. 298.8 G762

6910 KIMBER, J. E. California Poultry Council will assist in correcting the feed situation. Nu-laid News 21(8): 9. Nov. 1943. 47.8 N917

6911 MALTAS, K. J. Feed, protein distribution. Flour & Feed 44(8): 22. Jan. 1944. 298.8 F66

6912 MOHORNE, W. G. The 1944 feed outlook. Carolina Co-op. 21(12): 5. Dec. 1943. 72.8 N81

6913 MORISON, F. L. Utilization of Ohio farm feed supplies. Ohio. Agr. Expt. Sta. Bmo. Bul. 28: 230-231. Nov./Dec. 1943. 100 Oh39

Estimates of present and probable future consumption of feed by Ohio livestock from a "recent" study on Maximum Wartime Production in Ohio.

6914 \*NICOLAISEN, W. Reine luzerne und luzerne-rotklee gemenge. Landesbauernschaft Rheinland. Wchnbl. 61: 225. Apr. 2, 1943.

On the supply situation.

6915 PEARSON, F. A., MYERS, W. I., and CUNNINGHAM, L. C. Feed supplies and their utilization in the United States. N. Y. Agr. Col. (Cornell) Farm Econ., No. 138, p. 3506-3507, 3512-3518. Nov. 1943. 280.8 C812

6916 REID, E. B. Co-ops beat sun at its own game. U. S. Farm Credit Admin. News for Farmer Co-op. 10(9): 1, 8-9. Dec. 1943. 166.2 M47

Drying of hay in cooperative plants.

6917 RICKEY, L. F. War pushes co-ops into feed manufacturing. U. S. Farm Credit Admin. News for Farmer Co-op. 10(9): 14-15. Dec. 1943. 166.2 M47

6918 ROESLER, ELDON. Iowa feed dealers discuss industry problems at Des Moines convention. Feed Bag 19(12): 25-26, 97. Dec. 1943. 389.78 F32

6919 STEENBERGH, D. K. Federal 'big stick' to assure distribution of feed; protein on 1942-43 basis. Feed Bag 19(12): 9, 108. Dec. 1943. 389.78 F32

6920 THOMPSON, L. E. Hoping for the future the feed situation in the Northeastern States. Flour & Feed 44(8): 44. Jan. 1944. 298.8 F66

6921 YANTIS, H. E. Iowa feed dealers concerned about price control, protein. Feedstuffs 15(49): 11-12. Dec. 4, 1943. 286.81 F322

#### FIBERS AND TEXTILES

6922 BARRERA VILAR, JOAQUÍN. Crisis henequeneras. Sisal de Yucatán 4(46): 2. Oct. 31, 1943. 73.8 S183

Brings out the great importance of henequen in the economy of Yucatán, the effect of the depression, and the dangers of such a single-crop system.

6923 BOZA BARDUCCI, TEODORO. Estudio sobre la humedad contenida en el algodón, durante la época de la recolección en el Perú; efectos de la misma sobre la perfección del desmote. Gac. Algodonera 20(236): 13-15. Sept. 9, 1943. 72.8 G11

6924 BROWN, C. H. Egyptian cotton; trends in production. Textile Weekly 32: 667-668, 715-716. Nov. 12, 19, 1943. 304.8 T3127

Discusses increased yields per acre, varietal changes, and grade improvement.

6925 BROWN, F. S. Plastics in the textile industry. Their three-fold contribution. Wool Rec. and Textile World 64: 682, 684, 686, 688, 690. Nov. 11, 1943. 45.8 W884

6926 COTTON-TEXTILE INSTITUTE, INC. Proceedings, 17th, 1943. Cur. Inform., v. 8, No. 12, 72 p. Nov. 1943. 304.9 C82C

Partial contents: Relief and Rehabilitation after the War, by F. B. Sayre, p. 9-13; The Supply of Cotton by Grades and Staples, by C. C. Smith, p. 13-14; The Competitive Position of American Cotton at Home and Abroad, by R. T. Harriss, p. 14-15; Factors Influencing the Operations of the Cotton Futures Market in the Post-War Period, by John Scatterty, p. 15-17; and Recent Trends in Fiber Consumption, by S. B. Hunt, p. 22-23.

6927 COX, A. B. The role of cotton in the postwar economy of Texas. Cotton Digest 16(14): 8, 20. Jan. 1, 1944. 286.82 C822

6928 DAVIDSON, G. F. XI. The rate of change in the properties of cotton cellulose under the prolonged action of acids; XIII. Observations on the causes of turbidity in dispersions of cotton and modified cotton in cuprammonium. p. 219-234. Didsbury, The British cotton industry research association, Shirley Institute, 1943. 72.9 B773

Reprint from V. 18, 1941-42-43 of Shirley Institute Memoirs.

6929 FIGUEROA, JOSÉ. Ponencia sobre los metodos de trasquila y sugerencias para implantar los más adecuados. Agr. y Ganad. 19(1): 3-7. Nov. 30, 1943. 8 Ag834

Advise on shearing and handling and storing of the wool.

6930 HUTCHINS, T. C. Levelling in wool dyeing. Amer. Dyestuff Rptr. 32: 571-572, 583-584. Dec. 20, 1943. 306.8 Am3



- 6931 IYENGAR, R. L. N. Variation in the measurable characters of cotton fibres. *Indian Textile Jour.* 53: 405. Sept. 1943. 304.8 In2  
Summary of a thesis submitted for the degree of Doctor of Science at the University of Madras, 1943.
- 6932 KIRK, R. J. Fur market pays for size, clearness, volume of fur. *Weekly Market News & Mod. Farmer* [Winnipeg] 22(1): 7. Jan. 5, 1944. 286.81 G762A
- 6933 KIRK, R. J. Season's fur auction sales better than expectations. *Weekly Market News and Mod. Farmer* [Winnipeg] 21(51): 7. Dec. 22, 1943. 286.81 G762A
- 6934 KRISHNA, S., and GHOSH, T. P. Tamarind seed. A new sizing material for cotton yarn. *Textile Colorist* 65: 540, 545-547. Dec. 1943. 306.8 T31
- 6935 LANG, W. R. From greasy wool to worsted yarn. *Past. Rev.* 53: 681-682. Oct. 16, 1943. 23 Au75
- 6936 LORD, EDMUND. XI. The staple length of cotton. p. 183-218. Didsbury, The British cotton industry research association, Shirley institute, 1942. 72.9 B773  
Reprint from V. 18, 1941-42 of Shirley Institute Memoirs.  
Part I. Relations between official staple standards and characteristics of fibre length distributions; Part II. A survey of hand stapling in commercial and mill practice.
- 6937 NICKERSON, R. F. Structure, properties, and utilization of cotton. *Textile Rec.* 61(728): 50, 52, 54-55. Nov. 1943. 304.8 T311
- 6938 PAULSON, W. E. Childress cooperative gin saves \$3.54 a bale. *Prog. Farmer, Okla.-Tex. Ed.* 59(1): 42. Jan. 1944. 6 T311
- 6939 POMEROY, E. S. French substitutes for American cotton, 1861-1865. *Jour. South. Hist.* 9: 555-560. Nov. 1943. 134.8 J82  
French policy on cotton development during the American Civil War.
- 6940 QUALITY of American cotton crop improved by fiber testing service of U. S. Department of Agriculture. (To be cont.) *Cotton Trade News* 23(52): 1, 3. Dec. 25, 1943. 72.8 C8214
- 6941 ROSS, C. J. Re-planning our industry. 7. *Control of industry. Brit. Fur Trade* 25(11): 12-14. Nov. 1943. 412.628 B77  
Feasibility of control of the fur industry through Trade Associations in Great Britain.
- 6942 SALINS, H. D. The bast fibers. (Cont.) *Rayon Textile Monthly* 24(12): 75-76. Dec. 1943. 304.8 B21
- 6943 SAYRE, F. B. International relief and rehabilitation. U. S. Dept. State. Bul. 9: 274-280. Oct. 23, 1943. 150 B87  
Includes demand for textile products in international relief.
- 6944 SEEDFLAX waste promises new industrial fiber. *Mod. Indus.* 6(6): 120, 122, 125, 127. Dec. 15, 1943. 280.8 M72
- 6945 SHERMAN, J. V. The coming battle of fibers; synthetics will challenge cotton and wool; may knock out silk. *Barron's* 23(52): 5, 7. Dec. 27, 1943. 284.8 B27
- 6946 SMITH, S. L. Government wool program "still fits" the co-ops. U. S. Farm Credit Admin. News for Farmer Co-op. 10(9): 17. Dec. 1943. 166.2 M47
- 6947 U. S. DEPT. OF AGRICULTURE. EXTENSION SERVICE. Ginners can help make cotton fight. *Cotton and Cotton Oil Press* 45(1): 14. Jan. 1, 1944. 304.8 C822  
Information on cotton ginning advisory service furnished by the Extension Service.
- 6948 WAMBEGANSS, M. E. Flax flares to new prominence. U. S. Dept. Com. Foreign Com. Weekly 13(10): 10-11, 32-33. Dec. 4, 1943. 157.54 F763  
Possibilities for production in Latin America, the processes of production, and uses for the fiber.
- 6949 WARD, A. L. Should we grow more cotton in 1944? *Farmer Stockman* 57(1): 3. Jan. 1944. 6 OK45
- 6950 WARD, H. M., and BAILEY, BARBARA. Wearing tests on fabric blends of new and reclaimed wool fiber. *Jour. Agr. Res.* 67: 485-500. Dec. 15, 1943. Ref. 1 Ag84J
- 6951 WHITFORD, A. C. Determination and uses of mallow family fabrics. *Textile Age* 7(12): 73-74, 76, 78-80. Dec. 1943. 304.8 T3132
- 6952 \*ZELLER, PH. Constitution d'une société ayant pour objet l'utilisation mécanique de l'alfa en Tunisie. *Marseille Inst. Colon. Cahiers Colon.* No. 866, p. 1. Jan. 3, 1942.  
Discusses the program of a society in Tunisia which is to create a textile industry for the spinning and weaving of alfa grass.
- FRUITS, VEGETABLES, AND NUTS
- 6953 ADAIR, WILLIAM. Post-war plan for potato crop. *Farming News and North Brit. Agr.* 95(49): 2, 3. Nov. 26, 1943. 10 N82
- 6954 \*ALEKSANDROVSKAIA, M. Rastitel'noe atsidofil'noe moloko [Vegetable acidophilus milk]. *Sovkhoznoe Proizvodstvo* 2(5): 44. May 1943.
- 6955 BAILEY, H. S. Concentrated juices. *Food Packer* 25(1): 28-29, 60, 62. Jan. 1944. 286.83 C165
- 6956 \*CUNHA, P. DOS S. S. DA. O comércio de castanhas na campanha de 1941/42. III - O mercado interno. *Portugal. Junta Nac. das Frutas. Bol.* 2(11): 14-17. Nov. 1942.
- 6957 DIMITRI, V. A. La visita del Dr. Camp deja un saldo positivo para la industria cítrica. *Corporación Frutícola Argentina. Rev. Ofic.* 9(100): 9-12. Apr. 30, 1943. 83 C81  
Conclusions reached from an analysis of the report on the Concordia citrus industry by Dr. A. F. Camp.
- 6958 GRAVES, J. T. So sweet the potato. *South. Agr.* 73(12): 14-15. Dec. 1943. 6 So83  
The growing importance and usefulness of the sweet-potato.
- 6959 \*HAGEDORN. Kartoffeln und nochmals kartoffeln! *Landesbauernschaft Rheinland. Wchnbl.* 61: 227. Apr. 2, 1943.  
Points out that large supplies are needed.
- 6960 IRISH retrospect. *Economist* [London] 145: 747-748. Dec. 4, 1943. 286.8 Ec7  
Explains the successful invasion of Irish agriculture by the potato and its economic effects.
- 6961 MILLER, C. R. Problems of peach growers. Speaker stresses importance of united action to insure suitable price levels. Looks like 1944 crop of 70,000,000 bushels. *South. Florist and Nurseryman* 56(13): 5. Dec. 24, 1943. 80 So86
- 6962 MOREIRA, H. C. Os laranjeais nativos de Mato Grosso e a indústria do "petit-grain." *Brazil. Min. da Agr. Bol.* 31(12): 7-15. Dec. 1942. 9.2 Ag82  
A detailed account of procedure followed in the Mato Grosso petitgrain industry and information on prices obtained, transportation costs, and taxes incidental to the industry.
- 6963 MUGNANI, ANTONIO. La producción frutícola; aspectos de su comercialización, exportación y consumo. *Corporación Frutícola Argentina. Rev. Ofic.* 9(99): 7-10. Mar. 31, 1943. 83 C81  
Refers to the Argentine industry.



6964 PRATT, A. W. Food wasting. East. Fruit Grower 6(10): 7, 17. Dec. 1943. 80 Ea73

Fruit and vegetable waste and losses in the home, in transit, and in marketing.

6965 REEF, BETTY. That orange shortage. U. S. Food Distrib. Admin. Market. Activ. 6(10): 9-10, processed. Oct. 1943. 1.942 ASM34

6966 SCHWENNESEN, A. W. Future of citrus industry in Australia; no stability without efficient organization. Citrus News 19(10): 153, 158. Oct. 1943. 80 C494

6967 TOMEO IBARRA, H. P. Composicion y caracteristicas de jugos de uva. Corporación Frutícola Argentina. Rev. Ofic. 9(97): 21-28; (98): 23-25. Jan 31, Feb. 28, 1943. Ref. 83 C81

#### Consumption

6968 \*MATA, G. J. DA. O consumo de frutas verdes em Lisboa; algumas notas e comentários sobre o movimento do mercado abastecedor de frutas no ano de 1941. (Cont. and to be cont.) Portugal. Junta Nac. das Frutas. Bol. 2(12): 16-21; 3(1): 14-22; (2): 21-27; (3): 13-20; (4): 23-30; (5): 20-26. Dec. 1942, Jan.-May 1943.

#### Distribution, Marketing, and Transportation

6969 \*AMARAL, V. S. G. DO. O problema da batata-semente em Portugal. (To be cont.) Portugal Junta Nac. das Frutas. Bol. 3(5): 13-19. May 1943.

This installment discusses imports of seed potatoes.

6970 BUSHONG, A. H. Results of evening class instruction of farmers. Agr. Ed. Mag. 16: 112, 113. Dec. 1943. 275.8 Ag8

Describes a local project in storing and marketing sweetpotatoes.

6971 CHANDLER, JOHN. Bulk shipments of apples, causing waste of war food. Natl. Apple Inst. Bul. 139, 1 p., processed. Washington, D. C., 1943. 280.3939 M21B

6972 DAVIS, G. D. Another sign of Valley progress. Tex. Prog. 2(12): 16-17, 22. Dec. 1943. 280.8 T313

Tells about the Rio Grande Valley Citrus Exchange, a nonprofit cooperative.

6973 GRAFTON, J. D. Impressive growth and success of Rio Grande Valley Citrus Exchange. Texsum News 20(6): 7. Dec. 1943. 80 T31

6974 HAUCH, C. W. Marketing fruits and vegetables. Ohio Farmer 192(12): 15. Dec. 18, 1943. 6 Oh3

6975 HAUCH, C. W. What's ahead for produce growers? Ohio Farmer 193(1): 23. Jan. 1, 1944. 5 Oh3

Post-war changes in the marketing of fruits and vegetables.

6976 HENDERSON, H. W. Is our potato crop too big? U. S. Food Distrib. Admin. Market. Activ. 6(10): 15-18, processed. Oct. 1943. 1.942 ASM34

The 1943 potato crop and how it is being handled.

6977 MILLIMAN, L. H. Advertising helps citrus growers overcome 'surplus.' Better Fruit 38 (6): 8-9. Dec. 1943. 80 B46

A brief history of the development and activities of the California Fruit Growers Exchange.

6978 SIEGEL, MAURICE. Effect of shipping on calcium sulphate treated canned tomatoes. Canner 98(2): 13-14. Dec. 11, 1943. 286.83 C16

6979 SIEGEL, MAURICE. The effect of transportation on calcium treated canned tomatoes. Canning Trade 66(22): 13-14. Dec. 27, 1943. 286.83 T67

6980 WADE, J. M. Are you holding? Better Fruit 38 (6): 11. Dec. 1943. 80 B46

Notes risks involved in holding apples for sale later in the season.

#### Grading, Inspection, Standardization, and Quality

6981 SPANGENBERG, J. S. El empleo de la semilla de papa certificada por el Ministerio de Agricultura. Argentina. Dir. de Sanidad Veg. Ofic. de Reconocimiento y Control Sanit. Informativo, No. 25, 2 p., processed. July 28, 1943. 464.9 Ar322

#### Grading and Packaging

6982 MUCHARRAZ Y., JACOBO. Recolección y empaque adecuados de la ciruela. Agr. Mex. 59(10): 1-4. Oct. 1943. 8 Ag8

6983 NATIONAL APPLE INSTITUTE. The package situation. Natl. Apple Inst. Bul. 141, 2 p., processed. Washington, D. C., 1943. 280.3939 M21B

#### Prices, Price Control, and Rationing

6984 BITTICK, HORACE. Price margins and marketing costs. Calif. Cult. 90: 621, 631. Dec. 11, 1943. 6 C12

Notes results of a survey of wholesale and retail price margins on fruits and vegetables in four California markets, made by the State Department of Agriculture.

6985 CARR, C. B. The grower and 1943; some thoughts on the year that draws near the close. East. Fruit Grower 6(10): 4. Dec. 1943. 80 Ea73

Discusses costs and ceiling prices for apples.

6986 CHANDLER, JOHN. Selling apples under the ceiling. Amer. Fruit Grower 63(12): 7. Dec. 1943. 80 G85

6987 MILLER, C. R. Eastern apple deal; experience of growers and shippers under OPA ceiling prices. East. Fruit Grower 6(10): 6, 12, 15. Dec. 1943. 80 Ea73

6988 SCOVILLE, G. P. Shifts in the production of apple varieties and price changes in New York State. N. Y. Agr. Col. (Cornell) Farm Econ., No. 138, p. 3519-3521. Nov. 1943. 280.8 C812

6989 SHIELDS, F. W. Northwestern apple deal; movement of apples under OPA regulations is discussed. East. Fruit Grower 6(10): 5, 12. Dec. 1943. 80 Ea73

6990 U. S. OFFICE OF PRICE ADMINISTRATION. Canned vegetables in Alaska. Fed. Register 8: 16986-16991. Dec. 21, 1943. 169 F31

Maximum Price Regulation 288, Amend. 15.

6991 U. S. OFFICE OF PRICE ADMINISTRATION. Edible tree nuts. Fed. Register 8: 304-305. Jan. 7, 1944. 169 F31

Maximum Price Regulation 490, Amend. 3.

6992 U. S. OFFICE OF PRICE ADMINISTRATION. Imported fresh bananas, sales except at retail. Fed. Register 9: 219. Jan. 6, 1944. 169 F31

Maximum Price Regulation 285, Amend. 5.

6993 U. S. OFFICE OF PRICE ADMINISTRATION. Maximum prices for packers and certain other sellers of fruit preserves, jams and jellies. Fed. Register 9: 392-393. Jan. 11, 1944. 169 F31

Maximum Price Regulation 473, Amend. 5.

6994 U. S. OFFICE OF PRICE ADMINISTRATION. Sales of citrus fruits by packers, brokers, auction markets, terminal sellers and intermediate sellers. Fed. Register 8: 17425-17426. Dec. 29, 1943. 169 F31

Maximum Price Regulation 292, Amend. 8.

6995 WORK, PAUL. Vegetable ceilings. Amer. Agr. 40(26): 11. Dec. 18, 1943. 6 Am3

#### Processing and Storage

6996 BOGGS, M. M., CAMPBELL, HORACE, and SCHWARTZ, C. D. Factors influencing texture of peas preserved by freezing. II. Food Res. 8: 502-515. Nov.-Dec. 1943. 389.8 F7322



- 6997 CALDWELL, J. S., CULPEPPER, C. W., and SCOTT, D. E. Varietal suitability for dehydration in eastern freestone peaches. (Cont.) *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 101-106. Dec. 1943. 389.8 F94
- 6998 CROCE, F. M. Consideración sobre la desecación de frutas en relación con la producción de 1943. *Corporación Frutícola Argentina. Rev. Ofic.* 9(100): 19-26. Apr. 30, 1943. 83 C81  
Discusses Argentine dried fruit production, especially in Mendoza; discusses possibilities of drying various types of fruits; and gives figures for imports and exports.
- 6999 CROCE, F. M. Desecación de uvas al sol. *Corporación Frutícola Argentina. Rev. Ofic.* 9(99): 25-28. Mar. 31, 1943. 83 C81
- 7000 CROCE, F. M. La deshidratación de alimentos y la guerra; la desecación de frutas y hortalizas en Mendoza. *Pampa Argentina* 17(194): 1-2. Oct. 1943. 9 P19
- 7001 CRUESS, W. V., and others. Effect of sulfiting on dehydration temperature. *Canner* 98(5): 18. Jan. 1, 1944. 286.83 C16  
E. G. Balog, H. F. Friar, and Marion Low, joint authors.  
Experiments with cabbage, onions, and potatoes.
- 7002 CRUESS, W. V., FRIAR, HAZEL, and BALOG, E. Notes on cabbage dehydration. *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 113-115. Dec. 1943. 389.8 F94
- 7003 CRUESS, W. V., and others. Sulfiting to improve vegetables for dehydrating. *Food Packer* 25(1): 31, 62. Jan. 1944. 286.83 C165  
E. G. Balog, H. F. Friar, and Marion Low, joint authors.
- 7004 FROZEN Victory gardens - a new trend in packaging. *Mod. Packaging* 17(4): 61-67, 154. Dec. 1943. 309.8 M72  
Home packaging for the freezer locker.
- 7005 GIDLEY, R. K. How the other fellow does it! Close-ups of California pear harvesting. *Picking! Packing! Precooling!* *Amer. Fruit Grower* 63(12): 11, 17. Dec. 1943. 80 C85
- 7006 HALL, E. G. The home preservation of fruit juices. (To be cont.) *Agr. Gaz. N. S. Wales* 54: 507-510. Nov. 1, 1943. 23 N472  
This installment deals with preservation of juices from stone and berry fruits.
- 7007 HUBBARD, D. M. Keep 'em drying. *Canner* 98(5): 14-16. Jan. 1, 1944. 286.83 C16  
Describes the potato dehydration plant of H. C. Baxter & Bro., Hartland, Maine.
- 7008 HUSTRULID, ANDREW, and WINTER, J. D. The effect of fluctuating storage temperatures on frozen fruits and vegetables. *Agr. Engin.* 24: 416. Dec. 1943. 58.8 Ag83
- 7009 KELLOGG, MINERVA. South Dakota has made three year study of frozen fruits. *Locker Operator* 5(5): 36-37, 39. Dec. 1943. 295.8 L79
- 7010 MENÉNDEZ LEES, PEDRO, BERGERET, GUALBERTO, and ETCHANDY, A. M. Temperaturas de congelación en frutas del Uruguay. *Asoc. de Ingen. Agron. Rev.* 15: 17-24. Sept. 1943. 290.9 As73  
Report of studies made since 1934 on the freezing point of Uruguayan fruits, which are of value in dealing with problems of cold storage.
- 7011 MOORE, A. C. It pays you to store potatoes carefully. *Poultry [London]* 93: 324. Nov. 23, 1943. 47.8 P869
- 7012 NEHRLING, I. D. Storage of winter vegetables. *Amer. Cookery* 48(2): 31, 44-45. Oct. 1943. 389.8 B65
- 7013 NEUBERT, A. M. Effect of filtration on appearance, viscosity, and alcohol-insoluble fractions of apple juice. *Food Res.* 8: 477-488. Nov./Dec. 1943. 389.8 F7322
- 7014 PARKER, PAUL. Pitting olives against the future. *U. S. Farm Credit Admin. News for Farmer Co-op.* 10(9): 11, 23. Dec. 1943. 166.2 N47
- 7015 PRATT, A. N. One lot of apples may affect another in storage. *East. Fruit Grower* 6(10): 10-11. Dec. 1943. 80 Ea73  
First of two discussions printed here under the title: Apples in Storage.
- 7016 ROCKWELL, F. F. Check those Victory garden crops! *Home Garden* 2(6): 67. Dec. 1943. 80 H756  
Suggestions on storage of vegetables.
- 7017 SIEGEL, MAURICE. Three calcium compounds for canned tomatoes. *Food Packer* 25(1): 48-50. Jan. 1944. 286.83 C165
- 7018 THOMAS, W. C. F. Australia's dried fruits industry. *Australia To-day* 1943: 30. 280.8 Au72
- 7019 THORPE, JAMES. Devon cider harvest. *Country Life [London]* 94: 864-865. Nov. 12, 1943. 80 C83  
Describes the making of cider and the grades obtained.
- 7020 TRACE, L. H. Canned vegetables. Production methods and their control. Part 9. *Food* 12: 329-331. Dec. 1943. 389.8 F738
- 7021 U. S. WESTERN REGIONAL RESEARCH LABORATORY. Recovery of tartrates from grape wastes. *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 107-112. Dec. 1943. 389.8 F94
- 7022 VANDUYNE, F. O. How to assure top quality in your locker-stored fruits and vegetables. *Locker Operator* 5(5): 18, 45. Dec. 1943. 295.8 L79
- 7023 \*VASIL'EV, A. Nový způsob osakharivania kartofelja [A new method of sugaring potatoes]. *Sovkhoznoe Proizvodstvo* 2(3/4): 27. Mar./Apr. 1943.  
New method consists of adding 5 percent malt of barley, rye, or wheat to potatoes that have been cleaned and boiled.
- 7024 WOLFORD, E. R. Direct microscopic method to estimate sanitary history of frozen pack peas. *West. Canner and Packer* 35(13): 58. Dec. 1943. 286.83 W522

#### Statistics

- 7025 \*ESTIMATED acreages of vegetable crops, southern California, 1944, by quarter. *Los Angeles County [Calif.], Chamber Com. South. Calif. Crops* 19(11): L-V, processed. Nov. 1943. 252.09 L893S
- 7026 MONOGRAFÍAS comerciales: El camote. *Mex. Dir. de Econ. Rural. Bol. Mens.*, No. 211, p. 1313-1331. Dec. 1943. 254.5 Ag83  
Discussion, with statistics, of Mexican production, consumption, and trade, and world production and trade.
- 7027 OVERHOLSER, E. L., OVERLEY, F. L., and CROWLEY, D. J. The fruit industry in Washington. *Arboretum Bul.* 6(5): 14-17, 30, 32, 34, 36-38, 40. Sept. 1943. 451 Ar1  
Presents production statistics of various kinds of fruits and berries.
- 7028 QUARTERLY vegetable crop acreage report for southern California [Dec. 1942-Nov. 1943]. *Los Angeles County [Calif.], Chamber Com. South. Calif. Crops* 19(11): A-K, processed. Nov. 1943. 252.09 L893S  
Statistics by crops and counties.



## GRAIN AND GRAIN PRODUCTS

7020 \*AHLFELD, HUGO. Hafer im europäischen Ernährungshaushalt. Deut. Landw. Presse 70: 116. Mar. 27, 1943.

Figures given for area, size of production, yield, imports, and consumption.

7030 ANDERSON, J. A., AITKEN, T. R., and LEVI, I. Protein survey of western Canadian wheat, 1943 crop. Canada. Grain Res. Lab. Crop Bul. 11, 27 p. Ottawa, 1943. 59.9 C161P

7031 \*AUFHAMMER, G. Warum brauchen wir Kleberweizen? (To be concl.) Deut. Landw. Presse 70: 108-109. Mar. 27, 1943.

Baking research.

7032 BANK OF NOVA SCOTIA. The grains - a changed situation. Bank of Nova Scotia. Monthly Rev., v. 17, No. 11, 4 p. Sept./Nov. 1943. 280.9 B223

Discusses North American wheat supplies, the effects of United States feed demands, the new policy of the Canadian Government with regard to wheat, the problem of feed distribution, and the outlook.

7033 BLACK, A. G. Will the regional grain co-ops meet post-war problems? Co-op. Grain Quart. 1(1): 2-6. Fall 1943. 280.28 C7898

Problems of production and marketing.

7034 BLISH, M. J. The wheat flour proteins, determiners of baking quality. Bakers Digest 17 (6): 15, 24. Dec. 1943. 389.8 S11

7035 BRIGGS, GEO. Check your 1944 seed grains now! It's crop insurance that pays. Wis. Agr. and Farmer 71(1): 4. Jan. 1, 1944. 6 W751

7036 BROWN, H. L. Southern Rhodesian wheat production in 1942. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 503. Dec. 25, 1943. 286.8 C16

7037 CHANDLER, A. L. Analysis of regulations for flour subsidy payments. Mod. Miller 70(51): 11-12. Dec. 18, 1943. 298.8 M72

7038 CHILE finds new wealth in rice. Rice Jour. 46(12): 7-10, 19-20. Dec. 1943. 59.8 B36

7039 CONSUMPTION of grain products in the United States, 1935-43. U. S. Bur. Agr. Econ. Natl. Food Situation, Nov. 1943, p. 11-13, processed. 1.941 S2F73

7040 COTTON, R. T. Cool and dry grain cuts storage hazards. Co-op. Grain Quart. 1(1): 87-88. Fall 1943. 280.28 C7898

7041 DURHAM, R. K. Small wheat kernels in Federal grain standards. Mod. Miller 70(51): 21. Dec. 18, 1943. 298.8 M72

7042 FARNSWORTH, H. C. Wheat in the fourth war year: Major developments, 1942-43. Stanford Univ. Food Res. Inst. Wheat Studies 20(2): 37-96. Nov. 1943. 59.8 F73

A world survey, with statistics.

7043 GODWIN, F. W. Empleo industrial del maíz. (Concluded) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1619): 8, 23, 25-26. Oct. 9, 1943. 287 B866

On the utilization of corn for the manufacture of fuel.

7044 LEES, A. B. Grain drying needs supervision. Farmer and Stock-Breeder 57: 1788. Nov. 16, 1943. 10 F228

Report of opinions expressed at a gathering sponsored by the Newark [England?] Farmers' Union on the subjects of combine harvesting and grain drying.

7045 LLERAS RESTREPO, CARLOS. La situación económica y política de Colombia. Economista [Mexico] 10(115): 25-27. Dec. 1, 1943. 280.8 Ec793

Includes discussion of the question of wheat prices

7046 McCLUGGAGE, M. E. Factors influencing the pearling test for kernel hardness in wheat. Cereal Chem. 20: 686-700. Nov. 1943. 59.8 C33

7047 McLEOD, W. A. The Canadian wheat, pools. Northwest. Miller 216(13): 32. Dec. 29, 1943. 298.8 N81

7048 NESBITT, L. D. The wheat situation. West. Farm Leader 8: 372. Dec. 3, 1943. 280.28 W52

7049 \*OBERMULLER, F. P. Diagrammumstellung auf hoch ausgemahlene weizenmehl-typen. Deut. Mülerei, Heft 7, p. 67-68. July 2, 1943.

7050 O'BRIEN, P. R. The grain market picture--in retrospect and prospect. Mod. Miller 71(1): 10-11. Jan. 1, 1944. 298.8 M72

7051 ROMERO MANRIQUE, ALFONSO. Situación actual de la industria arrocería nacional. Rev. Nac. de Agr. [Bogotá] 37(471): 17-18. Sept. 1943. 9.4 R32

Includes statistical data on area cultivated, per hectare yields, production, number of consumers, and consumption of rice in Colombia by departments.

7052 RUIZ CARRANZA, EDUARDO. Notas sobre maíz. Rev. de Econ. [Mex.] 6(11): 31-32. Nov. 30, 1943. 280.8 R3293

The two parts of this article deal with the relationship between corn prices and prices of other commodities and Mexican production of corn and problems of importing it.

7053 SIBBITT, L. D., SCOTT, G. M., and HARRIS, R. H. A further comparison of flours obtained with the micro and Allis-Chalmers mills. Cereal Chem. 20: 679-685. Nov. 1943. 59.8 C33

7054 SWANSON, C. O. Chemistry for the operative miller. The protein determination in wheat and flour. Northwest. Miller 216(10, Sect. 2): 10a-11a. Dec. 8, 1943. 298.8 N81

Fifth in a series of articles.

7055 TANNER, WILLIAM. Cake flour; outlook with respect to its future supply. Bakers Digest 17(6): 21-24. Dec. 1943. 389.8 S11

Includes information on supply of and demand for soft red winter wheat.

7056 THATCHER, M. W. A single farmer's idea launched a co-op empire. Co-op. Grain Quart. 1(1): 32-38. Fall 1943. 280.28 C7898

History of cooperative grain marketing in the U. S.

7057 U. S. OFFICE OF PRICE ADMINISTRATION. Corn meal, corn flour, corn grits, hominy, hominy grits, brewers grits and other products made by a dry corn milling process. Fed. Register 8: 16790. Dec. 15, 1943. 169 F31

Maximum Price Regulation 305, Amend. 8.

7058 U. S. OFFICE OF PRICE ADMINISTRATION. Wheat. Fed. Register 8: 305-310. Jan. 7, 1944. 169 F31

Revised Maximum Price Regulation 487.

7059 VIVÓ, HUGO. Algunas consideraciones estadísticas sobre el problema del arroz en Cuba; estudio sobre la probabilidad matemática de obtener determinados rendimientos en las cosechas. Rev. de Agr. [Habana, Cuba] 26(23): 20-35. Sept./Oct. 1943. 8 Ag88Re

A statistical study of the Cuban rice market and yields of rice.

7060 WATSON, D. J. The salvage and decontamination of barley contaminated with persistent war gases. Inst. Brewing Jour. 49, n.s. 40: 303-306. Dec. 1943. 390.9 In7

7061 WHAT is back of flour subsidy? Government is prepared to spend millions to stabilize bread prices. GTA Digest 3(13): 9-10. Dec. 25, 1943. 280.28 G11

A table shows bread prices compared with total national income, 1913-1943.



## HONEY AND BEESWAX

- 7062 CLARIDGE, W. I. Beekeeping in the Bahamas. B. W. I. Gleanings Bee Cult. 72(1): 5. Jan. 1944. 424.8 G47

A survey of the industry including profitability, yields in honey, quality of honey, need for associations of beekeepers, and labor.

- 7063 KINSLEY, C. H. Bees help the war. Pacific Rural Press [North Ed.], 146: 317. Dec. 11, 1943. 6 P112

Also in Pacific Rural Press [South. Ed.], 146: 317. Dec. 11, 1943. 6 P112A

Chiefly on the uses of beeswax.

- 7064 LANDER, H. A. Problem of honey importation. Amer. Bee Jour. 83: 456. Dec. 1943. 424.8 Am3

- 7065 LANDER, H. A. A step backward. Amer. Bee Jour. 84(1): 15. Jan. 1944. 424.8 Am3

Inadequate marketing and distribution methods for honey.

- 7066 LYLE, N. I. Shallow frame comb honey production. Amer. Bee Jour. 84(1): 16-17. Jan. 1944. 424.8 Am3

Includes the need for a market survey by the producer considering production of shallow frame comb honey and economic factors to be considered.

See also Apiculture and Apis Mellifera in Entomology section.

## LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products.

- 7067 ARBOUR, M. B. Louisiana fast becoming a "natural" in the [beef] cattle industry. Coastal Cattleman 9(10): 17-18. Dec. 1943. 43.8 C63

- 7068 BENSON, ISABEL. The outlook for wool and lambs in 1944. N. Mex. Stockman 5(12): 11-12, 14. Dec. 1943. 49 N462

- 7069 BERNESFORD, REX. Cattle feeders--in war or in peace. Natl. Live Stock Prod. 22(4): 3. Jan. 1944. 280.35 N21

- 7070 BIRKETT, C. B. New Zealand meat production. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 489-490. Dec. 18, 1943. 286.8 C16

- 7071 BURDICK, R. T. Profits on lambs average \$1.89 per head in 1942-43; cattle average \$1.23 per head. Colo. Agr. Expt. Sta. Colo. Farm Bul. 5(5): 8-9. Nov./Dec. 1943. 100 C71S

Shows that changes in feed costs are at the root of changes in profits in recent years.

- 7072 CLAWSON, MARION. Range and livestock condition in relation to annual precipitation. American Cattle Prod. 25(8): 12, 14, 16, 18-19. Jan. 1944. 49 P94

- 7073 CRAMSIE, J. B. Improvement necessary if ever-growing demands for meat are to be met. Tasmanian Farmer 7(1): 7. Oct. 1943. 23 T186

Australia's meat supply situation.

- 7074 DINSMORE, WAYNE. Much ado about nothing. Tenn. Walking Horse Natl. Celebration. Blue Ribbon; Off. Year Book (1943) 5: 86. 42.8 B622

Probability that horse meat will not become popular for human consumption.

- 7075 DOWNEY, L. A. Revival of the pig industry in Australia. Victoria. Dept. Agr. Jour. 41: 494. Oct. 1943. 23 V66J

- 7076 EVANS, G. S. The beef muddle can be straightened out. Natl. Live Stock Prod. 22(3): 5. Dec. 1943. 280.38 N21

Criticizes Government regulation of the livestock and meat industry.

- 7077 FARR, H. W. Must continue to fight for meat against "faddists" and some arm-chair economists; meat board head warns. N. Mex. Stockman 8(12): 28-29. Dec. 1943. 49 N462

Describes promotional work for meat carried on by the National Livestock and Meat Board.

Also in Sheepman 14: 278-279. Jan. 1944. 45.8 Sh32

- 7078 FARR, H. W. The post-war outlook for meat. Butchers' Advocate 114(25): 11-12. Dec. 22, 1943. 286.85 B97

Also in West. Live Stock 29(7): 46-47. Jan. 1944. 49 W523; Coastal Cattleman 9(11): 10-11. Jan. 1944. 43.8 C63

- 7079 FARR, H. W. A synopsis on meat. American Cattle Prod. 25(8): 24-25. Jan. 1944. 49 P94

- 7080 HARDENBERGHE, WESLEY. War and our meat supply. Amer. Dietet. Assoc. Jour. 20(1): 15-17. Jan. 1944. 389.8 Am34

- 7081 LLOYD, D. J. The physical properties of leather. Internatl. Soc. Leather Trades Chem. Jour. 27: 246-270. Dec. 1943. 303.9 S012

- 7082 McKINNEY, D. C. We shall eat meat. California 33(12): 19, 34-36. Dec. 1943. 280.8 C12

The livestock and meat industry and prospective meat supply, with special reference to California.

- 7083 MOLLIN, F. E. The livestock industry in war time. Calif. Cattleman, Dec. 1943, p. 8. 43.8 C12

- 7084 MONTGOMERY, G. A. How far will hog cut go? Reports from competent observers in the field indicate that decline in pork production may exceed that requested by Government agencies. Capper's Farmer 55(1): 16. Jan. 1944. 6 M693

- 7085 MORRISSEY, W. J. The livestock situation. Sheep and Goat Raiser 24(3): 92. Dec. 1943. 45.8 Sh3

- 7086 MOTTA, J. F. DA. La grasa industrial de los mataderos modernos. Hacienda 38: 528-529. Dec. 1943. 6 H11

Describes the process used in slaughterhouses to obtain the animal fats, and to convert the residue into fertilizers and meat meal for animal feeding.

- 7087 NECESIDAD de fomentar la ganadería en México. Mex. Comisión de Coordinación Econ. Nac. Sec. Gen. Planificación Econ., No. 10, p. 1-7. Dec. 6, 1943. 280.8 P695

Discusses the causes of low production of livestock in Mexico and the measures needed to increase it. Credit is noted as the greatest need.

- 7088 RUSSELL, S. F. The livestock situation, from the farmer's viewpoint. Nation's Agr. 18(11): 7, 12. Dec. 1943. 280.82 B89

Also in Nation's Agr., Kans. Ed. 18(11): 7, 12. Dec. 1943. 280.82 B89

- 7089 SAWYER, J. L. Address of the president, California Wool Growers Ass'n. Calif. Cattleman, Dec. 1943, p. 10-11. 43.8 C12

Critical of Government control in the wool and livestock industry.

- 7090 SIERRA, C. F. Livestock and feed supplies. Ont. Farmer 31(8): 16. Dec. 15, 1943. 6 M764

## Distribution, Marketing, and Transportation

- 7091 AMERICAN MEAT INSTITUTE. Meat fights back! Amer. Hampshire Herdsman 18(12): 48-51. Dec. 1943. 46.8 Am33

Describes a promotional campaign planned for meat.

- 7092 BARCLAY, J. R. Marketing of fat cattle; new views emerging: Have auctions gone for ever? Farming News and North Brit. Agr. 95(50): 6. Dec. 3, 1943. 10 N82



7093 BARCLAY, J. R. Reforming cattle marketing Farmer & Stock-Breeder 57: 1918. Dec. 7, 1943.

10 F228

Cross-section of expert opinion.

7094 CLARK, R. L. The topsy turvy livestock market. Pacific Coop. Wool Grower, No. 126, p. 1, 5. Nov. 1943. 45.8 P11

7095 LUCAS, J. D. Veal and lamb patties can boost your meat profits. Prog. Grocer 28(1): 44-45, 72, 76. Jan. 1944. 286.83 P942

7096 PARVIN, D. W. The auction sales: important, growing livestock outlet. Miss. Farm Res. 6(12): 7. Dec. 1943. 100 M69M1

7097 POTTER, E. L. Trouble in the Northwest livestock markets. Natl. Wool Grower 33(12): 20-21. Dec. 1943. 45.8 N21N

7098 ROBERTSON, R. E. Money to the live stock man. O. A. C. Rev. 56: 86-87, 97. Nov. 1943. 276.8 On8

Marketing and distribution problems.

7099 SMITH, M. A. Need for work on lamb market problems. Natl. Wool Grower 33(12): 29. Dec. 1943. 45.8 N21N

7100 THOMPSON, S. H. Conserving livestock transportation. Iowa Farm Econ. 9(12): 12-13. Dec. 1943. 275.28 Io92

#### Grading, Inspection, Standardization, and Quality

7101 \*MULLER. Die zerlegung der schlachttiere vor der fleischschau. Deut. Tierärztl. Wehnschr. 51/49(3/4): 33. Apr. 24, 1943.

Discusses the question of how far the animal should be cut up prior to meat inspection, and the cases where it is necessary to more than quarter it.

7102 PEIRSON, E. M. Grading of pigs; its relation to the losses incurred from farm to consumer. New Zeal. Jour. Agr. 67: 257, 259-260. Oct. 15, 1943. 23 N48J

#### Prices, Price Control, and Rationing

7103 BULL, SLEETER. Point-free farm slaughter explained. Natl. Live Stock Prod. 22(4): 2. Jan. 1944. 280.38 N21

7104 HARDENBERGH, WESLEY. The cattle price stabilization plan. Butchers' Advocate 114(24): 12-13. Dec. 15, 1943. 286.85 B97

7105 LEWIS, L. H. Bulk quotations on slaughter cattle, in the Southeast, by grades and by months for 1939, 1940, 1941 and 1942. For Sale, Want and Exchange Bul. 1(7): 2. Jan. 1, 1944. 280.38 F74

7106 SEIFERT, H. A. "New order" conception of beef quality arrives in New Zealand. Stock and Land 33(43): 7. Oct. 27, 1943. 49 St63

Cattle prices are discussed.

7107 U. S. OFFICE OF PRICE ADMINISTRATION. Retail ceiling prices for pork cuts and certain sausage products. Fed. Register 9: 167-171. Jan. 5, 1944. 169 F31

Maximum Price Regulation 336, Amend. 10.

#### Processing and Storage

7108 DENNLER, F. J. El secado de cueros de potrillo. Campo [Buenos Aires, 27(322): 7. Aug. 1943. 9 C15

7109 DIETRICH, ARTURO. Industrias rurales: Curtimiento de pieles de conejo. Guatemala. Dir. Gen. de Agr. [Pub.] 573, 3 p. Guatemala, 1941. 31.6 G933

7110 DOHM, DANIEL, JR. Shaping or forming ground meat. Meat 19(7): 16. 30. Dec. 1943. 286.85 M464

7111 HICKEY, J. C. The importance to locker operators of correct curing of meat. Quick Frozen Foods 6(5): 46-47. Dec. 1943. 389.8 Q4

7112 HILBERT, F. L. The technology of tanning. Pt. 2--The art and science of leather making. Ch. 3--Beamhouse practice. (Cont.) Hide and Leather and Shoes 106(25): 26-27, 39. Dec. 11, 1943. 303.8 H53

7113 HILBERT, F. L. Upper leather for Army service shoes. Hide and Leather and Shoes 106(27): 13-14, 18-19, 27. Dec. 25, 1943. 303.8 H53

Vegetable retanning of leather is described.

7114 MERRY, E. W. War-time control in the tannery - Part V. Leather World 35: 812-814. Dec. 16, 1943. 303.8 L482

Methods of control in the tanning process.

7115 NEEL, L. R. Wartime farm butchering. South. Agr. 73(12): 9. Dec. 1943. 6 S833

Discusses butchering, curing, and refrigeration.

7116 QUEBEC. MINISTÈRE DE L'AGRICULTURE. Le tannage des peaux sur la ferme. Quebec. Min. de l'Agr. Cir. 133, 7 p., processed. n. p., 1943. 7 Q3C1

7117 REEDMAN, E. J., and BUCKBY, LEONARD. Investigations on the use of Irish moss in canning of meat. Canad. Jour. Res. Sect. D, Zool. Sci. 21: 348-357. Nov. 1943. 470 C16CD

7118 VALDIVIA, M. A. Intensifiquemos la cría de cerdos e industrialicemos sus productos. Rev. de Agr. [Dominican Republic, 34: 342-344. Jan./Feb. 1943. 8 R323

Conservation and utilization of pork.

7119 WATSON, M. A. The history and economics of cattlehide leather tanning. Ch. IV. The United States and world hide supplies. (Cont.) Hide and Leather and Shoes 106(25): 22, 24, 39-41; (26): 22-24; (27): 20-21. Dec. 11, 18, 25, 1943. 303.8 H53

Also in Shoe and Leather Rptr. 232(11): 8-9; (12): 20-21; 233(1): 24-25. (Cont.) Dec. 11, 18, 1943, Jan. 1, 1944. 303.8 Sh7

7120 WILSON, W. K. Keep these offals when preparing rabbits for market. Poultry Farmer [London, 109(2838): 8. Nov. 12, 1943. 47.8 F312

#### Statistics

7121 BAKER, O. E. Animais de criação e produtos da indústria animal nos Estados Unidos. Brazil. Min. da Agr. Bol. 32(1): 67-78. Jan. 1943. 9.2 Ag83

Gives figures on livestock production.

7122 CUNNINGHAM, RUSS. Prairie Farmer survey shows 60% more hogs in feed lots than year ago. Prairie Farmer 116(1): 1, 10. Jan. 8, 1943. 6 P883B

Statistics of slaughterings and hogs in feed lots.

#### OILS AND OILSEEDS

7123 ALTSCHUL, A. M., and others. The storage of cottonseed. II. The effect of ammonia treatment on the free fatty acids and color of the seed oil, and on the rate and degree of heating of the seed. Oil and Soap 20: 258-262. Dec. 1943. 307.8 J82

M. L. Karon, Lillian Kyame, and Maizie Caravella, joint authors.

7124 ANDERSEN, W. M. Fish oils supply need for feeding oils. Flour & Feed 44(8): 18. Jan. 1944. 298.5 F66

7125 BAILEY, A. E., and others. Antioxygenic properties of molecularly distilled fractions of peanut oil. Oil and Soap 20: 251-255. Dec. 1943. 307.8 J82

G. D. Oliver, W. S. Singleton, and G. S. Fisher, joint authors.

7126 BARBA G., EDUARDO. Monografía sobre aceites vegetales. Rev. de Agr. [Dominican Republic, 34: 348-351. Jan./Feb. 1943. 8 R323

A study of vegetable oils processing which offers possibilities for the Dominican Republic. Deals particularly with the chemistry and processing of corn and rice oils.



- 7127 BOTTIS, R. R. An analysis of the variation in peanut yields in North Carolina and Georgia. *Peanut Jour. and Nut World* 23(2): 21-22, 46. Dec. 1943. 77.8 P313
- 7128 CLAY, H. J. Shortage of containers and labor restricting potential excellent demand for peanut products. *Peanut Jour. and Nut World* 23(2): 19-20. Dec. 1943. 77.8 P313
- 7129 GOBECIA S. A. INDUSTRIAL, COMERCIAL. La soja. (To be cont.) Buenos Aires, Argentina. *Bolsa de Cereales. Rev.* 37(1621): 6-7, 23, 25, 26, 28; (1622): 26-30. Oct. 23, 30, 1943. 287 B866
- Cultivation and yields, advantages of growing, amount of production in the United States and in Argentina, and costs of production of soybeans.
- 7130 GUENTHER, ERNEST. Oil of German chamomile. *Chemurg. Digest* 2: 196-198. Nov. 30, 1943. 381 N213Na
- 7131 GUENTHER, ERNEST. Oil of Roman chamomile. *Chemurg. Digest* 2: 206-207. Dec. 15, 1943. 381 N213Na
- 7132 GUENTHER, ERNEST. A survey of American and European peppermint oils. Part III. *Mfg. Confectioner* 23(12): 19-20. Dec. 1943. 389.8 M31
- 7133 GUENTHER, ERNEST. A survey of oil of opopanax. *Amer. Perfumer and Essential Oil Rev.* 45(12): 49-50. Dec. 1943. 308.8 Am3
- 7134 KIRBY, AMOS. The cotton cow still fights for share of Jersey milk market. *Moos* 4(5): 9, 11. Dec. 1943. 44.8 M78
- Competition between oleomargarine and butter.
- 7135 MALTAS, K. J. Soybean and oil meal production. *Grain & Feed Jours. Consolidated* 91: 484-485. Dec. 8, 1943. 298.8 G762
- A statistical survey of production, noting diversion of beans to southern mills and distribution of oil meal.
- 7136 MARSICO, D. F. Situación de la República Argentina como consumidora y productora de aceite de oliva. Buenos Aires, Argentina. *Bolsa de Cereales. Rev.* 31(1619): 30-32. Oct. 9, 1943. 287 B866
- Includes figures for the number of olive trees in the various provinces.
- 7137 MILNER, MAX, and others. The viability, chemical composition and internal microflora of frost damaged soybeans. *Oil and Soap* 20: 265-268. Dec. 1943. 307.8 J82
- Benj. Warshowsky, I. W. Tervet, and W. F. Geddes, joint authors.
- 7138 OLIVER, FRED. Vegetable oil production to be increased in 1944. *Cotton and Cotton Oil Press* 44(26): 17. Dec. 18, 1943. 304.8 C822
- 7139 PARSONS, L.B. Laboratory refining and bleaching test for the commercial evaluation of the better quality tallows and greases for soap making. *Oil and Soap* 20: 256-257. Dec. 1943. 307.8 J82
- 7140 PRINDEVILLE, C. T. The use of soybean oil in 1944. *Soybean Digest* 4(2): 4-5. Dec. 1943. 60.38 So9
- Probable utilization of the 1943 crop.
- 7141 STREETER, C. P. Oil mills lead new-type rural industry. *Farm Jour. and Farmer's Wife* 68(1): 20-21. Jan. 1944. 6 F2212
- 7142 U. S. OFFICE OF PRICE ADMINISTRATION. Cottonseed oil meal, cake, sized cake and pellets; cottonseed hulls and hull bran; and whole pressed cottonseed. *Fed. Register* 9: 203-206. Jan. 6, 1944. 169 F31
- Revised Maximum Price Regulation 444.
- 7143 VECHSLER, M. J. Oilseed cultivation in Chile. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 506. Dec. 25, 1943. 286.8 C16
- Production statistics.
- POULTRY AND POULTRY PRODUCTS
- 7144 ANDERSON, F. C. Egg marketing in Australia. Wartime changes. *Poultry Farmer [Sydney]* 11(3): 5-7. June 19, 1943. 280.28 Or32
- 7145 BENNETT, B. H. The outlook for turkey production for 1944. *Turkey World* 19(1): 7, 54-55. Jan. 1944. 47.38 T84
- 7146 BERGER, W. C. Must balance poultry production in 1944 with available feed supplies, says WFA. *Poultryman* 13(21): 1, 2. Dec. 24, 1943. 286.85 P86
- 7147 BLAKE, R. C. Commonwealth control of surpluses only. A system which could not work. *Poultry Farmer [Sydney]* 11(4): 3-5. June 26, 1943. 280.28 Or32
- 7148 BLAKE, R. C. Commonwealth wide egg marketing control. *Poultry Farmer [Sydney]* 10(51): 3-4. May 22, 1943. 280.28 Or32
- 7149 BLAKE, R. C. What Commonwealth egg marketing control has achieved. *Poultry Farmer [Sydney]* 11(12): 3-5. Aug. 21, 1943. 280.28 Or32
- 7150 BRUCE, W. H. Commonwealth control of egg marketing. *Poultry Farmer [Sydney]* 10(50): 6-9; (52): 9-10, 11. May 15, 29, 1943. 280.28 Or32
- 7151 BRUCE, W. H. Pool deduction and cool store loss. *Poultry Farmer [Sydney]* 10(50): 4-6. May 15, 1943. 280.28 Or32
- Storage losses in connection with the marketing program in New South Wales.
- 7152 BRUCE, W. H. What of the future of the Australian poultry industry? *Poultry Farmer [Sydney]* 10(51): 5-6. May 22, 1943. 280.28 Or32
- The same subject is dealt with under the same title in the *Poultry Farmer [Sydney]* 10(52): 3-5, May 29, 1943.
- 7153 CAVERS, J. R. 1944 Board egg prices assure stable market for production period. *Weekly Market News & Mod. Farmer [Winnipeg]* 22(1): 4. Jan. 5, 1944. 286.81 G762A
- 7154 CHISICK, STEVEN. Questions and answers on ceilings. OPA presents more information and interpretations. *Turkey World* 18(12): 10-11, 44-47. Dec. 1943. 47.38 T84
- 7155 DEMKE, A. H. Why advertise eggs and poultry? *Pacific Poultryman* 47(11): 4. Dec. 1943. 47.8 P113
- 7156 ENGEL, L. L. Meat, muddles and money. *U. S. Egg & Poultry Mag.* 49: 538-539, 569-570. Dec. 1943. 286.85 E3
- 7157 FARNSWORTH, MRS. HENRY. Looking ahead to 1944. *Kans. Farmer* 81(1): 15. Jan. 1, 1944. 6 K13
- Discusses the prospects of the poultry industry.
- 7158 FITZGERALD, D. A. Where do turkeys stand? *Turkey World* 18(12): 9, 47-48. Dec. 1943. 47.38 T34
- Notes effect of feed deficit on turkey production. A table gives suggested production goals for livestock and poultry for 1944.
- 7159 FLOREA, J. H. Outlook for '44. *Poultry Tribune* 50(1): 9. Jan. 1944. 47.8 P8642
- Deals with the production of eggs and poultry.
- 7160 FLOREA, J. H. What's next in dried eggs? *Poultry Tribune* 50(1): 12-13, 40, 41, 42, 43. Jan. 1943. 47.8 P8642
- Present situation and future prospects.
- 7161 HANKE, O. A. Associated Poultry and Egg Industries is new super organization created to unify and strengthen industry. *Hatchery Tribune* 17(12): 45. Dec. 1943. 47.8 H28
- 7162 HARRISON, ROBERT. A reply to Messrs. Blake and Bruce. *Poultry Farmer [Sydney]* 11(5): 6-7. July 3, 1943. 280.28 Or32
- On the egg marketing controversy in Australia.



7163 HARTMAN, R. C. Egg and poultry consumption after the war. Everybody's Poultry Mag. 48(11): 8-9, 23-25. Dec. 1943. 47.8 F213P

7164 HELM, H. C. International Baby Chick Association; committee attacks chick transportation problem. Hatchery Tribune 17(12): 16-17. Dec. 1943 47.8 H28

7165 HOOD, E. J. Canned chicken is delicious. Poultry & Rabbit Monthly 12(1): 5-6. Jan. 1944. 47.8 P8654

7166 JOHNS, C. K. The bacterial content of shell eggs. Food in Canada 3(12): 15-16. Dec. 1943 389.8 F7323

7167 KRIESEL, H. C. Uncle Sam wants 32 millions in '44. Turkey World 18(12): 14-15, 42-44. Dec. 1943. 47.38 T84

7168 PEARCE, J. A., THISTLE, M. W., and REID, MARGARET. Dried whole egg powder. VIII. An improved fluorescence method and some factors affecting the measurement. Canad. Jour. Res. Sect. D, Zool. Sci. 21: 341-347. Nov. 1943. 470 C16CD

7169 PENNISTON, VIRGINIA, and HEDRICK, L. R. Use of germicide in wash water to reduce bacterial contamination on shell. U. S. Egg & Poultry Mag. 50(1): 26-27, 47-48. Jan. 1944. 286.85 E3

7170 THE PRODUCTION and consumption of poultry products in the United States, 1909-40. U. S. Bur. Agr. Econ. Natl. Food Situation, Nov. 1943, p. 13-17, processed. 1.941 S2F73

7171 SNELL, GEORGE. The turkey situation: improved. U. S. Food Distrib. Admin. Market. Activ. 6(10): 13, processed. Oct. 1943. 1.942 ASM34

7172 U. S. OFFICE OF PRICE ADMINISTRATION. Eggs and egg products. Fed. Register 8: 16999. Dec. 21, 1943. 169 F31

Maximum Price Regulation 333, Amend. 19.

7173 U. S. OFFICE OF PRICE ADMINISTRATION. Poultry. Fed. Register 8: 16793-16794. Dec. 15, 1943. 169 F31

Revised Maximum Price Regulation 269, Amend. 21.

7174 WILLSON, R. F. Poultry inspection in the city of Detroit. Amer. Vet. Med. Assoc. Jour. 103: 364-366. Dec. 1943. 41.8 Am3

7175 WILMARTH, J. E. Fly tyers' feathers. Northeast. Poultryman 37(5): 30-31. Nov. 15, 1943. 47.8 N44

7176 WOOLAM, E. B. Connecticut agriculture; the turkey bottleneck. Conn. Circle 6(12): 16-17. Dec. 1943. 280.8 C7632

Criticizes Government regulations affecting the turkey industry.

7177 ZAGAEVSKY, J. S., and LUTIKOVA, P. O. Sanitary measures in the egg breaking plant. U. S. Egg & Poultry Mag. 50(1): 17-20, 43-46. Jan. 1944. 286.85 E3

#### RUBBER AND RUBBER SUBSTITUTES

7178 BREUER, F. W. Review of the German patent literature relating to synthetic rubber. (To be concl.) Rubber Age 54: 229-234. Dec. 1943. 305.8 R82

7179 CAMARGO, F. C. Exploração extrativa da borracha. Brasil. Min. da Agr. Bol. 31(10): 3-18. Oct. 1942. 9.2 Ag83

Problems of rubber extraction in the Amazon region. The author suggests changes in the uneconomic system of making rubber and the colonization of the "alto sertão" in order to increase production.

7180 CASTAÑEDA B., MAURICIO. Grandes industrias: Hule, un material estratégico. Guatemala. Dir. Gen. de Agr. [Pub.] 528, 24 p. Guatemala, C. A., 1941. 31.6 G933

Discussion of the rubber industry, including chemistry, vulcanization, demand, production in various countries as compared with Brazil, rubber substitutes, and the chemistry of synthetic rubber.

7181 COHAN, L. H., and MYERSON, B. C. Effect of small amounts of guayule rubber on GR-S compounds. Rubber Age 54: 235-237. Dec. 1943. 305.8 R82

7182 LISKA, J. W. Advances in rubber during 1943. Rubber Age 54: 238-242, 245. Dec. 1943. Ref., p. 241-242, 245. 305.8 R82

7183 \*\*MARSHUTZ, H. S. Rubber from the desert. Geogr. Mag. 16: 256-264. Sept. 1943. Listed in Current Geogr. Pubs. 6(8, i. e. 9): 276. 241.6 Am3

7184 SYPHER, A. H. Plastic rubber's growing pains. Nation's Business 32(1): 42, 44, 46, 48, 50. Jan. 1944. 286.8 N212

7185 TOMLINSON, H. J. Rubber - at a price; transportation barriers, disease, labor and supply shortages slow production in Beni region of Bolivia. Inter-American 3(1): 11-13. Jan. 1944. 280.8 In85

#### SEEDS

7186 CASEY, J. E. Ark. sorghum regulations clarified - they differ from those of Georgia. South. Seedman 6(12): 22-23, 34. Dec. 1943. 61.8 S08

Sale of sorghum seed under Arkansas Seed Law.

7187 COLLINS, WILKIE, JR. New opportunities for seedsmen in grass seed market. At least twenty-five newly "discovered" grasses have commercial possibilities. Seed World 54(12): 10-13. Dec. 17, 1943. 61.8 Se51

7188 DAVIDSON, W. A. Variety names. Mod. Miller 71(1): 22-23. Jan. 1, 1944. 298.8 M72

Discusses loose use of variety names for seed by the commercial seed trade.

7189 DIETRICK, L. B. The vegetable seed situation. Va. Fruit 31(12): 10, 12. Dec. 1943. 81 V81B

Supply, demand, handling, and labeling of seed.

7190 DOUGLASS, JOHN. The harvesting and threshing of cucurbit seed. Agr. Gaz. N. S. Wales 54: 499-500, 516. Nov. 1, 1943. 23 N472

7191 FAUGHT, M. C. Seeds at war. Mod. Packaging 17(4): 80-81. Dec. 1943. 309.8 M72

7192 KANSAS. STATE BOARD OF AGRICULTURE. Agricultural seed. Kans. State Bd. Agr. Rpt. 62(256): 1-32. Aug. 1943. 2 K13Re

The Kansas seed law and its administration.

7193 SCHRADER, C. H. Proper seed labeling important. Minn. Seed Grower 19, i. e. 16(6): 5. Dec. 1943. 61.8 M66

7194 WILSON, LANE. Merchandising of seeds in wartime; fair deal for customer; courtesy, competency, quality remembered. South. Florist & Nurseryman 56(12): 5-6. Dec. 17, 1943. 80 S086

#### SUGAR AND SIRUPS

7195 AMARAL, RUBENS DO. As rotas do açúcar. Brasil Açucareiro 22: 151. Aug. 1943. 65.8 B73

Reprinted from the Folha da Manhã, São Paulo, June 6, 1943.

Sugar transportation problems in Brazil.



- 7196 ASOCIACIÓN JAMAÍQUINA DE TECNÓLOGOS AZUCAREROS. Economías en tiempo de guerra en el ingenio azucarero. Hacienda 38: 526-527. Dec. 1943. 6 H11
- 7197 BECHARD, R. M. Survey of pan boiling practice in the South African sugar industry. So. African Sugar Technol. Assoc. Proc. (1943) 17: 36-40. 65.9 So83
- 7198 CAMINHA FILHO, ADRIÃO. A lavoura e a indústria açucareira na Bahia. Brasil Açucareiro 22: 120-124. Aug. 1943. 65.8 B73
- A study of the sugar industry of Bahia, Brazil, and its problems, including factors influencing cost of production, soil conditions, labor techniques, and mill output.
- 7199 CASANOVA, J. M. La situación azucarera de Cuba. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 17-18. 281.3659 C89
- 7200 DAVIES, J. G., and YEARWOOD, R. D. E. Use of low density milk with prolonged stirring. Internatl. Sugar Jour. 45: 317-319. Dec. 1943. 65.8 In8
- Use of milk-of-lime in sugar technology.
- 7201 DODDS, H. H., and DU TOIT, J. L. Eighteenth annual summary of chemical laboratory reports. From South African sugar factories. Season 1942-1943. So. African Sugar Technol. Assoc. Proc. (1943) 17: 5-22. 65.9 So83
- 7202 ESTRADA, ANDRES. Fermentación alcohólica por el procedimiento de "reprise" de la levadura. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2(9): 163-168. Nov. 1943. 65.9 As5B
- 7203 FARR & CO. El buen vecino de los Estados Unidos. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 19-20. 281.3659 C89
- Cuban sugar policy.
- 7204 FOWLIE, P., and ALMOND, F. L. Ninth progress report on experiments at Umfolozi. So. African Sugar Technol. Assoc. Proc. (1943) 17: 66-71. 65.9 So83
- Sucrose yields per acre of different varieties of sugarcane.
- 7205 GOLODETZ, M. & CO. Necesidad de expertos azucareros en la post-guerra. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 20. 281.3659 C89
- 7206 GUERRERO, FERNANDO. Sugar: an essential commodity. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 26-28. 281.3659 C89
- Considers sugar as a food and as an industrial raw material.
- 7207 HEBERT, A. J. Solving a shipping problem. Hawaii Farm and Home 6(12): 10-11. Dec. 1943. 25 H3191
- Bulk handling of Hawaiian sugar.
- 7208 IAKUSHKIN, I. V. O solnechnoi, vozdukhnoi i smeshannoi suшке svelyi. Combined sun- and air-drying of sugar beets. Lenin Acad. Agr. Sci. U. S. S. R. Proc. 7(11/12): 13. 1942.
- 7209 LAMBORN AND CO., INC. La protección del corredor de azúcar en Cuba. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 20-21. 281.3659 C89
- 7210 LÓPEZ FERRER, F. A. Las declaraciones de Mr. Braden constituyen un programa. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2(9): 161-163. Nov. 1943. 65.9 As5B
- Reports Spruille Braden's comments on the future of the Cuban sugar industry.
- 7211 LOWRY & CO., INC. Análisis de la situación azucarera. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 21-22. 281.3659 C89
- 7212 MATO, G. E. Sugar and national defense. Crown 32(12): 9-11, 28. Dec. 1943. 389.8 C88
- 7213 MAZE, W. J. The sugar industry maintains production. Hawaii Farm and Home 6(12): 5, 37. Dec. 1943. 25 H3191
- 7214 MOBERLY, G. S. New table for use with Jackson and Gillis method of sucrose determination. So. African Sugar Technol. Assoc. Proc. (1943) 17: 48-50. 65.9 So83
- 7215 NEW ASPECTS of Mexico's sugar situation. Based on report from the American Embassy, México, D. F. Weekly Statist. Sugar Trade Jour. 67: 447-448. Dec. 9, 1943. 65.8 W41
- Production and consumption of sugar and production of alcohol from sugar are discussed.
- 7216 O'BRIEN, C. H. Sugar. Australia To-day 1943: 31-35. 280.8 Au72
- An account of the Australian sugar industry. Notes food value of sugar.
- 7217 PEDROSA FUERTAS, RAFAEL. Clarificación de jugos. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 153-159. Nov. 1943. 65.9 As5B
- A study of the factors entering into the problem of cane juice clarification.
- 7218 \*PORTUGAL. MINISTÉRIO DA ECONOMIA. DIRECÇÃO GERAL DOS SERVIÇOS AGRÍCOLAS. A beterraba sacarina; resultados dos ensaios culturais, económicos e analíticos realizados em 1941. Portugal. Min. da Econ. Dir. Ger. dos Serv. Agr. Sér.: Estudos e Inform. Téc., No. 17, 98 p. Lisboa? 1942.
- A study of sugar beet and sugar production in Spain is followed by a report of Portuguese experiments in the cultivation of sugar beets, with details of sugar content of different varieties and costs of production.
- 7219 REGO, COSTA. A quota canavieira no Estado do Rio. Brasil Açucareiro 22: 72. July 1943. 55.8 B73
- Reprinted from the Correio da Manhã, Rio, June 5, 1943.
- 7220 ROACH, D. J. The 1943 sugar beet crop. Through the Leaves 31(6): 3-5. Nov.-Dec. 1943. 66.8 T41
- 7221 RODRIGUEZ, J. H. O Brasil na "Historia do açúcar", de E. O. von Lippmann. (Cont. and to be cont.) Brasil Açucareiro 22: 61-67, 95-100. July-Aug. 1943. 65.8 B73
- 7222 SUGAR control in India. Indian Inform. 13: 194. Oct. 15, 1943. 280.8 In25
- Distribution control.
- 7223 U. S. OFFICE OF PRICE ADMINISTRATION. Molasses. Fed. Register 8: 38-39. Jan. 1, 1944. 159 F31
- Revised Supplemental Regulation to General Maximum Price Regulation, Amend. 42.
- 7224 U. S. OFFICE OF PRICE ADMINISTRATION. New ceiling prices on syrup and edible molasses. Sugar Bul. 22(6): 41, 42. Dec. 15, 1943. 65.9 Am32
- 7225 U. S. OFFICE OF PRICE ADMINISTRATION. Raw cane sugars. Fed. Register 8: 16991. Dec. 21, 1943. 169 F31
- Revised Price Schedule 16, Amend. 8.
- 7226 U. S. OFFICE OF PRICE ADMINISTRATION. Sugar rationing regulations. Fed. Register 8: 16846-16855. Dec. 16, 1943. 169 F31
- Ration Order 3, Amends. 105 and 108; Amend. 107 in Fed. Register 8: 16997. Dec. 21, 1943; 10th Rev. Zoning Order 1 in Fed. Register 9: 172-173. Jan. 5, 1944.
- 7227 U. S. WAR PRODUCTION BOARD. Molasses. Fed. Register 8: 16979-16981. Dec. 21, 1943. 169 F31
- Conservation Order M-54, as amended Dec. 20, 1943.
- 7228 VIGER, M. Clarification of Natal sugar-cane juices without the aid of sulphur; some factory and laboratory trials. So. African Sugar Technol. Assoc. Proc. (1943) 17: 41-44. 65.9 So83



## TOBACCO

- 7229 CHAMBER OF COMMERCE OF PUERTO RICO. From depression to prosperity in Puerto Rico for 1943-4. Tobacco 117(27): 14-15. Dec. 30, 1943. 286.89 T562  
Deals with the tobacco industry.
- 7230 IGNACE, J. F. Short crop of tobacco in Maryland bound to increase prices next year, growers say. U. S. Tobacco Jour. 141(2): 18. Jan. 8, 1944. 286.89 Un3
- 7231 INOLAN, SERAFIN. Improvement of the island conditions object of Puerto Rican tobacco association. Tobacco 117(27): 17, 28. Dec. 30, 1943. 286.89 T552
- 7232 KUHN, W. R. What a tobacco auctioneer says. Banking 36(6): 39-41. Dec. 1943. 284.8 Am3  
Includes brief sketch of tobacco cultivation, curing, and financing by banks.
- 7233 MANZANO, M. A. Apuntes sobre la química de los tabacos para cigarrillos. (Cont.) Rev. de Agr. [Dominican Republic] 34: 326-328. Jan./Feb. 1943. 8 R323
- 7234 MENDEZ, J. B. Mendez outlines cooperation in Puerto Rican tobacco marketing. Tobacco 117(27): 16. Dec. 30, 1943. 286.89 T552
- 7235 OVER 3 million dollars spent in propaganda by Cuban commission. Tobacco 117(27): 19-21. Dec. 30, 1943. 286.89 T552  
By "Havana Perfecto".  
Work of the National Commission for the Propaganda and Defense of Cuban Tobacco.
- 7236 ROJAS, ANTONIO. Sweet, mild leaf is the 1944 goal of Puerto Rican tobacco planters. Tobacco 117(27): 9-10. Dec. 30, 1943. 286.89 T552
- 7237 SMITH, THEODORE. Cuba's tobacco industry hits former stride. Tobacco Leaf 80(4115): 46. Jan. 1, 1944. 286.89 T557
- 7238 TUGWELL, R. G. Prospects of the recovery in Puerto Rico for 1944. Tobacco 117(27): 7-8. Dec. 30, 1943. 286.89 T552  
Deals with the Puerto Rican tobacco industry.

## MISCELLANEOUS PRODUCTS

- 7239 ARONOVSKY, S. I., NELSON, G. H., and LATHROP, E. C. Agricultural residue pulps - bleaching studies on straw pulps. Paper Trade Jour. 117(25): 38-48. Dec. 16, 1943. 302.8 F196
- 7240 HARLAN, J. D. The New York State hop industry in 1943. Farm Res. [N. Y. State Sta.] 10(1): 1, 18. Jan. 1, 1944. 100 M48A
- 7241 IPPISCH, FRANZ (HIJO). Raíz de derris; planta insecticida, importante para su cultivo en Guatemala. Guatemala. Dir. Gen. de Agr. [Pub.] 576, 23 p. Guatemala, 1941. 31.6 G933  
Discusses history, cultivation, preparation of the root, utilization, and prices.
- 7242 KOONCE, S. D. An investigation of the constituents of carnauba wax. Ohio State Univ. Abs. Doctoral Diss., No. 42, Spring quarter 1942/43, p. 55-63. Columbus, 1943. 241.8 Oh3
- 7243 U. S. OFFICE OF PRICE ADMINISTRATION. Hops. Fed. Register 9: 286. Jan. 7, 1944. 169 F31  
Revised Maximum Price Regulation 279, Amend. 2.

## GENERAL

- 7244 AUSTRALIAN INSTITUTE OF AGRICULTURAL SCIENCE. QUEENSLAND BRANCH. Post-war rural reconstruction. Austral. Inst. Agr. Sci. Jour. 9: 105-111. Sept. 1943. 23 Au74  
Recommendations relating to land settlement, rural public works, and rural industries.
- 7245 BARROS, JAIME DE. Escravos da terra. Brasil Açucareiro 22: 73-75. July 1943. 65.8 B73  
Reprinted from O Jornal, Rio, June 6, 1943.  
Traces the steps leading up to the promulgation of the Brazilian Cane Cultivation Statute, which deals with the economic and social problems of sugarcane production.
- 7246 BRADY, R. A. Degree of Government control needed in the post-war domestic economy to maintain a high plane of living. West. Farm Econ. Assoc. Proc. (1943) 16: 153-163, processed. 280.83 W52  
Discussion by V. P. Timoshenko, p. 164-168.
- 7247 CUNNINGHAM, RUSS. A F B F American Farm Bureau Federation takes vigorous stand on farm issues. Ohio Farmer 192(12): 5, 15. Dec. 18, 1943. 6 Oh3  
Among topics discussed are food subsidies, price ceilings, and farm labor.
- 7248 DÍAZ RODRÍGUEZ, JUSTO. Política agraria y colonización. Tierras y Aguas 5(55/56): 3-62. July/Aug. 1943. 282.8 T44  
A survey of the urban and rural population of Colombia and population movements is followed by an examination of the country's land tenure legislation and problems of colonization.
- 7249 DÓRIA DE VASCONCELOS, HENRIQUE. Viagem de inspeção ao Norte. Rev. de Imigr. e Colon. 3(2): 96-140. Aug. 1942. 282.28 R32  
Includes the agricultural situation and rural living conditions and labor in Brazil. Anexo II is a report by Hugo Forman on rubber in the Rio São Francisco basin, including quality and tapping methods, cost of production and transportation.
- 7250 ELLIS, H. S. Form and degree of international economic cooperation in the postwar world. West. Farm Econ. Assoc. Proc. (1943) 16: 169-176, processed. 280.83 W52  
Discussion by J. S. Davis, p. 177-179, and by H. S. Ellis, p. 180-181.
- 7251 HUSTON, B. T. Mixed farming, coal, oil put southern Alberta on sounder postwar basis. Canad. Grocer 57(24): 8, 10. Dec. 15, 1943. 286.83 G162  
Notes the favorable agricultural situation.
- 7252 MUIR, JOHN. Is industry as efficient as farming? Farmer and Stock-Breeder 57: 1799. Nov. 16, 1943. 10 F228  
Criticizes the cheap food argument as a means of subsidizing industrial inefficiency at the expense of the British farmer.
- 7253 N. F. U. and Chamber of Agriculture of Scotland post-war agricultural policy. Scot. Farmer 51: 1190-1191. Dec. 4, 1943. 10 Sco8  
The "greater part" of the Memorandum issued by the National Farmers' Union and Chamber of Agriculture of Scotland. Subjects include trade, marketing and distribution, land tenure, labor housing, education, credit, research, and nutrition.  
Also in Farming News and North Brit. Agr. 95(50): 8-9, Dec. 3, 1943, with title: An Outline of Post-war Policy - Scottish N. F. U. Proposals. (10 N82)



7254 NYBROTEN, NORMAN. Research in progress in agricultural economics and rural sociology in the West. West. Farm Econ. Assoc. Proc. (1943) 16: 182-214, processed. 280.83 W52

7255 ROY, J. B. Possibilités de la betterave à sucre dans Québec. Bul. des Agr. 39(12): 12-13. Dec. 1943. 7 B872

Points out that the soil, climate, and yields are favorable to sugar-beet production in Quebec Province, that no additional labor problem is created since most of the work is done by machine, and that financial returns to the producer are good.

7256 HUDOLPH, W. E. Agricultural possibilities in northwestern Venezuela. Geog. Rev. 34(1): 36-56. Jan. 1944. 500 Am35G

Discusses regions of potential development, climate and soils, crops, soil erosion, markets, communications, and health.

7257 SMITH, E. C. War effort demands realistic production and price programs. Ill. Agr. Assoc. Rec. 21(12): 8-11, 27-30. Dec. 1943. 6 I162

Problems and interests of farmers with observations on price ceilings, labor, and wages.

7258 WELLMAN, H. R. Issues in agricultural economics research in wartime. West. Farm Econ. Assoc. Proc. (1943) 16: 21, processed. 280.83 W52

A list of questions submitted for discussion. Discussion by R. M. Turner and E. F. Landerholm, p. 22-25.

7259 WILLARD, R. E. The democratic process in war and peace. West. Farm Econ. Assoc. Proc. (1943) 16: 7-11, processed. 280.83 W52

Discussion by Paul A. Eke, p. 12-14.

Brings out the importance of popular participation in policy development and the use of committees and councils in arriving at mutual understanding.

#### AGRICULTURAL FINANCE

##### Credit

7260 BAILEY, C. W. The country banker and food production. Amer. Inst. of Banking. Bul. 25(4): 6-7. Oct. 1943. 284.9 Am3

Financing and promoting crop production.

7261 BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A. Notas sobre el crédito agrícola en Estados Unidos; crédito y subsidios, crédito y pequeña propiedad. Mex. Dir. de Econ. Rural. Bol. Mens., No. 211, p. 1332-1335. Dec. 1943. 254.5 Ag83

7262 DOLZ, ENRIQUE. El Banco de Colonos. Tierra Libre 7(12): 4. Dec. 1943. 8 T443

Describes the activities of a Farmers' Bank which has been established in Cuba as a result of efforts by the Asociación de Colonos de Cuba. Extension of credit will be one of its fields.

7263 FARM lending; bankers' experience in this field of credit. South. Banker 82(1): 14-16, 48-50. Jan. 1944. 284.9 So8

7264 GARRARD, W. M. Mr. Garrard's survey [Government cotton loan program]. Staple Cotton Rev. 21(12): 2-4. Dec. 1943. 72.8 St22

7265 KLINGE, GERARDO. Comparaciones del crédito agrícola en México y el Perú. (To be cont.) Economista (Mexico) 10(115): 35-36. Dec. 1, 1943. 280.9 Ec793

7266 PENA, M. T. DE LA. El fracaso del crédito agrícola en México. Rev. de Econ. (Mex.) 6(11): 29-31. Nov. 30, 1943. 280.8 R3293

7267 TELLER, W. M. A farmer looks at the U. S. D. A. Country Book 3(3): 58-62. Winter 1944. 6 C836

On the importance of the work of the Farm Security Administration.

7268 U. S. BUREAU OF AGRICULTURAL ECONOMICS. Agricultural Finance Review, v. 6, 95 p., processed. Nov. 1943. 1.9 Ec78Af

In addition to the signed articles which have been entered separately in this bibliography, this publication has unsigned notes and articles on the situation for the farm real estate debt, farm real estate holdings of institutional lenders, number of farm mortgages, bankruptcies, and credit.

##### Income

7269 BOWLES, CHESTER. Address... before annual meeting Grocery Manufacturers Assn. pleading for tolerance and help of all against inflation. Rice News 11(1): 5-6, 15. Nov. 1943. 59.8 R362

Touches upon farmers' prices and farm income.

7270 DICKINS, DOROTHY. Minimum income needed by farm family estimated at \$1225. Miss. Farm Res. 6(12): 2. Dec. 1943. 100 M69M1

7271 JOHANNSSEN, W. S. How's the farmer doing? Impl. & Tractor 49(1): 22-23. Jan. 1, 1944. 58.8 W41

Discusses farm income and farm wages.

7272 WAITE, W. C. Farm income in Minnesota. Minn. Univ. Agr. Ext. Farm Business Notes, No. 252, p. 1-2. Dec. 23, 1943. 275.29 M663

7273 WAITE, W. C. Minnesota farm income hits new high. Pt. I-II. Markets 11(46): 8; (47): 4. Dec. 30, 1943, Jan. 6, 1944. 280.38 M343

7274 WATSON, A. N. Wartime incomes and consumer markets. Jour. Market. 5: 231-237. Jan. 1944. 280.38 J82

Discussion of farmers' purchasing power, p. 235-236.

##### Insurance

7275 BOTTS, R. R. Experience with wheat and cotton crop insurance. U. S. Bur. Agr. Econ. Agr. Finance Rev. 6: 31-34, processed. Nov. 1943. 1.9 Ec78Af

7276 DOBB, MAURICE. Social insurance in the Soviet Union. Soviet Russia Today 12(9): 10, 32-33. Jan. 1944. 280.8 So89

Agricultural wage earners are included in the plan.

7277 LARSEN, H. C. Agricultural investments of insurance companies. U. S. Bur. Agr. Econ. Agr. Finance Rev. 6: 19-20, processed. Nov. 1943. 1.9 Ec78Af

Preliminary findings of a study on the amount, composition, and distribution of these investments.

7278 THE OUTLOOK for crop insurance; effort made to provide funds to keep wheat policies in effect. GTA Digest 3(13): 21-23. Dec. 25, 1943. 280.28 G11

7279 VALGREN, V. N. Wartime conservation activities of farmers' mutual fire insurance companies. U. S. Bur. Agr. Econ. Agr. Finance Rev. 6: 9-12, processed. Nov. 1943. 1.9 Ec78Af

##### Taxation

7280 ABRAHAMSEN, M. A. [Orchard] tree depreciation--for taxation. Mountaineer Grower 14(149): 5-9. Dec. 1943. 80 M86

7281 DYER, B. W., & CO. La eliminación de barreras y de impuestos al azúcar en la post-guerra. Cuba Econ. y Financ. An. Azucarero de Cuba 1943: 18-19. 281.3659 C89

7282 FEDERATION OF TAX ADMINISTRATORS. Recent trends in State revenues. Fed. Tax Administrators. Res. Rpt. 16, 34, xxi p., processed. Chicago, Ill., 1943. 284.59 F31

Tobacco taxes, and alcoholic beverage taxes, p. 23-29, x-xxi.

7283 \*ILKMEYER, S. N. Türkiye vergi sisteminde hayvanlar vergisi. Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 127, 88 p. Ankara, 1943. Taxation of livestock.



7284 ISAAC, G. J. Income taxes and the farmer. U. S. Bur. Agr. Econ. Agr. Finance Rev. 6: 1-8, processed. Nov. 1943. 1.9 Ec78A<sup>f</sup>

7285 MILES, G. A. Federal income taxes for farmers is [sic] explained. Peninsula Broiler Jour. 3(15): 1, 3. Dec. 6, 1943. 47.8 P37

7286 PAUST, L. J. Income tax soaks farmer. Prairie Farmer 116(1): 21. Jan. 8, 1943. 6 P883B

7287 ROBERTS, ARTHUR. An accountant suggests how to make a report of your income tax. Hatchery Tribune 17(12): 15, 31-33. Dec. 1943. 47.8 H28

7288 SHOULD taxes on oleo be retained? Debate between N. C. Williamson and M. K. Swanton, Coop. Digest 4(7): 34-35. Jan. 1944. 280.28 G7891

7289 WISCONSIN. DEPT. OF TAXATION. Wisconsin's general property taxes. Wis. Dept. Taxation. Bul. 119, 21 p., processed. Madison, 1943. 252.97 T19B  
Includes statistics by counties on acreages and assessed valuations of farming land.

#### AGRICULTURAL LABOR AND WAGES

7290 ADKISON, N. B. Must maintain farm labor supply; a statement of policy affecting agricultural workers in Idaho. Idaho Farmer 62(1): 5. Jan. 6, 1944. 6 G282

7291 \*BOHME, C. Mechanisierung, Löhne und Gesamtarbeitsaufwand. Mitt. f. die Landw. 58: 488-489. June 19, 1943.

Farm mechanization as a means of saving labor costs by increasing the worker's productivity.

7292 BOND, G. E. Rhode Island's labor "farmy." R. I. State Col. Ext. Serv. Better Rural Life 4(12): 3. Dec. 1943. 275.29 R34B

Programs to relieve the farm labor shortage.

7293 BURGESS, D. S. The Joeds--still out of luck. New Repub. 110: 46-48. Jan. 10, 1944. 280.8 N

The plight of the migrant farm workers has not been improved by the war.

7294 \*CALGÜNER, CEMIL. "Die landwirtschaftlichen Arbeiter in der Türkei." Ankara. Yüksel Ziraat Enstitüsü. Arbeiten, Heft 132, 63 p. Ankara, 1943. Ref.

Abridged from the Turkish text.

Discusses types and classes of agricultural workers, systems of payment, and problems of agricultural labor.

7295 CLARK, C. C. No help needed thank you. Country Gent. 114: 17, 36, 38. Jan. 1944. 6 C883

Farm labor relations on the Clark Ranch in the Yakima Valley, Washington.

7296 ENGEL, S. A. Use the head to save the feet. Minn. Univ. Agr. Ext. Farm Business Notes, No. 252, p. 3. Dec. 23, 1943. 275.29 M663

Labor efficiency in farming in Minnesota.

7297 FELLMAN, DAVID. How Canada has eased its farm-labor shortage. U. S. Dept. Com. Foreign Com. Weekly 13(13): 5, 30. Dec. 25, 1943. 157.54 F763

7298 FULLER, VARDEN. Should farm wages be regulated? West. Farm Econ. Assoc. Proc. (1943) 16: 107-113, processed. 280.83 W52

Discussion by W. H. Smith, p. 114-119.

7299 HAMILTON, W. M. A survey of the dairy industry in New Zealand. V. Dairy-farm labour. New Zeal. Jour. Sci. and Technol. 24: 223A-268A. Feb. 1943. Ref. 514 M48

Deals in part with labor and wages, capital and cost of production, and rural life.

7300 \*HEIDEMANN. Größere Arbeitsleistung beim Kartoffellegen. Deut. Landw. Presse 70: 113. Mar. 27, 1943.

Labor organization in potato planting.

7301 HIGGINS, HAL. "Labor is worthy"--if equipped to earn: it's hire! Rice Jour. 46(12): 13-16. Dec. 1943. 59.8 R36

Rice labor in California.

7302 HIGHT, H. S. Mexican nationals aid walnut harvest; San Joaquin local [of California Walnut Growers Association] operates labor camp. Diamond Walnut News 26(1): 6. Jan. 1944. 94.68 D34

7303 HOLMES, W. Looking backward -- and forward. Land Worker 24(295): 1-2. Dec. 1943. 283.8 L22

Rural trades unionism in England.

7304 \*JANETZKI, C. Erprobte Rapsernteverfahren. Mitt. f. die Landw. 58: 502-503. June 26, 1943.

System of labor organization for cutting rape.

7305 LEADLEY, TOM. Apprentice farmers; young men may start as hired hands and wind up as landowners. Nebr. Farmer 86(1): 5. Jan. 1, 1944. 6 N27

Describes operations of the project at Litchfield Park, Arizona.

7306 LLOYD, E. W. The seven-day-a week job in the dairy. Field 182: 570. Nov. 27, 1943. 10 F45

Labor problems on the dairy farm.

7307 NICHOLSON, W. D. 46 Mexican nationals--and cooperation. Through the Leaves 31(6): 41-42. Nov./Dec. 1943. 66.8 T41

Mexicans as agricultural laborers.

7308 PICKETT, J. E. Arizona apprentice farmers. Pacific Rural Press [North. Ed.], 146: 302. Dec. 11, 1943. 6 P112

Also in Pacific Rural Press [South. Ed.], 146: 302. Dec. 11, 1943. 6 P112A

7309 ROBINSON, J. L. Labish Celery Growers Cooperative Association, replaces evacuated Japanese. U. S. Farm Credit Admin. News for Farmer Co-op. 10(9): 7, 10. Dec. 1943. 166.2 N47

Filipinos and migrants from Missouri and Oklahoma carry on with celery production at Brooks, Oreg.

7310 \*SCHUBERTH, HELMUT. Die Arbeitsverhältnisse in der Landwirtschaft in betriebsstatistischen Darstellungen. Deut. Landw. Presse 69: 377, 378, 388. Oct. 3, 10, 1942.

Study of factors affecting labor needs on the farm.

7311 SMITH, P. B. Italian prisoners leave humorous record of beet field experience. Through the Leaves 31(6): 36-37. Nov./Dec. 1943. 66.8 T41

Italian prisoners as agricultural laborers.

7312 SMITH, W. P. Training men for their jobs. Calif. Cult. 90: 636, 637. Dec. 11, 1943. 6 C12

Tells about the use of the job instruction training program in California agriculture.

7313 TETREAU, E. D. Farm labor picture [in Arizona, Dec. 1, 1943]. Ariz. Farmer 22(25): 10, 12 13. Dec. 4, 1943. 6 Ar44

#### Women

7314 BALL, E. M. W. L. A. proficiency tests reflect the master's interest. Farmer & Stock-Breeder 57: 1960. Dec. 14, 1943. 10 F228

The tests were initiated in September 1943.

7315 \*R., E. Frauen erhalten Hof und Volk; eine Würdigung der Arbeit und Leistung der Landfrau. Landesbauernschaft Weser-Ems. Wchnbl. 90: 210. Apr. 17, 1943.

7316 THEY ALSO serve; Australian Women's Land Army. Poultry Farmer [Sydney] 11(15): 13-17. Sept. 11, 1943. 280.28 Or32

#### Youth

7317 HAMMETT, C. T. "They worked right smart." Camping Mag. 15(7): 2-5, 19. Dec. 1943. 280.68 C15  
Report of farm work by city youth in vacation camps during the crop season of 1943.



7318 \*KOCH, HERM. Nachwuchs für den melkerberuf. Landesbauernschaft Bayern. Wchnbl., Ausg. A. 133(23); 331A. June 5, 1943.

On the shortage of trained milkers.

7319 SENN, P. H. How high school youths can work for victory in field and grove. Citrus Indus. 25(1): 8-9. Jan. 1944. 80 C49

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

7320 ADAMS, G. E. To meet our 1944 goals. Prog. Farmer, Okla.-Tex. Ed. 59(1): 12. Jan. 1944. 6 T311

7321 \*AGRICULTURA de las Islas Canarias. Sindicato Nac. de Frutas y Prod. Hort., Madrid. Bol. 1(3): 88-92. Aug. 1942.

7322 \*ALBRECHT, G. Die wirtschaftliche leistung und leistungsfähigkeit der deutschen kolonien. Jahrb. f. Natl. Ökon. u. Statis. 155: 603-620. June 1942.

Describes the agricultural productivity of the German colonies in Africa.

7323 \*ALMEIDA, C. R. M. DE. As hortas abastecedoras de Lisboa. Portugal. Min. da Econ. Dir. Ger. dos Serv. Agr. Ser.: Estudos e Inform. Tec., No. 19, 19 p. Lisboa, 1942.

Description of the region supplying garden products to Lisbon and its agriculture and the problems involved in agricultural development.

7324 ALVARADO MORALES, C. Lo que nos dijo don Elías Jiménez Rojas sobre política agrícola. Agr. Costarricense 1(1): 9-10. June 1943. 8 Ag895

7325 ALVAREZ ROJAS, F. E. Antecedentes relativos a los estudios de provisión de agua potable a las localidades del Valle Superior de Río Negro. (Cont. and to be cont.) Argentina. Min. de Obras Púb. Bol. de Obras Sanit. de la Nación 7: 208-218. Sept. 1943. 449.8 B63

Describes the agriculture of the Upper Río Negro Valley, including communications, the system of irrigation, productive capacity of the land, size of holdings, problems of the fruit industry, and land values.

7326 ANNAN, J. S. The Gold Coast colony. Scot. Geog. Mag. 59: 55-59. Oct. 1943. 472 Sco8

Brief discussion of agriculture included.

7327 ARCHIBALD, E. S. The Canadian Northwest. C. S. T. A. Rev. [Canada], No. 39, p. 5-11, 48. Dec. 1943. 7 C167C

Includes discussion of agriculture, agricultural settlement, and soils of the region.

7328 BATTLES, O. V. The land of Argentina. West. Livestock Jour. 22(7): 36, 40. Dec. 15, 1943. 6 F2278

Brings out Argentina's farming wealth.

7329 BELMONTE, E. F. La política agraria y el agrarismo político. Economista [Mexico], 10(116): 37-38. Dec. 16, 1943. 280.8 Ec793

7330 BELMONTE, E. F. Un viaje del Presidente Ubico a San Martín Xilotepeque. Economista [Mexico], 10(116): 11-13. Dec. 1, 1943. 280.8 Ec793

Describes how some of Guatemala's agricultural problems were dealt with in a visit of President Ubico to San Martín Xilotepeque, and indicates parallels between Mexican and Guatemalan agriculture.

7331 BONNER, J. C. Genesis of agricultural reform in the Cotton Belt. Jour. South. Hist. 9: 475-500. Nov. 1943. 134.8 J82

History of reform movement inaugurated and carried forward by the Hancock Planters' Club, of Hancock County, Ga., during the two decades preceding the Civil War.

7332 BRACKEN, JOHN. A new charter for Canadian agriculture. Farm and Ranch Rev. 39(12): 8, 16. Dec. 1943. 7 F223

Summary of an address. Deals with measures necessary to obtain equality for the farmer in the economy.

7333 BRITISH ASSOCIATION FOR INTERNATIONAL UNDERSTANDING. British Commonwealth and Empire. 1. North African region. Brit. Survey 5(7): 35-38. 1943. 280.8 B77

Includes plans for the improvement and development of native agriculture in East Africa.

7334 BUTLER, H. A. Good neighbors, poor farmers. Farm Jour. 68(1): 19. Jan. 1944. 6 F2212

A description of the agricultural and food situation in Latin America, noting that the amount of food produced is inadequate, farming methods are backward, and that transportation facilities should be developed.

7335 CHEW, A. P. Which way now? Land 3(1): 33-38. Summer 1943. 277.8 L22

Sketch of recent agricultural policy in the United States.

7336 CLARK, J. M. El Oro comes back. Pan American 4(7): 23-26. Dec. 1943. 280.8 P192

Program for the rehabilitation of El Oro in Ecuador. Notes the crops which are being produced.

7337 COOPER, J. F. Meet your farm production goal by planning. Fla. Grower 51(12): 5, 8. Dec. 1943. 80 F6622

Farm problems and crops in demand are discussed.

7338 COSTA, H. P. DA, and MARQUES, J. DE O. Questions, answers and further information concerning the admittance into Brazil of foreigners in the capacity of farmers. Rev. de Imigr. e Colon. 2(2/3): 955-975. Apr./July 1941. 282.28 B32

Contains numerous data on prices of land and agricultural products to be grown in various States of Brazil, wages of agricultural laborers, cost of production of sugarcane, corn, cotton, alfalfa, and wheat, and prices of essential foods.

7339 CRANE, C. C. War agricultural committees and the poultry farmer. Farmer and Settler 37(41): 10. Nov. 12, 1943. 23 F226

The War Agricultural Committee organization of New South Wales and its importance to the poultry farmer.

7340 DAVIS, J. S. Food as an implement of war; the responsibilities of farmers. Stanford Univ. Food Res. Inst. War-Peace Pam. 3, 20 p. Stanford University, Calif., 1943. 280.9 L532

7341 DEERING, FERDIE. Oklahoma agrees on long-time farm objectives. Farmer-Stockman 57(1): 1, 2. Jan. 1944. 6 OK45

Program approved by the Oklahoma agricultural organizations and agencies at a meeting in Oklahoma City, Dec. 16, 1943.

7342 FIRE. DEPT. OF AGRICULTURE. Notes on the Emergency Powers (No. 234) Order, 1942, relative to cultivation of land in 1943. Fire. Dept. Agr. Spec. Leaflet 24, 4 p. n. p., 1942. 10.5 Ir42S

The order provides that occupiers of five or more acres of arable land shall cultivate in 1943 at least one-fourth of this land.

7343 FIRE. DEPT. OF AGRICULTURE. Notes on the Emergency Powers (No. 296) Order, 1943 (compulsory tillage for 1944). Fire. Dept. Agr. Spec. Leaflet 27, 4 p. n. p., 1943. 10.5 Ir42S

The order provided that occupiers of five or more acres of arable land shall in 1944 cultivate at least three-eighths of this land.

7344 EMEY, BROOKS. Mainsprings of world politics. Foreign Policy Assoc. Headline Ser., No. 42, 94 p. Oct. 20, 1943. 280 Em33

Includes the economic factor in foreign policy, with brief discussion of the agrarian nations.



7345 FARM outlook for 1944. U. S. Bur. Agr. Econ. Agr. Situation 27(11): 2-20. Nov. 1943.

1 Ec7Ag

7346 FARSON, NEGLEY. How U. S. S. R. farms re-captured land. Poultry Farmer [Sydney] 11(9): 27-29. July 31, 1943. 280.28 Or32

7347 FELLMAN, DAVID. Canadian hinterland of the Alaska Highway - What resources exist - What trade potentialities? U. S. Dept. Com. Foreign Com. Weekly 13(12): 3-7, 28. Dec. 18, 1943. 157.54 F763

The uncertainty of the future of agriculture in the region is brought out.

7348 FIGUEROA, I. L. Imperiosa necesidad de una revisión en la política agraria. Economista [Mex.] 10(116): 7-9. Dec. 16, 1943. 280.8 Ec793

Suggests a six-point land and agricultural policy for Mexico.

7349 FROTA, E. H. Farming in Brazil; a good neighbor describes conditions in his native land. Nebr. Farmer 86(1): 26. Jan. 1, 1944. 6 N27

7350 GRAHAM, I. D. No war let-down. Kans. Farmer 81(1): 1, 9. Jan. 1, 1944. 6 K13

Describes program for the seventy-third annual meeting of the State Board of Agriculture, at Topeka, January 12 to 14, 1944.

7351 GRANADOS G., RAÚL. Orientación agrícola. Agr. Costarricense 1: 82-83. July 1943. 8 Ag895

Introduction to a study of Costa Rican agriculture which is to begin in the following issue.

7352 GRIMES, W. E. What 1944 promises for Kansas agriculture. Kans. Farmer 81(1): 5. Jan. 1, 1944. 6 K13

7353 GUSLER, GILBERT. The farm outlook for 1944; favorable under wartime prices, but long-range plans should be considered. Ohio Farmer 193(1): 5, 15. Jan. 1, 1944. 6 Oh3

Also in Farmer 62(1): 6, 15. Jan. 1, 1944 (6 F2211) under title: 1944 Farm Income Should Remain High; but There Will Be More Unevenness and Uncertainty than in 1942-43.

7354 HARGREAVES, J. E. A miracle of production. Farmer's Mag. 40(12): 12, 50-51. Dec. 1943. 7 G165

Wartime agricultural production in Great Britain.

7355 HASSLER, V. R. Wanted! An extra 16 million acres in vital war crops in 1944. Farm for Victory, Dec. 1943, p. 4. 281.8 F226

7356 HUDSON, R. S. The Minister of Agriculture's address at Leeds. London Corn Cir. 100(99): 5. Dec. 10, 1943. 286.81 L84

Deals with agricultural policy and prices.

7357 HUDSON, R. S. Minister of Agriculture's address to the Council of Agriculture. London Corn Cir. 100(101): 5, 6. Dec. 17, 1943. 286.81 L84

On the British agricultural situation and policy.

7358 HUNGARIAN policy. Economist [London] 145: 746-747. Dec. 4, 1943. 286.8 Ec7

Includes agriculture and agricultural policy.

7359 HURST, B. R., and others. Wartime changes on farm front. OTA Digest 3(13): 37-42. Dec. 25, 1943. 280.28 G11

A. G. Nelson, A. L. Stewart, and E. R. Ahrendes, joint authors.

A review of the agricultural situation, including crop acreages and livestock production.

7360 HUTCHESON, T. B. Yes, Virginia will do it! Prog. Farmer, Car.-Va. Ed. 59(1): 11. Jan. 1944. 6 P945

"Shows how 1944 crop goals can and will be met."

7361 JACOBS, E. T. Agriculture in Jamaica. O. A. C. Rev. 56: 79-80, 128. Nov. 1943. 276.8 On8

7362 JOHNSON, S. S. Food production policies in wartime. West. Farm Econ. Assoc. Proc. (1943) 16: 80-91, processed. 280.83 W52

Discusses the pattern of food needs, economical sources of food nutrients, the pattern of food production, and programs to obtain maximum production.

Discussion by S. v. Ciriacy-Wantrup, p. 92-95.

7363 KLINGE, GERARDO. La agricultura mexicana. (To be cont.) Economista [Mexico] 10(116): 31-33. Dec. 16, 1943. 280.8 Ec793

A general review of Mexican agriculture, crops produced, and crop yields is followed by a survey of the cotton industry.

7364 KRAMER, L. H. Florida's wartime agricultural situation. Citrus Indus. 25(1): 5, 13, 16. Jan. 1944. 80 Ch9

7365 M., W. W. Agriculture and industry. Planters' Chron. 38: 424-426. Oct. 23, 1943. 22 P683

Future trends in Great Britain.

7366 MACKAY, BENTLEY. Agrarians of old. Land 3(1): 12-16. Summer 1943. 277.8 L22

Sketch of the agrarian revolt in the South in the late 19th century, led by Tom Watson and the Farmers' Alliance.

7367 MALIN, J. C. Mobility and history: reflections on the agricultural policies of the United States in relation to a mechanized world. Agr. Hist. 17: 177-191. Oct. 1943. 30.98 Ag8

7368 MERGER, R. D. Planning next year's crops. Mont. Farmer 31(8): 10. Dec. 15, 1943. 6 M764

7369 MYERS, W. I. Agricultural production and price policy. Acad. Polit. Sci. New York, Proc. 20: 406-416. Jan. 1944. 280.9 Acl

7370 MYERS, W. I. The food situation. Land 3(1): 27-32. Summer 1943. 277.8 L22

Criticism of national food policy and suggestions for improvement.

7371 NEEL, L. E., and RANKIN, KIRK, JR. Why Britain did not starve. (Cont.) South. Agr. 73(12): 10, 22. Dec. 1943. 6 So83

Wartime agriculture and agricultural policy in Great Britain.

7372 NEILAN, M. A. Arabia - Royal visits, war strategy, questions of OIL, trade-route factors, turn world businessmen's eyes toward the ancient, picturesque peninsula. U. S. Dept. Com. Foreign Com. Weekly 13(10): 3-9, 33-34. Dec. 4, 1943. 157.54 F763

Includes discussion of the country's agriculture.

7373 ORVIN, O. S. Agriculture and the war stimulus. Assoc. Spec. Libr. and Inform. Bur. Rpt. of Proc., 17th Conf., 1942, p. 37-40. 243.9 As72

Contrasts pre-war and post-war agriculture in Great Britain.

7374 PINHEIRO MACHADO, DULPHE. Relatório de uma viagem de inspeção através do nordeste em maio de 1942. Rev. de Imigr. e Colon. 3(2): 27-95. Aug. 1942. 282.28 E32

Includes report of rural conditions and the agricultural situation in Brazil and outlines a scheme for assistance to the people of the Northeast.

7375 POPE, J. P. Horticultural possibilities of the Tennessee Valley; factors point to growth; industrial development means increased demand. South. Florist & Nurseryman 56(12): 3-4. Dec. 17, 1943. 80 So86

7376 POUND, F. J. A bird's eye view of agriculture in Colombia. Agr. Soc. Trinidad and Tobago. Proc. 43: 191, 193, 195, 197, 199, 201, 203. Sept. 1943. 8 T73

Describes Government policy.

7377 REYES C., CARLOS. Orientación agrícola. Agr. Costarricense 1(1): 15, 17. June 1943. 8 Ag895

Brings out the agricultural situation in Costa Rica and the policy to be followed in dealing with it. Suggests farming on a cooperative basis.



- 7378 ROOSEVELT, F. D. Major objective of U. S. agricultural program is efficient food production. Victory Bul. 4(31): 27-28. Nov. 1943. 280.8 V663
- 7379 RUSSELL, SIR JOHN. Agricultural developments in the U. S. S. R. Nature [London] 152: 525-526. Nov. 6, 1943. 472 N21
- Describes the collective farming system and modifications in it under the Constitution of 1936.
- 7380 SCHMIDT, C. B. Aspectos da vida agricola no Vale do Paraitinga. Sociologia 5(1): 35-55. 1943. 281.2 S014
- A description of the agriculture, including tenure, crops and livestock, labor, and occupations of the women and children.
- 7381 SILVA, R. M. DA. As relações do Ministério da Agricultura com o lavrador. Brazil. Min. da Agr. Bol. 31(9): 25-35. Sept. 1942. 9.2 Ag83
- On the organization and work of the Brazilian Ministry of Agriculture and its relation to the farmer.
- 7382 \*\*SOHN, F. Aufgaben und probleme der französischen landwirtschaft. Germany. Reichsmin. f. Ernährung u. Landw. Ber. über Landw. 28(1): 129-165. 1942.
- Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 56, June 16/Sept. 15, 1943. 280.9 L474L
- 7383 STAPLEDON, SIR R. G. The problem of the hill farm. Country Life [London] 94: 766-767. Oct. 29, 1943. 80 C83
- "A Four-Year Plan for Agriculture - I."
- 7384 SULLIVAN, LAWRENCE. Scraping the bottom of the [food] bin. Nation's Business 32(1): 25-26, 89-91. Jan. 1944. 286.8 N212
- Criticism of wartime agricultural and food policy in the United States, and an estimate of agricultural prospects for 1944.
- 7385 TIMOSHENKO, V. P. The agrarian policies of Russia and the wars. Agr. Hist. 17: 192-210. Oct. 1943. 30.98 Ag8
- Survey of policies since 1861.
- 7386 TOWNSEND, M. C. Food goals for 1944 and feed problems. Grain & Feed Jours. Consolidated 91: 467. Dec. 8, 1943. 298.8 G762
- 7387 \*V SOVMARKOME SSSR i TSK VKP(b). O gosudarstvennom plane rozvitiia sel'skogo khoziaistva na 1943 god [About the Government's plan of developing agriculture in 1943]. Sovkhoznoe Proizvodstvo 2(3/4): 1-9. Mar./Apr. 1943.
- 7388 VARELA MARTÍNEZ, RAÚL. Acción agraria. Rev. Nac. de Agr. [Bogotá] 37(471): 27-28, 36. Sept. 1943. 9.4 R32
- Suggests a program for Government aid to Colombian agriculture.
- 7389 VECHSLER, M. J. Cultivation of medicinal plants in Chile. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 492. Dec. 18, 1943. 286.8 C16
- Brief description of the program to develop production of medicinal plants.
- 7390 VIEIRA, J. A. Ação do Ministério da Agricultura no quinquênio 1938-42. Brazil. Min. da Agr. Bol. 31(11): 21-37. Nov. 1942. 9.2 Ag83
- Describes Government agricultural policy in Brazil.
- 7391 VIEIRA, J. A. Construindo nos sertões a prosperidade da Baía. Brazil. Min. da Agr. Bol. 31(9): 59-66. Sept. 1942. 9.2 Ag83
- Account of a trip through Bahia, Brazil, showing the agricultural development of the region.
- 7392 WATKINS, D. W. Ten New Year hints for farmers. Prog. Farmer, Car.-Va. Ed. 59(1): 1, 43. Jan. 1944. 6 P945
- Discusses mechanization of agriculture, fertilizers, production of corn, potatoes, and grain.
- 7393 WATSON, J. A. S. Canadian farming in wartime. C. S. T. A. Rev. [Canada], No. 39, p. 13-15, 17-20. Dec. 1943. 7 C167C
- Describes the farming systems, wartime adjustments in production of wheat, feed grains and forage crops, oilseeds, high protein feedingstuffs and bacon, the labor problem, and post-war problems.
- 7394 WELCH, F. J. Mississippi's agricultural production goals for 1944 call for increased acreage. Miss. Agr. Expt. Sta. Miss. Farm Res. 6(11): 1, 8. Nov. 1943. 100 M69M1
- Agriculture, Post-War
- 7395 BARR, G. W. Agriculture's tomorrow. Ariz. Farmer 22(25): 8, 15. Dec. 4, 1943. 6 Ar44
- Post-war planning for Arizona agriculture.
- 7396 BEELER, M. N. Making ready for the crash. Capper's Farmer 55(1): 7, 34. Jan. 1944. 6 M693
- 7397 CHRISTENSEN, C. L. Agriculture's position in our post-war economy. Farm Impl. News 64(26): 18-20. Dec. 23, 1943. 58.8 F22
- 7398 COMMISSION TO STUDY THE ORGANIZATION OF PEACE. British business associations on post-war reconstruction. Comm. to Study the Organ. of Peace. Bul., v. 2, No. 12, 16 p. Dec. 1942. 280.9 C735
- Summarizes reports on post-war reconstruction of the Association of British Chambers of Commerce, the London Chamber of Commerce, the Federation of British Industries, the Federation of Master Cotton Spinners' Associations, and the Institute of Export. Recommendations for agriculture are included.
- 7399 COMMISSION TO STUDY THE ORGANIZATION OF PEACE. Statements on agricultural reconstruction; bibliography on post-war reconstruction; supplement. Comm. to Study the Organ. of Peace. Bul., v. 3, No. 1/2, 24 p. Jan./Feb. 1943. 280.9 C735
- Contains statements by Sir E. J. Russell, Dr. Brancko Cubrilović, F. L. McDougall, Dr. Rudolf Bicanic, P. Lamartine-Yates, Dr. W. Klatt, M. B. Gerritsen, Margaret Digby, and H. E. M. Anders Fjelstad, made at the conference on European agriculture held by the British Association for the Advancement of Science.
- 7400 \*\*EHLERT, F. O. Möglichkeiten der spanischen landwirtschaft im rahmen der wirtschaftlichen neuordnung Europas. Germany. Reichsmin. f. Ernährung u. Landw. Ber. über Landw. 28(4): 556-629. 1943.
- Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 57, June 16/Sept. 15, 1943. 280.9 L474L
- 7401 HUSTON, B. T. Northern Alberta merchants look ahead with confidence. Canad. Grocer 58(1): 14-15, 23. Jan. 1, 1944. 286.83 C162
- Points out that farming is considered to be the most important future industry in northern Alberta.
- 7402 KIRK, L. E. Objectives of post-war reconstruction in Saskatchewan. C. S. T. A. Rev. [Canada], No. 39, p. 22, 24-25. Dec. 1943. 7 C167C
- Includes the problem of agricultural surpluses and the cultural and social life of rural communities.
- 7403 \*KRANTZ, KARL. Die spanische landwirtschaft im wiederaufbau. Mitt. f. die Landw. 58: 512-514. June 26, 1943.
- 7404 PAWLEY, W. H. The economic background to post-war agricultural reconstruction. Austral. Inst. Agr. Sci. Jour. 9: 97-102. Sept. 1943. 23 Au74
- Presents the thesis that the bases for post-war agricultural prosperity are world trade, full employment and adequate nutrition, since agriculture is only part of the wider economy.
- 7405 REYNOLDS, CLIFTON. "Forward," not "back" to the land. Field 182: 579. Dec. 4, 1943. 10 F4f
- Urges changes in the size of farms and the application of scientific methods to agriculture as principles for post-war farming policy.



7406 TENNANT, J. L. Agriculture must plan now for post-war adjustments. R. I. State Col. Ext. Serv. Better Rural Life 4(12): 1, 4. Dec. 1943. 275.29 R34B

7407 WHITE, LEIGH. Mexico's president looks at us. Sat. Evening Post 216(26): 12-13, 48-49. Dec. 25, 1943. 110 S

Incorporates the Mexican President's ideas on the post-war development of his country's agriculture and industry.

7408 WILL farmer 'plow it under' again? What will happen to food surpluses when the war is over? GTA Digest 3(13): 35-36. Dec. 25, 1943. 280.28 G11

7409 X. H. & A. S. memorandum. Scot. Farmer 51: 1163. Nov. 27, 1943. 10 Sco8

Summarizes the post-war agricultural program offered by the Highland and Agricultural Society of Scotland.

#### Subsidies

7410 BARR, G. W. Prices vs. subsidies as incentives to production of essential products in the war effort under an anti-inflation policy. West. Farm Econ. Assoc. Proc. (1943) 16: 26-32, processed. 280.83 W52

7411 BRANDT, JOHN. Farmers can do the job themselves. Land O'Lakes News 23(12): 8-12. Dec. 1943. 44.8 L22

Opposes consumer subsidies.

7412 BROWNLEE, O. H., and JOHNSON, D. G. Food subsidies in relation to inflation. Iowa Farm Econ. 9(12): 14-16. Dec. 1943. 275.28 Io92

7413 FLEMING, D. F. "Must we have inflation?"; subsidies needed to hold down cost of food. Vital Speeches of the Day 10: 148-149. Dec. 15, 1943. 280.8 V83

7414 GERRARD, JIM. The consumer-subsidy joker. Com. Bul. 58(41): 9. Dec. 31, 1943. 389.8 C736  
Cites figures to show that the food distributor will pay the cost of food subsidies.

7415 GREEN, WILLIAM. Subsidies. Amer. Federationist 50(12): 6-8. Dec. 1943. 283.8 Am

7416 GREENE, S. H. Comparative effect of price and subsidies on food production. West. Farm Econ. Assoc. Proc. (1943) 16: 38-40, processed. 280.83 W52

7417 HARPER, F. A. Subsidies. (An outline of the question, together with some references and viewpoints on various aspects of subsidies, prepared for use of a student discussion group at Cornell University) N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 463, 18 p., processed. Ithaca, 1943. Ref. 281.9 C81

7418 HEFLEPOWER, R. B. Subsidies as a means of redirecting production during war. West. Farm Econ. Assoc. Proc. (1943) 16: 33-37, processed. 280.83 W52

7419 HILL, WALTER. Britain's price control policy. Commerce 32: 151, 162. Oct. 15, 1943. 287 Sy2J

Food price control and subsidies are discussed.

7420 HERRIGAN, L. A. The present crisis; a frank discussion of the problems of subsidies and inflation. New England Grocery and Market Mag. 12(3): 13-14, 16, 46-47. Jan. 1944. 286.83 M44A

7421 McLAUGHLIN, J. B. State's farmers oppose subsidies. W. Va. Dept. Agr. Market Bul. 28(1): 1, 4. Jan. 1, 1944. 2 W522W

7422 MEANY, GEORGE. Subsidies. Amer. Federationist 50(12): 8-9. Dec. 1943. 283.8 Am

7423 PERDUE, BILL. Subsidy adds only 45c to farmers' daily income; total is still 13c below day labor wage. Wis. Agr. and Farmer 71(1): 10-11. Jan. 1, 1944. 6 W751

7424 RUTHERFORD, W. H. British Government control of imports. Mod. Miller 70(52): 12. Dec. 25, 1943. 298.8 M72

Comments on Sir John Orr's scheme to create a Government pool for price fixing, subsidies of wheat and flour.

7425 SCHOLZ, KARL. Subsidies versus price increases. Amer. Jour. Pharm. 115: 391-393. Oct. 1943. 396.8 Am3

7426 TOWNSLEY, T. S. Some pros and cons on the subsidy question. Smith's Chickagrams 12(12): 2. Dec. 1943. 47.8 Sm5

7427 VENSTROM, CRUZ. Prices vs. subsidies as incentives to production of essential products in the war effort under an anti-inflation policy; a discussion of papers by Drs. G. W. Barr and R. B. Heflebower. West. Farm Econ. Assoc. Proc. (1943) 16: 41-42, processed. 280.83 W52

7428 WATSON, J. P. The use of subsidies as an aid in control of prices during wartime. Dun's Rev. 51(2187): 15-18, 30, 32. Nov. 1943. 286.8 D92

#### COST AND STANDARD OF LIVING

7429 \*BLIND. Die berücksichtigung von verbrauchänderungen bei der berechnung der messziffer der lebenshaltungskosten; beitrage zur statistik der lebenshaltungskosten. Jahrb. f. Natl. Ökon. u. Statist. 155: 529-570. June 1942.

7430 FERNÁNDEZ C., R. Declaraciones de don Cecil Lindo sobre los actuales momentos. Agr. Costarricense 1(1): 7-8. June 1943. 8 Ag895

Describes what Cecil Lindo is doing for the laborers on his coffee plantation to help them meet the high cost of living.

7431 MASON, D. I. Necesitamos consumir más y elevar el "standard" de vida de nuestras poblaciones. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(763): 27-29. Oct. 31, 1943. 287 R71

Discusses economic cooperation among the Latin American countries.

7432 MELO, M. L. DE. Assistência ao trabalhador canavieiro. Brasil Açucareiro 22: 78, 79. July 1943. 65.8 B73

Reprinted from the Correio Paulistano, São Paulo, June 27, 1943.

Discusses the establishment of a fund by the Brazilian Sugar and Alcohol Institute for the improvement of living conditions among rural workers in the sugarcane producing regions.

7433 SOUSA, J. G. DE. Habitat rural; espírito de um inquérito. Brazil. Min. da Agr. Serv. de Econ. Rural. Bol. 1(1): 14-16. Jan./Mar. 1943. 281.9 B73B

Discusses an inquiry into rural standards of living in Brazil of which study of the rural house forms a part. This is to be taken up in the next issue.

7434 WAKELEY, R. E. Living is tops on Iowa farms. Iowa Farm Econ. 9(12): 8-10. Dec. 1943. 275.28 Io92

Notes reasons for the high level of farm family living in Iowa.

#### FARM MANAGEMENT AND LAND ECONOMICS

7435 ADAMS, R. L. Large-scale versus family farms. West. Farm Econ. Assoc. Proc. (1943) 16: 96-104, processed. 280.83 W52

From economic and social points of view. Costs of managing both types of farm are noted.

Discussion by C. P. Heisig, p. 105-106.

7436 BARRETT, R. H. Kaiserize your farm work. New England Homestead 116(24): 8, 9. Dec. 11, 1943. 6 M442

7437 BLAKE, R. C. A successful New Zealand poultry farm. Poultry Farmer (Sydney) 10(30): 16-18. Dec. 26, 1942. 280.28 Or32

The organization and management of the farm.

7438 CASE, J. F. Practiced what he taught and grossed \$10,000 profit in year from cows. Mo. Ruralist 85(1): 3. Jan. 8, 1944. 6 R8891

Describes the farm and management practices of Roy Carpenter, who taught vocational agriculture for 17 years.



- 7439 COHEN, R. L. Ventaja de la diversificación de los cultivos. Agr. Costarricense 1(1): 35-37. June 1943. 8 Ag895
- 7440 FERNÁNDEZ C., R. Declaraciones de don Alfredo Castro Fernandez sobre el libro de estudios económicos costarricense de don Rodrigo Facio B. Agr. Costarricense 1: 52-55. July 1943. 8 Ag895
- Touches upon the coffee single-crop system and the need for diversification for the small farmer.
- 7441 FLEURY, FRANÇOIS. Une médaille d'or à l'Ecole Ménagère de St-Jacques. Bul. des Agr. 39(12): 11, 20. Dec. 1943. 7 B872
- Describes the farm and its management.
- 7442 HACIENDAS de la Sabana: "Canoas Sáenz." Rev. Nac. de Agr. [Bogotá] 37(471): 21-25. Sept. 1943. 9.4 R32
- History and description of the farm and its management.
- 7443 HADDOCK, J. L. Emil Johnson leads N. H. potato growers. Amer. Agr. 41(1): 10. Jan. 8, 1944. 6 Am3
- 7444 HAGEN, CECIL. Lines and sidelines build this farm. Wash. Farmer 68: 587. Dec. 16, 1943. 6 R151
- An example of father-son partnership in farm management.
- 7445 HAWTHORNE, STANLEY. Father and son partnerships. Agr. Ed. Mag. 16: 109. Dec. 1943. 275.8 Ag8
- 7446 HOOKER, E. N. A farm management study of farms operated by Negroes in Dallas County, Ala. N. Y. Agr. Col. (Cornell) Farm Econ. No. 138, p. 3525-3526. Nov. 1943. 280.8 C812
- 7447 IVERSON, ALVINA. They got what they wanted. Country Gent. 114: 66, 67, 72. Jan. 1944. 6 C883
- Describes the farm and farm system of Mr. and Mrs. J. W. Breedlove, of Nashville, N. C.
- 7448 \*KHOROSHUN, K. Kak my doobilis' pervenstva [How we achieved preeminence]. Sovkhoznoe Proizvodstvo 2(3/4): 11-13. Mar./Apr. 1943.
- The achievements of the State farm of Omsk in the production of crops and livestock.
- 7449 MACINDOE, S. L. Science and a better way of life for farmers. Austral. Inst. Agr. Sci. Jour. 9: 115-121. Sept. 1943. 23 Au74
- Urges a scientific approach to problems of farm organization and agricultural production planning.
- 7450 MARSHALL, DUNCAN. His boys are in business at home. Farmer's Mag. 40(12): 5, 40-41. Dec. 1943. 7 C165
- Farming practices and management of G. H. Wilson and sons, in Ontario.
- 7451 PETERSON, G. L. Financial management of wartime farm income. U. S. Bur. Agr. Econ. Agr. Finance Rev. 6: 13-18, processed. Nov. 1943. 1.9 Ec78A1
- Policies for farmers to follow in order to get their farm business in a strong financial position.
- 7452 ROBERTS, BOB. Rogue River renovation. West. Livestock Jour. 22(7): 73-75. Dec. 15, 1943. 6 F2278
- On the reorganization and management of the farm owned by Mrs. Lela Rogers and her daughter, Ginger.
- 7453 \*SEILER, H. Massnahmen zur Leistungssteigerung der Landwirtschaft im Protektorat Böhmen und Mähren. Mitt. f. die Landw. 58: 492-493. June 19, 1943.
- Farm organization and management in Bohemia-Moravia.
- 7454 \*SEYER, Aufbauarbeit der "Reichsland" im Regierungsbezirk Litzmannstadt. Mitt. f. die Landw. 58: 509-511. June 26, 1943.
- Organization and management of the farms in the district for increased production.
- 7455 U. S. BUR. OF LABOR STATISTICS. EMPLOYMENT AND OCCUPATIONAL OUTLOOK BRANCH. POSTWAR DIVISION. Impact of the war on Clark County, Nevada, the Las Vegas magnesium area. 22 p., processed. Washington, 1943. (Industrial Area Study, No. 6) 158.6 In2
- Types of farming and farm income are briefly noted.
- 7456 VAN WAGENEN, JARED, JR. We're ready for winter at Hillside Farm (in New York State). Amer. Agr. 40(26): 1, 13. Dec. 18, 1943. 6 Am3
- A discussion of crops, yields, and farm practices.
- 7457 WADHAMS, N. K. Handling our wartime problems at Sprucetip farm. Rural New Yorker 102: 594. Dec. 11, 1943. 6 R88
- 7458 WILSON, CLAUDE. Lands in demand. South. Calif. Rancher 8(12): 7. Dec. 1943. 6 So831
- On the demand for small ranches, stock farms and citrus groves in Escondido, Calif.
- Cost of production
- 7459 ADAIR, WILLIAM. Costs for all Scottish crops. Examples from a large arable farm. Farming News and North Brit. Agr. 95(48): 3. Nov. 19, 1943. 10 N82
- 7460 ADAIR, WILLIAM. Costs in Scottish cropping; a "balance sheet" for the same farm. Farming News and North Brit. Agr. 95(50): 3. Dec. 3, 1943. 10 N82
- 7461 ARES, F. N. What does a range calf cost? N. Mex. Stockman 5(12): 3-4. Dec. 1943. 49 M462
- Based on a cost-of-production study made at the Southwestern Forest and Range Experiment Station, of the U. S. Dept. of Agriculture.
- 7462 BENNETT, L. G. Statistical summary of the costs and returns of flax production on Northamptonshire farms, 1941-1942. Reading. Univ. Agr. Econ. Dept. Flax Rpt. 2-3, 2 nos. Sept. 1942, 1943. 73.19 B22
- 7463 DATOS de la siembra de arroz con objeto de producir semilla, por el Ministerio de Agricultura, bajo la dirección del Ingeniero Félix Malberti. Rev. de Agr. [Habana, Cuba] 26(23): 6-7. Sept./Oct. 1943. 8 Ag88Re
- Includes data on yields and cost of production.
- 7464 FERGUSON, D. B. Cost of growing canning crops shows sharp rise [in New York State]. Farm Res. [N. Y. State Sta.] 10(1): 1, 14. Jan. 1, 1944. 100 M48A
- 7465 HADLINGTON, E. The costs of [egg] production. Poultry Farmer [Sydney] 10(30): 9-11. Dec. 26, 1942. 280.28 Or32
- 7466 MAIER, E. A. Sugarcane cost accounting. Sugar Bul. 22: 50-53. Jan. 1, 1944. 65.9 Am32
- 7467 \*RESUMEN de las actividades del grupo de "agrios." Sindicato Nac. de Frutas y Prod. Hort., Madrid. Bol. 1(7): 28-30. Dec. 1942.
- Figures on citrus cost of production are given.
- 7468 RIDLEY, JACK. Rabbit survey report. Calif. Rabbits Mag. 7(2): 4. Sept. 1943. 40.28 Sa5
- Stresses cost of rabbit feed, and hence cost of production of rabbit meat.
- 7469 ROBERTS, R. P. Agricultural production costs. Austral. Inst. Agr. Sci. Jour. 9: 112-114. Sept. 1943. 23 Au74
- Difficulties connected with studies of production costs and usefulness of such studies.
- Farm Bookkeeping and Records
- 7470 CAVINA, ROMOLO. Como avaliar o lucro de uma lavoura. Brazil. Min. da Agr. Bol. 31(10): 19-36. Oct. 1942. 9.2 Ag83
- Advantages and methods of agricultural bookkeeping. An appendix gives formulae for determining costs of machinery and equipment.



7471 DAVIS, P. O. George Washington kept records on his farm. Furrow 58: 3, 11. Dec. 1943/Jan. 1944. 6 F98

On the value of farm account books and how to keep them.

7472 WELCH, C. H., JR. Farm business analysis survey of 30 farms in the Clear Lake soil conservation demonstration area, Sherburne County, Minnesota, 1942. Minn. Univ. Dept. Agr. Div. Agr. Econ. Mimeog. Rpt. 143, 19 p. St. Paul, 1943. 281.9 M66

U. S. Soil Conservation Service cooperating.

#### Land Settlement and Colonization

7473 \*EGGERS, WERNER. Standortspolitik als mittel der siedlungspolitik; gesichtspunkte für die standortsbestimmung und das verfahren der standorts-ermittlung bei betriebsverlagerungen bzw. betriebs-gründungen. Jahrb. f. Natl. Ökon. u. Statis. 156: 1-22. July 1942.

A social and economic study of regional planning for settlement, taking into consideration the size of agricultural centers, marketing problems, planning of holdings and villages, and planning of traffic and labor.

7474 GONZAGA, A. G. Contribuição para o estudo das imigrações no Brasil. I. A imigração japonesa. Rev. de Imigr. e Colon. 3(1): 89-95. Apr. 1942. 282.28 R32

English summary by Barbosa da Silva, p. 96-98.

Extent and location of Japanese settlements in Brazil. 93 percent of the Japanese immigrant population are farmers.

7475 GRAHAM, ELIZABETH. Land settlement for veterans. Free America 7(4): 6-7. Winter 1943. 280.8 F872

Describes the programs for settlement in Canada and New Zealand.

7476 INFELD, H. F., and DICHTER, ERNEST. Who is fit for cooperative farming? Notes on selection for cooperative rural settlements. Appl. Anthrop. 3(2): 10-17, processed. Jan.-Mar. 1943. 280.8 Ap5

7477 LIMA CAMARA, ARISTOTELES DE, and NEIVA, A. H. Colonizações nipônica e germânica no sul do Brasil. Rev. de Imigr. e Colon. 2(2/3): 892-902. Apr./July 1941. 282.28 R32

The authors make certain corrections in a report on the subject issued in the preceding issue of the Revista. Much of the material relates to agriculture.

7478 McCALL, JOHN. Allotments. Fire. Dept. Agr. Jour. 11(1): 27-31. Mar. 1943. 10 Ir2J

Discussion of the Allotments Scheme for the Dublin County Borough whose primary purpose is to provide allotments for unemployed persons.

7479 MENEZES, DJACIR. Latifundio e açúcar. Brasil Açucareiro 22: 156, 157. Aug. 1943. 65.8 B73

Reprinted from A Manhã, Rio, July 27, 1943.

The social disadvantages which would result from abolishing small holdings in the sugar production industry.

7480 OLIVEIRA MARQUES, JOSÉ DE. A recuperação econômica da Baixada Fluminense. Rev. de Imigr. e Colon. 2(2/3): 822-831. Apr./July 1941. 282.28 R32

Land settlement in reclaimed areas in the State of Rio de Janeiro.

7481 RAPOSO, BEN-HUR. Colônias agrícolas. Brazil. Min. da Agr. Serv. de Econ. Rural. Bol. 1(1): 12-13. Jan./Mar. 1943. 281.9 B73B

Brief discussion of the law of February 14, 1941 (Decree-law 3,059), which provided for the scheme of national agricultural colonies ("Colônias Agrícolas Nacionais") in Brazil.

7482 SALES, APOLONIO. Soerguimento do Vale do São Francisco. Brazil. Min. da Agr. Bol. 31(11): 1-20. Nov. 1942. 9.2 Ag83

Discusses agricultural conditions of the region and a plan for the setting up of agricultural-industrial colonies. The crops and industries to be promoted are brought out.

7483 WILLEMS, EMÍLIO. A emancipação econômica das colônias germânicas no Brasil. Rev. de Imigr. e Colon. 3(1): 71-84. Apr. 1942. 282.28 R32

English summary by Barbosa da Silva, p. 85-88.

A study of the economic development of German settlements in Brazil which at first were purely agricultural, but which, instead of supplying consuming markets for German industrial production, gradually entered into competition with Germany.

#### Land Tenure

7484 BALMFORD, W. C. Control of sales and leases of land in wartime. Valuer 7: 282-286. Oct. 1, 1943. 282.8 V24

7485 \*BUSHNELL, V. L. Farmers to stay on farms. East. Underwriter 44: 8+. Sept. 10, 1943. Noted in Agr. Index 29(3): 14. Dec. 1943. 241 Ag8

7486 HARDIN, L. S. The nature and importance of food, fuel, and rent privileges in low-income rural areas. N. Y. Agr. Col. (Cornell) Farm Econ., No. 138, p. 3528. Nov. 1943. 280.8 C812

7487 MOODIE, A. W. S. Co-operation between landlord and farmer tenant. (To be concluded) Hawkesbury Agr. Col. Jour. 40: 125. Sept. 30, 1943. 276.8 H31

Opportunities for cooperation under the Agricultural Holdings Act, 1941, in New South Wales.

7488 MUEHLBEIER, JOHN, and BERGER, ROBERT. Trends in land tenure in three townships, Ward County, North Dakota, 1941-1943. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(2): 15-16. Nov. 1943. 100 N813B

7489 ROBERTS, W. O. Successful agriculture within the reservation framework. Appl. Anthrop. 2(3): 37-44, processed. Apr.-June 1943. 280.8 Ap5

Agricultural and land tenure reform on an Indian reservation in South Dakota.

7490 STROHM, JOHN. Peru: Land of llamas, home of Incas. Pan American 4(7): 31-34. Dec. 1943. 280.8 F192

Brief mention of village life and land tenure.

7491 WARING, P. A., and TELLER, W. M. Abundance is the hope of the farmer. Free America 7(4): 3-5, 7. Winter 1943. 280.8 F872

The important role which the small farm may play in the post-war economy and the need for credit and all aids to insure tenure for the farmer.

7492 WOOD, V. A. Administration of land in Alberta. C. S. T. A. Rev. [Canada], No. 39, p. 30, 32-35. Dec. 1943. 7 C167C

Deals with the homestead policy and the system of agricultural leases which superseded it in 1939.

#### Land Utilization

7493 BERG, H. A. Land use planning. Mich. Conserv. 12(10): 6. Dec. 1943. 279.9 M582

7494 CONKLIN, H. E. Sources of food production in New York State. N. Y. Agr. Col. (Cornell) Farm Econ., No. 138, p. 3526-3527. Nov. 1943. 280.8 C812

Land class as a determinant of agricultural production.

7495 \*DE INTERÉS agrícola general. La subdivisión de la tierra. Breves consideraciones sobre el problema del fraccionamiento de la riqueza rustica. Sindicato Nac. de Frutos y Prod. Hort., Madrid. Bol. 1(7): 19-20. Dec. 1942.

The problem in various European countries.

7496 LAND utilisation in rural areas [of the United Kingdom]. (Concl.) N. S. Wales. Dept. Agr. Div. Mktg. State Mktg. Bur. Monthly Mktg. Rev. 10: 106-109, processed. Oct. 1943. 286.8 N47M



7497 STAMP, L. D. Britain looks to the land. *Foreign Affairs* 22: 267-278. Jan. 1944. 280.8 F76  
Wartime developments and post-war prospects in rural land-use planning.

7498 WICKARD, C. R. Farmers are vitally concerned with conversion, demobilization problems. *Victory Bul.* 4(31): 26. Nov. 1943. 280.8 V663  
Suggests a program for disposal of agricultural land held by the armed forces.

#### Land Values and Valuation

7499 BLACK, A. G. The individual and the farm land boom. *Farm Jour. and Farmer's Wife* 68(1): 26. Jan. 1944. 6 F2212

7500 HILL, F. F. Farm real estate values and farm debt in World War I and World War II. N. Y. *Agr. Col. (Cornell) Farm Econ.*, No. 138, p. 3521-3522. Nov. 1943. 280.8 C812

7501 NEW FACTORS in rising land values; no sharp increase is likely in Northern Plains States. *GTA Digest* 3(13): 17-19. Dec. 25, 1943. 280.28 G11

7502 PARRISH, B. D. How long will it take an operator to pay for a farm from earnings? Ill. *Farm Econ.*, No. 102, p. 16-20. Nov. 1943. 275.28 I15

7503 SELBY, H. E. The control of land rent and land prices. *West. Farm Econ. Assoc. Proc.* (1943) 16: 120-125, processed. 280.83 W52

Discussion by C. H. West, p. 126-129, and by David Weeks, p. 130-132.

7504 STEWART, C. L. Land price increases and some policy ideas. Ill. *Farm Econ.*, No. 102, p. 13-16. Nov. 1943. 275.28 I15

7505 WE'VE BEEN asked: About farm price supports. *U. S. News* 15(27): 36. Dec. 31, 1943. 280.8 Un33A

The form which post-war guarantees for prices of farm products may take and their relationship to land prices.

#### POPULATION

7506 BARTLETT, F. P. Population and resources in Puerto Rico. *Puerto Rico Jour. Pub. Health and Trop. Med.* 19(1): 9-34. Sept. 1943. 448.8 P83

Notes improvements in agriculture needed so that Puerto Rico may take care of its population. Figures included for land and agricultural production.

Text also in Spanish, p. 35-61.

7507 BENEDICT, M. R. Farm people and the land after the war. *Natl. Planning Assoc. Planning Pam.*, No. 28, 26 p. Washington, 1943. 280.9 N2153

Discusses agriculture in relation to the population pattern and future conditions of farm tenure and population.

7508 CARVALHO, F. M. DE. O êxodo rural. *Rev. de Imigr. e Colon.* 3(3/4): 9-26. Dec. 1942. 282.28 B32

A study of the situation and its causes.

7509 HARNISCH, ROLF. Zur frage der wanderung und siebung. *Arch. f. Bevölkerungswiss. u. Bevölkerungspolitik* 12(1/2): 27-60. June 1942.

Includes discussion of the character of the rural-urban movement.

7510 HELLER, FREDERICO. O êxodo do campo como fator de desenvolvimento. *Sociologia* 5(1): 57-64. 1943. 281.2 S614

7511 LANDIS, P. H. Internal migration by subsidy. *Social Forces* 22: 183-187. Dec. 1943. 280.8 J823

Discusses a recent program of the U. S. Dept. of Agriculture for subsidized and directed migration of farmers from submarginal rural areas to areas of commercial farming.

7512 MÜLLER, K. V. Siebungsvorgänge bei der bildung von grossstadtbevölkerungen. 2. Beitrag zum grossstadtsammelwerk. *Arch. f. Bevölkerungswiss. u. Bevölkerungspolitik* 12(1/2): 1-26. June 1942.

Sociological study of the rural-urban population movement.

7513 PETTY, J. J. The growth and distribution of population in South Carolina. *S. C. State Planning Bd. Bul.* 11, 233 p. Columbia, S. C., 1943. Ref., p. 209-213. 280.7 S6292B

Includes information on farm and rural population.

7514 REICHERT, F. Die entmischung der geschlechter im heiratsalter. *Arch. f. Bevölkerungswiss. u. Bevölkerungspolitik* 12(3/4): 179-187. Sept. 1942.

Agricultural population included.

7515 ROSKELLEY, R. W. Colorado farm population changes. *Colo. Agr. Expt. Sta. Colo. Farm Bul.* 5 (5): 7. Nov./Dec. 1943. 100 C71S

A series of picture graphs.

7516 WARTENWEILER, O. Die bevölkerung des Kantons Zürich nach stand, entwicklung und örtlicher verteilung; erste endgültige ergebnisse der volkszählung vom 1. Dezember 1941. Zürich, Switzerland. *Statis. Bur. Statis. Mitteilungen (N. F.)* 4: 295-330. Mar. 1943.

Includes the relative rural and urban population.

7517 WILLEMS, EMÍLIO. O desnivelamento econômico como fator de aculturação. *Rev. de Imigr. e Colon.* 2(2/3): 799-811. Apr./July 1941. 282.28 B32  
Acculturation of the rural immigrant.

#### RURAL SOCIAL ORGANIZATION

7518 FELTON, R. A. The church at the center. *Prog. Farmer, Ky.-Tenn. Ed.* 58(12): 10, 43. Dec. 1943. 6 P945K

Community development in Big Lick, Tennessee, including the establishment of study clubs, homesteads, a church, and a free baby clinic.

7519 RAPER, ARTHUR, and TAPPAN, P. W. "Never too old to learn new tricks"; the canning program in Greene County, Ga. *Appl. Anthropol.* 2(3): 3-11, processed. Apr.-June 1943. 280.8 Ap5

Describes the sharecropper economy, and a program of rural social rehabilitation, including the improvement of agricultural practices and home food supplies.

7520 RICHARDSON, F. L. W., JR. Everybody who's hungry can belong to my church; 20 years experience in increasing native food production. *Appl. Anthropol.* 2(3): 44-49, processed. Apr.-June 1943. 280.8 Ap5

Describes a program of social and agricultural rehabilitation conducted under the auspices of the American Board of Foreign Missions, in Portuguese Angola, Africa.

7521 RICHARDSON, F. L. W., JR. Thirty years of rural reconstruction in southern India. *Appl. Anthropol.* 2(3): 49-58, processed. Apr.-June 1943. 280.8 Ap5

7522 ROTHBERG, MAURICE. Rural sociology in the United States. *Austral. Inst. Agr. Sci. Jour.* 9: 121-124. Sept. 1943. 23 Au74

Present-day programs, the concepts of neighborhood and community, and the training of rural sociologists.

7523 TAYLOR, P. S. Social problems of agriculture in wartime. *West. Farm Econ. Assoc. Proc.* (1943) 16: 133-138, processed. 280.83 W52

Discussion by R. W. Hollenbert, p. 139-142, by R. M. Neustadt, p. 143-145, and by H. E. Erdman, p. 146.



7524 WILLEMS, EMÍLIO. A solução do problema rural brasileiro como mudança cultural provocada. *Sociologia* 5(1): 20-28. 1943. 281.2 Sol4  
The rural problem from the point of view of the cultural anthropologist.

#### Institutions

7525 AKERS, B. H. Gives boys a start. *Farmer* 61(24): 6, 12. Dec. 18, 1943. 6 F2211

Describes a project started by the Goodyear Tire and Rubber Company which gives boys apprentice training in farming and a chance to own their own land.

7526 BENAVIDES, HECTOR. Hay que educar al campesino para que cultive mejor la tierra. *Agr. Costarricense* 1(1): 11. June 1943. 8 Ag895

Reprinted from the *Boletín de Educación*.

Deals with the function of the rural school.

7527 BOUCHER, HAROLD. Securing satisfactory supervised farming programs. *Agr. Ed. Mag.* 16: 108-109. Dec. 1943. 275.8 Ag8

Supervised practice in vocational agriculture.

7528 BRUNNER, H. S. Criteria for evaluating programs of preparation for teachers of vocational agriculture. *Ohio State Univ. Abs. Doctoral Diss.*, No. 42, Spring quarter 1942/43, p. 9-17. Columbus, 1943. 241.8 Oh3

7529 CÂMARA, A. DE L. A evolução do ensino agrícola-veterinário no Brasil. *Brazil. Min. da Agr. Bol.* 31(9): 17-23. Sept. 1942. 9.2 Ag83

7530 COTTAM, H. R. Housing scales for rural Pennsylvania. *Amer. Statis. Assoc. Jour.* 38: 406-416. Dec. 1943. 251 Am3

7531 FONTOURA, AMARAL. O problema da educação rural no Estado do Rio. *Sociologia* 5(1): 65-72. 1943. 281.2 Sol4

7532 GRANADOS, RAÚL. Debemos implantar en Costa Rica la Escuela Normal Rural. *Agr. Costarricense* 1(1): 13-14. June 1943. 8 Ag895

7533 GRISWOLD, O. T. Tell the story with pictures. *Co-op. Grain Quart.* 1(1): 50-52. Fall 1943. 280.28 C7898

Discusses the films on agriculture available through the U. S. Department of Agriculture.

7534 GUIDED rural youth migration-- steps in action. *Agr. Ed. Mag.* 16: 104, 105. Dec. 1943. 275.8 Ag8

Brief of findings of the Institute on War and Post-war Problems of Rural Youth Migration, Washington, D. C., May 1943.

7535 HALL, D. M. Can we evaluate our war production programs [in vocational agriculture]? *Agr. Ed. Mag.* 16: 106, 118. Dec. 1943. 275.8 Ag8

7536 HASHIMOTO, E. Y. Raising cane mechanically. *Hawaii Farm and Home* 6(12): 13, 18. Dec. 1943. 25 H3191

A school program in vocational agriculture.

7537 HULBERT, H. H. Results of sheep shearing schools. *Wis. Coop. Wool Growers Assoc. Wool News* 9(5): 3. Dec. 1943. 280.28 W882

Describes the project for training sheep shearers started by the Agricultural Extension Service, the Rural War Production Training Program of the Office of Education, and the Farm Credit Administration.

7538 JOHNSON, E. J. Planning and carrying out a [Future Farmers of America] chapter program of work. *Agr. Ed. Mag.* 16: 110-111. Dec. 1943. 275.8 Ag8

7539 KOLLMORGEN, W. L. The agricultural stability of the Old Order Amish and Old Order Mennonites of Lancaster County, Pennsylvania. *Amer. Jour. Sociol.* 49: 233-241. Nov. 1943. 280.8 Am3

7540 LLOYD, E. W. Seeking a higher standard of village life. *Field* 182: 594. Dec. 4, 1943. 10 F45

Improvements in the planning of farm labor and in wages and the growth of farmers' mutual aid groups.

7541 LYLE, M. S. A program of adult education to promote democracy in the home and family life of an Iowa [rural] community. *Ohio State Univ. Abs. Doctoral Diss.*, No. 41, Autumn, Winter quarter 1942/43, p. 119-125. Columbus, 1943. 241.8 Oh3

7542 NICHOLS, MARK. The rural high school serves the farmer. *Utah Farmer* 63(9): 15, 18. Dec. 15, 1943. 6 D45

The Rural War Production Training Program for farmers, and its accomplishments in Utah.

7543 NICHOLSON, ARNOLD. Yankee craftsmen. *Sat. Evening Post* 216(27): 12-13, 48-49. Jan. 1, 1944. 110 S

Vermont rural crafts.

7544 PEELER, R. J. North Carolina F. F. A. [Future Farmers of America] gets results. *Agr. Ed. Mag.* 16: 115. Dec. 1943. 275.8 Ag8

7545 POE, CLARENCE. We salute vo-ag teachers and students; D.M. Clements our 1943 "man of the year in service to Southern agriculture." *Prog. Farmer, Car.-Va. Ed.* 59(1): 46. Jan. 1944. 6 P945

7546 RODRIGUES, L. M. Aspectos da legislação do ensino agrícola brasileiro. *Brazil. Min. da Agr. Bol.* 31(12): 39-46. Dec. 1942. 9.2 Ag83

7547 ROEMER, ELLEN. Now they go to school by bus. *Nebr. Farmer* 85(23): 1, 22, 23, 24. Dec. 3, 1943. 6 N27

On the contract plan of education in rural districts in Nebraska.

7548 ROSS, P. F. Mexico's first rural center. *Pan American* 4(7): 3-6. Dec. 1943. 280.8 P192

Describes the work of the Centro Rural de Camohmila near Tepoztlan which is making crop experiments and giving demonstrations in home-making in order to help raise the standard of living of the Indians and peon class.

7549 ROWE, B. M. 4-H volunteers, enlists, produces. *Farmer* 62(1): 7, 30. Jan. 1, 1944. 6 F2211

Wartime activities of 4-H girls.

7550 ROY, J. B. Des sociétés d'agriculture formées de cercles agricoles. (Quatrième article). *Programme de l'année. Bul. des Agr.* 39(12): 4. Dec. 1943. 7 B872

On the ideas which should guide the directing office in planning a year's program for agricultural associations.

7551 SMITH, W. P. Job instruction training in agriculture. *Agr. Ed. Mag.* 16: 107. Dec. 1943. 275.8 Ag8

7552 SNIDER, C. F. Rural local government; county and township government in 1942. *Amer. Polit. Sci. Rev.* 37: 1041-1051. Dec. 1942. 280.8 Am33

7553 TIDWELL, R. E. Planning improvement in rural living through the schools; a report of the Exploratory Study of County Educational Problems. *Ala. Univ. Bul. (n.s.)* No. 256, 103 p. Feb. 1, 1943. 281.2 All2

7554 VIEIRA, J. A. Grandioso plano de ensino e pesquisas agrônomicas. *Brazil. Min. da Agr. Bol.* 31(12): 55-61. Dec. 1942. 9.2 Ag83

Describes the organization and equipment of the Centro Nacional de Ensino e Pesquisas Agrônomicas in the Baixada Fluminense.



Human Ecology

- 7555 CASE, J. F. Where good neighbors meet; community groups active for 16 years in the Liberty and Rensselaer communities in Ralls County, Missouri. *Mo. Ruralist* 85(1): 16. Jan. 8, 1944. 6 R8891
- 7556 HARRIS, PAUL. Pilgrims in Paraguay. *Communitier*, No. 6, p. 3, 4, 8. Aug./Oct. 1943. 280.28 C73
- Description of the Hutterite community, Colonia Primavera, and its farm.
- 7557 LOOMIS, C. P., and GRISHAM, GLEN. The New Mexican experiment in village rehabilitation. *Appl. Anthrop.* 2(3): 13-37, processed. Apr.-June 1943. 280.8 Ap5
- Social rehabilitation of Mexican-American, including encouragement of home production and preservation of food.
- 7558 REGIONAL planning. Part I - Historical background, by C. M. Longfield; Part II - Australia, by T. A. Lang. *Inst. Engin. Austral. Jour.* 15: 173-188. Aug. 1943. 290.9 In75
- 7559 SOMERSET, H. C. D. Quads of Broadacres: The story of a New Zealand vision of better country living. (To be cont.) *New Zeal. Dairy Exporter* 19(3): 18-19. Nov. 1, 1943. 44.8 N484
- Community planning. This installment deals with educational ideas.

Rural Organizations and Movements

- 7560 ANDERSON, JIM. Some thoughts on "co-op" dividends and cash discounts; some of larger cooperatives wish they paid taxes - but not very many. *Seed World* 54(12): 14. Dec. 17, 1943. 61.8 Se51
- Farmers' cooperatives.
- 7561 BALLOW, E. B. Co-op savings serve in the war. *U. S. Farm Credit Admin. News for Farmer Co-op.* 10(9): 15-16. Dec. 1943. 166.2 N47
- 7562 CALDAS, DIÓGENES. Nacionalização do cooperativismo. *Brazil. Min. da Agr. Serv. de Econ. Rural. Bol.* 1(1): 3-5. Jan./Mar. 1943. 281.9 B73B
- Discussion of what attitude should be taken by the Government toward cooperatives, which are important to the success of the small farm and yet which may be a source of subversive activity during the war.
- 7563 CARVER, WAYNE. Locker plant income and expenses analyzed. Report on 45 Illinois cooperative plants yields much valuable information. *Locker Operator* 5(5): 8-9, 22-23, 26-30. Dec. 1943. 295.8 L79
- 7564 COOPERATIVE movement in South America. *South and World Affairs* 5(9): 7-10, 19. Nov. 1943. 280.8 So87
- Includes agricultural cooperatives.
- 7565 ELSWORTH, R. H. Co-op farmers as pioneers and leaders. *U. S. Farm Credit Admin. News for Farmer Co-op.* 10(9): 21. Dec. 1943. 166.2 N47
- 7566 FULLER, HELEN. Inflation's family tree. *New Repub.* 109: 875-878. Dec. 20, 1943. 280.8 N
- Includes discussion of the farm lobbies.
- 7567 BEHL, E. F. O absurdo do voto plural nas sociedades cooperativas. *Brazil. Min. da Agr. Serv. de Econ. Rural. Bol.* 1(1): 26-29. Jan./Mar. 1943. 281.9 B73B
- Refers to rural cooperatives.
- 7568 HIRSCH, D. E. "Why incorporate?" *U. S. Farm Credit Admin. News for Farmer Co-op.* 10(9): 18. Dec. 1943. 166.2 N47
- 7569 KING, J. J. Rural cooperative self-help activities in the Pacific Northwest. *Amer. Sociol. Rev.* 8: 706-710. Dec. 1943. 280.8 Am37

- 7570 KNAPP, J. G. How farmers' purchasing co-ops are planning for the post-war period. *U. S. Farm Credit Admin. News for Farmer Co-op.* 10(9): 5, 10. Dec. 1943. 166.2 N47
- 7571 NELSON, A. F. Early cooperative history dates back to Middle Ages and to 1810 in U. S. *Farmers' Elevator Guide* 38(12): 7. Dec. 1943. 280.28 Am3
- 7572 PRADO, PEDRO. Hacia las cooperativas de productores. *Agr. del Norte* 27: 590-591. July 1943. 9.3 Sol4
- On the influence of Joaquín Echeñique Letelier in promoting farmers' cooperatives in Chile.
- 7573 \*SCHN. Hochleistungen durch gemeinschaftsarbeit. *Landesbauernschaft Weser-Ems. Wchnbl.* 90: 214. Apr. 17, 1943.
- 7574 SMALTZ, E. A. Study of AFBF (American Farm Bureau Federation) resolutions; background material for discussion in January by our community Farm Bureau discussion groups. *Mich. Farm News* 22(1): 6. Jan. 1, 1944. 6 M566
- 7575 TAKEMOTO, KOSO. Plan for inter-racial cooperative farming. *Communitier*, No. 6, p. 1, 6. Aug./Oct. 1943. 280.28 C73
- Plan for cooperative farming by Japanese evacuees and Caucasians.
- 7576 VOORHIS, JERRY. Co-ops and the world's food problem. *Agr. Ed. Mag.* 16: 105, 114, 116, 117. Dec. 1943. 275.8 Ag8
- General discussion of the value of cooperatives, including farm cooperatives.
- 7577 WALKER, C. H. Mass assault on co-ops seen as looming danger. *Citrus Mag.* 6(6): 5, 12. Dec. 1943. 80 C498
- 7578 \*\*WALTER, A. Landwirtschaftliche Zusammenarbeit, in Europa. Germany. Reichsmin. f. Ernährung u. Landw. Ber. über Landw. 28(3): 351-359. 1942.
- Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 56, June 16/Sept. 15, 1943. 280.9 L474L

RURAL SOCIAL PSYCHOLOGY

- 7579 ECHENIQUE LETELIER, JOAQUÍN. Declaración de la agricultura nacional ante el proyecto económico. *Agr. del Norte* 27: 592-593. July 1943. 9.3 Sol4
- The president of the Sociedad Nacional de Agricultura lists the objections of farmers to the proposed Chilean legislation to regulate the country's economy and stop inflation.
- 7580 JESNESS, O. B. "What the farmer thinks of business." *Dakota Farmer* 63: 537, 544-545, 564-565. Dec. 11, 25, 1943. 6 D14
- Installment of Dec. 25, is not signed.
- 7581 TAYLOR, R. H. The facts the farmer sees: Government activity, debt, and taxes viewed. *Tax Digest* 22(1): 5-7. Jan. 1944. 284.58 T192
- 7582 TAYLOR, R. H. The farmer's corner. *Calif. Cattleman*, Dec. 1943, p. 9. 43.8 C12
- Tells why farmers are in revolt against current policies and practices of the OPA and other Government departments.

TRADE, FOREIGN AND INTERNATIONAL

- 7583 BROWN, H. L. Trade of Tanganyika in 1942. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 10-11. Jan. 1, 1944. 286.8 C16
- Includes agricultural products.
- 7584 FISHER, A. G. B. Some essential factors in the evolution of international trade. *In Manchester Statis. Soc. Trans.* 1942/43, 24 p. 251 M31
- Discusses factors affecting the structure of production and the provision of higher standards of living and notes the relation of this increase in national wealth to agricultural employment.



7585 HARRIS, S. E. Price control as a hemisphere problem. South and World Affairs 5(9): 4-6, 16. Nov. 1943. 280.8 So87

Price control in international trade. Includes agricultural products.

7586 HUNSBERGER, G. E. Arkansas' stake in post war foreign trade. Ark. Univ. Bur. Res. Business Bul. 11(11): 1-4. Dec. 18, 1943. 280.8 Ar4

7587 LYTTLETON, OLIVER. Trade between Britain and Brazil. So. Amer. Jour. 134: 246. Nov. 20, 1943. 280.8 So86

7588 RINGWOOD, O. K. D., and WHIDDEN, H. P., JR. Trends in Britain's foreign trade 1913-1937. Foreign Policy Rpts. 19(19): 264. Dec. 15, 1943. 280.9 F76R

7589 SCHNELLEBACHER, E. E. Foreign trade - American way. U. S. Dept. Com. Foreign Com. Weekly 13 (10): 13, 31. Dec. 4, 1943. 157.54 F763

7590 TAYLOR, A. E. Domestic prosperity and foreign trade. U. S. Dept. Com. Foreign Com. Weekly 13(11): 3-4, 29. Dec. 11, 1943. 157.54 F763

7591 WHIDDEN, H. P., JR. Britain's postwar trade and world economy. Foreign Policy Rpts. 19 (19): 254-263. Dec. 15, 1943. 280.9 F76R

## FOOD AND HUMAN NUTRITION

### GENERAL

7592 ALLEN, I. B. Food lessons from the WACS. Jour. Living 9(7): 41-46. Jan. 1944. 389.8 J822

7593 ALMQUIST, H. J. Conversion of feed to food. Flour & Feed 44(8): 16. Jan. 1944. 298.8 F66

7594 BROWN, E. L. Mexico's family dining room. Survey 79: 336-337. Dec. 1943. 280.8 C87

7595 BURKE, B. S., and others. The influence of nutrition during pregnancy upon the condition of the infant at birth. Jour. Nutr. 26: 569-583. Dec. 10, 1943. 389.8 J82

V. A. Beal, S. B. Kirkwood, and H. C. Stuart, joint authors.

7596 CANDIDO DE OLIVEIRA, HAROLDO. A importância da alimentação dos trabalhadores rurais. Brazil Min. da Agr. Bol. 31(9): 51-58. Sept. 1942. 9.2 Ag83

7597 CHARLES B. KNOX GELATINE COMPANY. Gelatine: a supplementary protein food. Its history, production and uses in wartime nutrition. What's New in Home Econ. 8(4): 95-106. Dec. 1943. 321.8 W55

7598 DAVIS, N. S. Nutrition: introductory statement. Clin. Med. 50: 323-324. Dec. 1943. 448.8 Am36

7599 DAY, C. D. M. Oral conditions in the famine district of Hissar. Amer. Dent. Assoc. Jour. 31(1): 52-58. Jan. 1, 1944. 448.8 Am322

7600 DOYLE, I. M. Nutrition in relation to tuberculosis. Ind. State Bd. Health, Monthly Bul. 47: 260, 268. Nov. 1943. 449.7 In2M

7601 ERDMAN, H. E. The United Nations Conference on Food and Agriculture. West. Farm Econ. Assoc. Proc. (1943) 16: 15-20, processed. 280.83 W52

7602 GOMEZ, J. C. Usos del arroz. El valor nutritivo del arroz. El arroz. Productos y subproductos. El arroz como alimento humano. El arroz, y productos derivados, como alimento de los animales domesticos. Terapeutica. Rev. de Agr. [Cuba] 26(23, 67-85. Sept./Oct. 1943. 8 Ag88Re

7603 GOODNIGHT, FRANCES. Can you do without meat? Jour. Living 9(7): 33-37. Jan. 1944. 389.8 J822

7604 GRANA, ROBERTO. "Conferencia de alimentación y agricultura de Hot Spring." Asoc. de Ingen. Agron. Rev. 15(3): 11-15. Sept. 1943. 290.9 As73

7605 GRANA, ROBERTO. La conferencia internacional de alimentación de Hot Springs. Montevideo. Bolsa de Com. Rev. 45(9): 9-12. Sept. 1943. 284.38 M76

7606 GUNTHER, C. B. Food poisoning: bacterial toxins and infections. Amer. Jour. Pharm. 115: 317-325. Sept. 1943. 396.8 Am3

7607 HALLIDAY, I. G. Food supplies. The problem's setting. (Cont.) N. S. Wales. Div. Mktg. and Agr. Econ. Weekly Mktg. Notes 55: 221-223, processed. Nov. 3, 1943. 286.8 N47

Agricultural policy in relation to nutrition.

7608 HAMBIDGE, GOVE. Freedom from want. A report on the Hot Springs conference. Land 3(1): 39-43. Summer 1943. 279.8 L22

7609 HARDING, T. S. How you'll eat this year. Jour. Living 9(7): 11-17. Jan. 1944. 389.8 J822

7610 HARMON, E. M. Movies tell story of nutrition. Natl. Butter and Cheese Jour. 35(1): 15. Jan. 1944. 286.85 B98Bu

7611 HERMANN, MRS. JOS. Surplus honey in school lunches. Iowa State Hort. Soc. Proc. 77:253-254. 1943. 81 Io9

7612 HOOVER, HERBERT. Text of...address to Farm Federation outlining food program. Amer. Farm Bur. Fed. Proc., 1943, 1 p., processed. 280.83 Am3Am  
Reprinted from New York Herald Tribune 6-9-43.

7613 \*LELESZ, E. Some aspects of the problem of alimentation in view of the work of post-war reconstruction. Internatl. Inst. Agr. Monthly Bul. Agr. Sci. Pract. 34: 1T-22T. Jan. 1943.

7614 MacKINNON, FRANCES. The war and the American Dietetic Association: a review. Amer. Dietet. Assoc. Jour. 20: 1-3. Jan. 1944. 389.8 Am34

7615 MATTILL, H. A. The future of nutrition. Nutr. Rev. 2: 1-3. Jan. 1944. 389.5 N953

7616 \*\*MIELCK, O. Die ernährungswirtschaft Europas und der mittelmeeerländer im durchschnitt 1935-1938. Germany. Reichsmin. f. Ernähr. u. Landw. Ber. über Landw. 28(3): 360-460. 1942.

Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 56, June 16/Sept. 15, 1943. 280.9 L474L

7617 MOREJÓN PUIG, L. F. La miel de abeja, usos y valor dietetico. Cuba. Sec. de Agr. Bol. del Agr. Práctico. Ser. de Indus. Anim. 10, 48 p. Habana, 1943. 41.9 C89

7618 PENNSYLVANIA. STATE COLLEGE. A contribution to the study of nutritional status in rural and urban populations. Pa. State Col. Bul., v. 36, No. 52, 58 p. State College, 1942. (Ellen H. Richards Inst. Res. Ser. Pub. 2) 389.9 P38

7619 PLIMMER, R. H. A. Your food in war-time. Part 1. Better Health 17(2): 21-22, 30. Nov. 1943. 449.8 B46

7620 POST-WAR nutritional relief discussed at a conference of the Nutrition Society. Food 12: 317-320. Dec. 1943. 389.8 F738

7621 SQUARING away on a food policy. Co-op. Grain Quart. 1(1): 7-11. Fall 1943. 280.28 C7898  
Prints the 35 recommendations made by the subcommittee of the Food Advisory Committee to set up standards for allocation of American foods among the various claimants.

7622 STILLMAN, J. T., WATTS, B. M., and MORGAN, A. F. Palatability studies on home-dehydrated vegetables. Jour. Home Econ. 36: 28-34. Jan. 1944. 321.8 J82

7623 SYDENSTRICKER, V. P. Nutrition under rationing in England. Amer. Dietet. Assoc. Jour. 20: 4-8. Jan. 1944. 389.8 Am34



7624 TORRES, VASCONCELOS. Calorias e resultados do inquérito sobre a alimentação dos trabalhadores na indústria açucareira fluminense. *Brasil Açucareiro* 22: 206-207. Sept. 1943. 65.8 B73

7625 TORRES, VASCONCELOS. Problema alimentar na indústria açucareira. *Brasil Açucareiro* 22: 132-133. Aug. 1943. 65.8 B73

Notes findings of studies on the nutrition of Brazilian workers.

7626 TRELEASE, S. F., and TRELEASE, H. M. Sprouted soy and mungo beans. *N. Y. Bot. Gard. Jour* 44: 254-260. Nov. 1943. 451 N48J

Methods of sprouting the beans and cooking the sprouts.

7627 UNITED NATIONS CONFERENCE ON FOOD AND AGRICULTURE. Text of the final act and section reports. 1. Comm. to Study the Organ. of Peace. *Bul.*, v. 3, No. 7/8, 24 p. July/Aug. 1943. 280.9 C735

7628 URBACH, ERICH. Diagnosis and treatment of food allergies through propeptans. *Ann. Allergy* 1: 219-234. Nov./Dec. 1943. 448.8 An72

7629 WATSON, CHALMERS. British farming - nutrition research. (Concl.) *Scot. Farmer* 51: 1166. Nov. 27, 1943. 10 Sco8

7630 WINTER, L. I. Window exhibits teach nutrition. *U.S. Ext. Serv., Ext. Serv. Rev.* 14: 179. Dec. 1943. 1 Ex892Ex

#### DIETS

7631 AHMAD, BASHIR. Nutrition of the teeth. *Indian Jour. Pharm.* 5: 109-111, 117. July/Sept. 1943. 396.8 In23

7632 ANDERSON, T. F. The diet of the African soldier. *Jour. Trop. Med. and Hyg.* [London, 46: 59-62. Oct./Nov. 1943. 448.8 J827

7633 COWGILL, G. R. Chronic moderate dietary deficiency. *Nutr. Rev.* 1: 417-419. Dec. 1943. 389.5 N953

7634 KEERS, R. Y. Additional fat in the diet of the tuberculous patient: its effect on body weight. *Tubercle* 24: 137-139. Aug. 1943. 448.8 T793

7635 LINDLAHR, V. H. How foods can help to relieve arthritis and rheumatism. *Jour. Living* 9(7): 80-98. Jan. 1944. 389.9 J822

7636 MASIN, HERMAN. Foods for 4-F's. *Jour. Living* 9(7): 19-26. Jan. 1944. 389.8 J822

7637 REYNOLDS, M. R. Feeding the overweight child. *Parents' Mag.* 18, 1.e.19(1): 46, 58-60. Jan. 1944. 320.8 C433

7638 ROSS, H. A. Wartime diet and the tuberculous patient. *Tubercle* 24: 131-136. Aug. 1943. 448.8 T793

7639 TYLER, CYRIL. Simple tables for the evaluation of human diets. Reading, England. Univ. Col. Faculty Agr. and Hort. *Bul.* 53, 19 p. Reading, 1941. 103 R223

#### FOOD HABITS

7640 BENET, S. M., and JOFFEE, NATALIE. Central European food patterns. Part 1 - Polish food patterns. *Pract. Home Econ.* 22(1): 8-10, 23, 40. Jan. 1944. 321.8 H752

7641 SNELL, G. F. Anzacs are big eaters. *Food Facts* 13(4): 2-3. Jan. 1944. 389.8 F734

#### NUTRITIVE AND VITAMIN CONTENT

7642 ADAIR, F. L. Food values of the egg. *Hygeia* [Chicago] 22(1): 44, 46. Jan. 1944. 449.8 H993

7643 ANANDA RAO, D. We eat to live - food values rather than taste. *Indian Inform.* 13: 176. Oct. 1, 1943. 280.8 In25

7644 BENNETT, M. K. What are essential food requirements in wartime? *West. Farm Econ. Assoc. Proc.* (1943) 16: 43-51, processed. 280.83 W52

Discusses the nutritive value of foods.

7645 BOUTWELL, R. K., and others. Further studies on the comparative value of butter fat, vegetable oils, and oleomargarines. *Jour. Nutr.* 26: 601-609. Dec. 10, 1943. 389.8 J82

R. P. Geyer, C. A. Elvehjem, and E. B. Hart, joint authors.

7646 BRIGGS, F. A. Shall we eat grass or meat? *Farm and Ranch* 62(12): 12. Dec. 1943. 6 T31

Nutritive value of meat.

7647 CABELL, C. A., ELLIS, N. R., and MADSEN, L. L. Vitamin A activity of lean meat and fat from cattle fed various levels of carotene. *Food Res.* 8: 496-501. Nov./Dec. 1943. 389.8 F7322

7648 DAY, H. G., and others. Effects of cecotomy, succinylsulfathiazole, and p-aminobenzoic acid on vitamin K synthesis in the intestinal tract of rats. *Jour. Nutr.* 26: 585-600. Dec. 10, 1943. 389.8 J82

K. G. Wakim, M. M. Krider, and E. E. O'Banion, joint authors.

7649 HILDEBRAND, F. C., and GEDDES, W. F. The experimental error of the thiochrome method for thiamine assay. *Cereal Chem.* 20: 714-717. Nov. 1943. 59.8 C33

7650 HILL, CHARLES. Is rice overrated? *Better Health* 17(2): 19-20. Nov. 1943. 449.8 B46

Nutritive value.

7651 HOPFER, A., ALCOCK, A. W., and GEDDES, W. F. A rapid method for the determination of thiamine in wheat and flour. *Cereal Chem.* 20: 717-729. Nov. 1943. 59.8 C33

7652 HOLMES, H. N. Food allergies and vitamin C. *Ann. Allergy* 1: 235. Nov./Dec. 1943. 448.8 An72

7653 HOPKINS, D. P. Concentrated swede juice as a source of vitamin C. *Bristol Univ., Agr. and Hort. Res. Sta. Ann. Rpt.*, 1941, p. 131-132. Long Ashton, 1943. 84 B77

7654 \*HVIDSTEN, HARALD. A-vitamin og karotin i norsk smør og melk. *Norsk Landbruk* 9: 157-159. June 11, 1943.

Vitamin A and carotene contents in Norwegian butter and milk.

"Utdrag av 53. beretning fra Foringsforsøkene."

7655 KEENER, SUZANNE. My open secret. *Amer. Dairy Goat News* 5(7): 3, 8. Jan. 1944. 40.18 Am34

Therapeutic value of goat milk.

7656 KELLEY, N. D. The ice cream industry takes action. *South. Dairy Prod. Jour.* 34(6): 24-25, 32. Dec. 1943. 44.8 So33

The national ice cream educational program, promoted by the National Dairy Council, to sell the nutritional and economic value of ice cream.

7657 KEMMERER, A. R., and FRAPS, G. S. Constituents of carotene extracts of plants. *Indus. and Engin. Chem., Analyt. Ed.* 15: 714-716. Dec. 15, 1943. 381 J825A

7658 KRAUSS, W. E. Selecting foods to meet body needs. *De Laval Monthly* 37(6): 4-5, 13. Nov./Dec. 1943. 44.8 D37

7659 LIGHT, R. F., and FREY, C. N. The nutritive value of white and whole wheat breads. *Cereal Chem.* 20: 645-660. Nov. 1943. 59.8 C33

7660 MCCLURE, S. W. The vitamin racket. *Natl. Wool Grower* 33(12): 19. Dec. 1943. 45.8 N21N

7661 MCINTIRE, J. M., SCHWEIGERT, B. S., and ELVEHJEM, C. A. The retention of vitamins in veal and lamb during cooking. *Jour. Nutr.* 26: 621-630. Dec. 10, 1943. 389.8 J82

7662 MCINTOSH, RUSTIN. Disorders of the digestive system leading to vitamin deficiency states in infants and children. *N. Y. Acad. Med. Bul.* 20: 25-33. Jan. 1944. 448.9 N48



7663 MELNICK, DANIEL. Protein in human nutrition, with particular reference to the role of the essential amino acids. Wallerstein Labs. Commun. 6: 167-181. Dec. 1943. 390.9 W15

7664 MELNICK, DANIEL, OSER, B. L., and HIMES, H. W. A survey of the vitamin and mineral content of bakers' cakes and pies. Cereal Chem. 20: 661-668. Nov. 1943. 59.8 C33

7665 MENÉNDEZ LEES, PEDRO. Conocimiento de las vitaminas y el valor nutritivo de frutas y hortalizas desecadas y deshidratadas. Corporación Frutícola Argentina 9(101): 13-29. May 31, 1943. 83 C81

7666 MOUSERSKI, N. N. Vitamin C from wild rose fruit. Chem. Prod. 7(1/2): 9-10. Nov./Dec. 1943. 382 C42

7667 MOYER, J. C. Vitamin retention in dehydrated vegetables is essential. Farm Res. [N. Y. State Sta.] 10(1): 13, 18. Jan. 1, 1944. 100 N48A

7668 OSER, B. L., MELNICK, DANIEL, and PADER, MORTON. Estimation of vitamin A in food products. Indus. and Engin. Chem., Analyt. Ed. 15: 724-729. Dec. 15, 1943. 381 J825A

7669 PEPKOWITZ, L. P. Vitamin studies on local vegetables. Better Rural Life 4(12): 3-4. Dec. 1943. 275.29 R34B

7670 PRICE, ELINOR. Enriched health. U. S. Food Distrib. Admin. Market. Activ. 6(11): 15-17. Nov. 1943. 1.942 A8M34

Enriched bread.

7671 SARETT, H. P., and PERLZWEIG, W. A. The effect of high temperature and B-vitamin levels of the diet upon the metabolism and body composition of rats. Jour. Nutr. 26: 611-620. Dec. 10, 1943. 389.8 J82

7672 STENZEL, F. R. Prevention of vitamin deficiencies in wartime. New England Jour. Med. 229: 859-862. Dec. 2, 1943. 448.9 N442

7673 SUÁREZ, R. M. Studies of the nutritional problem of Puerto Rico. I. Vitamin A deficiency in relation to dark adaptation and ocular manifestations. Puerto Rico Jour. Pub. Health and Trop. Med. 19: 62-80. Sept. 1943. 448.8 P83

Also in Spanish, p. 81-94.

7674 SURE, BARNETT, and FORD, Z. E., JR. Influence of increasing doses of thiamine and riboflavin on efficiency of their utilization. Jour. Nutr. 26: 659-671. Dec. 10, 1943. 389.8 J82

7675 TODHUNTER, E. N. Nutrition research and the vitamins. Milk Dealer 33(3): 76, 78-85. Dec. 1943. 44.8 M595

7676 TORRES, VASCONCELOS. Alimentação do trabalhador em usina de açúcar. Brasil Açucareiro 22: 76-77. July 1943. 65.8 B73

Brings out the foods consumed most and their caloric value.

7677 VITAMIN value of Australian wheat. Miller 69: 731-732. Nov. 1, 1943. 298.8 M61

Results of experiments carried on by the Nutrition Committee of the National Health and Medical Research Council of Australia.

7678 WALWORTH, GEORGE. War needs teach nutritional value of milk to British consumers. Milk Dealer 33(3): 32-33. Dec. 1943. 44.8 M595

7679 WECKEL, K. G. Conserving the vitamins in milk. Milk Plant Monthly 32(12): 62, 64. Dec. 1943. 44.8 C864

7680 WILLIAMS, R. R. White rice. Its dietary shortcomings. [Abstract] Milling 101: 287, 286. Dec. 4, 1943. 298.8 M622

7681 WOKES, FRANK, and others. Vitamins from rose hips. Quart. Jour. Pharm. and Pharmacol. 16: 269-274. July/Sept. 1943. 396.8 Q2

E. E. Johnson, Jeannette Duncan, J. G. Organ, and F. C. Jacoby, joint authors.

# MISCELLANEOUS

## GENERAL

7682 BEELER, M. N. The farmer in trouble. Capper's Farmer 55(1): 9, 33. Jan. 1944. 6 M693  
How the agricultural experiment stations and the extension services of the land-grant colleges help the farmer in his fight against storm, erosion, disease, insects, rodents, and other pests.

7683 CHATWIN, D. K. Canadian agricultural documents, Federal and Provincial. Col. and Res. Libr. 5(1): 62-70, 74. Dec. 1943. 243.8 C68

7684 DETWILER, J. D. Conservation — a common need of both our countries. Canad. Conserv. Assoc. News Letter, No. 11, p. 15-21. Dec. 13, 1943. 279.9 G163

Conservation of soil, water, and forest resources in Canada and the United States.

7685 HALL, C. J. Samuel B. Gibbs, born on Thanksgiving, picked wild cranberries as a boy, with his parents. Cranberries 8(8): 6-7, 10-12; (9): 6-7, 10. Dec. 1943, Jan. 1944. 80 C852

Story of the Gibbs family, prominent in the cranberry industry.

Part 2 has title: The story of S. B. Gibbs, and sons, Ruel and Homer.

7686 INDIA: Lord Linlithgow's reign in retrospect. Round Table, No. 133, p. 52-58. Dec. 1943. 280.8 E76

Lord Linlithgow's efforts in the field of agriculture and social services are noted, p. 55-56.

7687 KRAFT, J. H. Memory of Stephen Moulton, Babcock; a challenge. Natl. Butter and Cheese Jour. 35(1): 32. Jan. 1944. 286.85 B98Bu

7688 MOLL, BRUNO. Ferdinand Tonnies (1855-1936); algo sobre la vida y obra de un gran sociólogo. Economista [Mexico] 10(115): 28-30. Dec. 1, 1943. 280.8 Ec793

7689 SHAW, R. R. Bibliofilm Service of the U. S. Department of Agriculture Library. Jour. of Doc. Reproduction 5: 198-208. Dec. 1942. 332.8 J82

7690 TAYLOR, W. P. Conservation of natural resources and war. Nature Mag. 37(1): 40-43. Jan. 1944. 409.6 N214

7691 WILLIAMS, A. H. Make peace with nature. Land 3(1): 43-45. Summer 1943. 279.9 L22

Deals with the relationship of conservation of natural resources to economic security.

## RESEARCH

7692 CATES, J. S. Farmer-financed research. Country Gent. 114: 19, 55, 56. Jan. 1944. 6 C883  
Story of the Kanawha Experimental Farm, Iowa.

7693 \*GRUBER. Landwirtschaftliche forschung hinter der front. Mitt. f. die Landw. 58: 512. June 26, 1943.

Work at the Agricultural School in Gorki, U. S. S. R.

7694 \*MEYER, KONRAD. The importance of agricultural science for the present-day food supply (in Germany). Res. and Prog. 9(3): 135-158. May/June 1943.

A discussion of the natural, scientific, and technical aspects of agricultural research as well as of agrarian policy.

7695 PATTON, RANDOLPH. Research in the West widens road to future. Weekly Market News & Mod. Farmer [Winnipeg] 22(1): 2. Jan. 5, 1944. 286.81 G762A



7696 HUGULES, M. F. La técnica al servicio del agro en Venezuela. *Economista [Mexico]*, 10(115): 21-22. Dec. 1, 1943. 280.8 Ec793

Assistance to agriculture through Government research and investigation.

## STATISTICS

7697 ALANÍS PATIÑO, EMILIO. Esquema de los métodos estadísticos. V. Correlación. *Irrig. en Méx.* 24(4): 199-214. July/Aug. 1943. 55.8 Ir76

Bibliography, p. 213-214.

Correlation between climatic factors and crop production brought out.

7698 LAS DEFICIENCIAS de muestras estadísticas agrícolas. *Rev. de Econ. [Mexico]*, 6(11): 8-9. Nov. 30, 1943. 280.8 R3293

Mexican agricultural statistics.

## NEW PERIODICALS AND SERIALS

7699 ACADIAN NATURALIST; Bulletin of the Natural History Society of New Brunswick. Irregular. New Ser., v. 1, No. 1, May 1943. 49 p. Fredericton, University of New Brunswick, N. B. 410.9 N42A

Supersedes the Bulletin of the Natural History Society of New Brunswick (410.9 N42) not published since No. 31, v. 7, part 1, 1914.

7700 EL AGRICULTOR COSTARRICENSE, revista de ganadería, agricultura, e industria. Monthly. Año 1, No. 1, June 1, 1943. 48 p. San José, Costa Rica. 8 Ag895

7701 AGRICULTURA Y GANADERÍA TROPICAL (Banco Ganadero, S. A.). Quarterly. No. 1, Oct. 1943. 40 p. Tampico, Mex. 26 Ag85

7702 ARGENTINA. MINISTERIO DE AGRICULTURA. DIRECCIÓN DE GANADERÍA. Boletín informativo. Monthly. No. 1/2, Dec. 1942/Jan. 1943. 24 p.

Buenos Aires. 41.9 Ar32B

Continues its Boletín de Policía Sanitaria de los Animales. 41.9 Ar32

7703 BRAZIL. INSTITUTO NACIONAL DO LIVRO. Coleção B 1 Bibliografia. No. 1, 1942. 186 p. Rio de Janeiro, Ministério da educação e saúde. 242.12 B73

No. 1 is Bibliografia das Bibliografias Brasileiras, by A. S. dos Reis. For subjects pertaining to agriculture the index should be consulted under such headings as Agrícolas (Publicações) and Imprensa Agrícola no Brasil.

7704 BRAZIL. MINISTÉRIO DA AGRICULTURA. SERVIÇO DE ECONOMIA RURAL. Boletim. Quarterly. Ano 1, No. 1, Jan./Mar. 1943. 72 p. Rio de Janeiro, Serviço de informação agrícola. 281.9 B73B

7705 BULLETIN OF ZOOLOGICAL NOMENCLATURE (International Commission on Zoological Nomenclature). Irregular. V. 1, Part 1, May 21, 1943. 26 p. London, S. W. 7, 41 Queen's Gate. 410 B874

7706 CALIFORNIA. UNIVERSITY. Publications in microbiology. Irregular? V. 1, No. 1, Jan. 14, 1943. 64 p. Berkeley. 500 C125M

7707 CO-OP GRAIN QUARTERLY (National Federation of Grain Cooperatives). V. 1, No. 1, Fall 1943. 94 p. St. Paul, Minn., 1923 University Ave. 280.28 C7898

7708 DENVER MILK PRODUCERS NEWS (Denver Milk Producers, Inc.). Irregular. V. 1, No. 1, May 1943. 4 p. Denver, Colo., 810 14th St. 280.38 D43

7709 THE GPC NEWS (Official publication of the Growers Peanut Cooperative, Inc.) Monthly. V. 1, No. 1, Jan. 1943. 4 p. Franklin, Va. 280.28 G112



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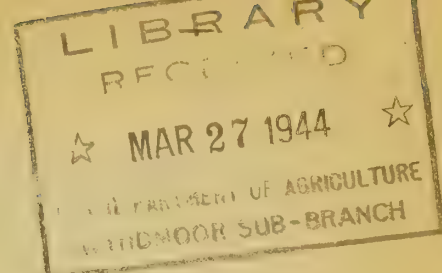
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U. S. D. A. Miscellaneous Publication 337, Abbreviations Used in the Department of Agriculture for Titles of Publications, is followed in this publication.

Items marked with an asterisk (\*) are ordinarily available in microfilm or photoprint only.

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Call numbers following the citations are those of the United States Department of Agriculture Library.

Except for printed publications of the Department of Agriculture, which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library at the following prices:

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PUBLICATIONS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS, STATE AGRICULTURAL EXTENSION SERVICES, AND BOOKS AND PAMPHLETS FROM OTHER SOURCES

U. S. D. A. PUBLICATIONS

Includes printed and processed publications of the Department received in the library during the preceding month, except materials issued for internal administrative use rather than for public distribution, and war-restricted publications.

Periodicals issued by the Department will be listed in the June and December issues only, but articles in them will be indexed currently in the sections covering periodical and serial literature.

Printed publications may be obtained free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the Department's supply lasts. After this free distribution is exhausted, publications may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Processed publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Publications preceded by an asterisk (\*) are not available for distribution; microfilm or photostat copies can be supplied at the cost of preparing them.

Agricultural War Information

- 7710 PROTECT terrace outlets with grass for food production. U. S. D. A. AWI-79, 8 p. 1943. 1 Ag84Aw  
Development of grassed drainage way. Illustrated.

Bibliographical Bulletins

- 7711 HENNEFRUND, H. E., and CUMMINGS, ORPHA. Bibliography on the Japanese in American agriculture. U. S. D. A. Bibliog. Bul. 3, 61 p. 1944. 1 Ag84B1

Interbureau Committee on Post-War Programs

- 7712 MANUAL of work on rural industries; suggested procedure in conducting local studies. 5 p., processed. n. d. (RU-4) 1.90 C2In8Pr

Leaflets

- 7713 GOULD, H. P. Why fruit trees fail to bear. U. S. D. A. Leaflet 172, slightly rev., 5 p. 1943. 1 Ag84L

Miscellaneous Publications

- 7714 SLIDEFILMS of the United States Department of Agriculture; price list for 1942-43. U. S. D. A. Misc. Pub. 506, 24 p. 1943. 1 Ag84M  
Cover many phases of agriculture and home economics.

Unnumbered Publications

- 7715 CONFERENCE on Agricultural Post-war Programs, Milwaukee, Wis., July 26-31, 1943. Reports of part of the working committees. 15 Nos., processed. 1943. 1.90 C3Ag82

Contents: National agricultural policy after the war. 13 p.; Preparation of national report on the situation in agriculture. 2 p.; Production adjustments in agriculture during the demobilization period. 7 p.; Area plans for the development and conservation of natural resources and improvement in living conditions. 6 p.; Public works program. 1 p.; Agricultural-industrial relations. 7 p.; Industry in rural

areas. 4 p.; Disposition of land temporarily used by military forces and war plants. 4 p.; Opportunities for settlers on land after the war. 4 p.; Tenure. 4 p.; Social security for farm people. 3 p.; Cooperation between workers in the colleges and the Department. 1 p.; State committees. 1 p.; Education, information, and special services for farmers and other groups participating in developing post-war programs. 6 p.; Committee on agricultural experiment station organization and policy. 1 p.

Contains also a list of registered attendance (3 p.) and a suggested list of subjects for the Department's program of work on post-war problems in the present fiscal year (5 p.).

The reports noted were sent to all participants in the Conference by Raymond C. Smith, Chairman, Interbureau Committee on Post-war Programs.

7716 FARM flashes. 18 Nos., 1 p. each, processed. n. d. 1.9 In3F

For broadcast use only.

Allocation of meat.

Hay acreage goals for 1944.

Home-made motor toter.

Logging truck warning.

More certified seed potatoes.

More eggs from fewer hens.

More hatcheries in NPIP [National Poultry Improvement Plan].

More protein in hay.

More soys in '44.

Outlook for livestock feed.

Pullorum milestone.

Re-cap truck tires.

Save feed with pig brooders.

Teaming-up for better farming.

Timber sale returns.

Tractor tires critical.

Treat cottonseed early.

World neighbors in food research [exchange of plants between nations and of all kinds of farm and food research]. 2 p.

7717 HOMEMAKERS' chat. 24 Nos. 3 p., each, processed. 1943-44. 1.9 In3Hh

For use in non-commercial broadcasts only.

Better breakfasts for all the family. Jan. 17.

Citrus in season. Jan. 12.

Clothing in 1944. Jan. 28.

Enriched flour and bread. Jan. 19.

The family budget in wartime. Jan. 3.

Family food plans. Dec. 29.

The food for war in '44. Jan. 21.

4-H club winners in wartime. Jan. 7.

New Year's outlook for family living. Dec. 31.

Plan your Victory garden now. Jan. 14.

Preventing waste in serving school lunches. Jan. 10.

Question box:

How cook pork liver? Vitamins in canned grape-fruit juice? Heat rolls without oven? Keep mold off smoked ham? Jan. 11.

How ease laundry work? Soya in puddings? How make rice pudding? How keep dry bread crumbs? Dec. 30.

How organize nutrition committee? Eat vegetables raw? How care for shoes in winter? Jan. 18.

How organize school lunch? Why canned goods release? Chicken for civilians? Jan. 27.

How save ham from skippers? Jelly from apple peels and cores? How make soya scrapple? Jan. 6.

How store damp outdoor clothes? Different food in same oven? When oil sewing machine? Jan. 20.



How store eggs? Uses for old Christmas tree? Moth damage in unheated closets? Dec. 28.

Lay pattern with straight of cloth? How remove cream stain? How buy pressure canner? Jan. 25.

Re-cut suit when making over? Peanut butter in soup? How braise meat? Ration workers paid? Jan. 4.

Why try soya products? "Full-fat" or "low-fat" soya flour? Does soya flour change the flavor of foods? Dishes using soya products? Jan. 13.

Save household linens by mending. Dec. 27.

Starting the home poultry flock. Jan. 24.

There'll be some changes made in the rationing program. Jan. 26.

7718 UNITED STATES Department of Agriculture personnel officers meeting, St. Louis, Missouri, November 30 - December 4, 1943. 30 p., processed. 1943. 1.90 C3P43

#### AGRICULTURAL ECONOMICS, BUREAU OF

7719 COMMERCIAL truck crops: acreage and production of commercial truck crops, 1943. Processed. Dec. 17, 1943. (TC-43:1205-TC-43:1228) 1.941 H8V523

Report of the acreage, yield and production of commercial truck crops for the fresh market and for processing.

Contents: TC-43: 1205. General summary. 3 p.; 1206. Asparagus. 1 p.; 1207. Lima beans. 1 p.; 1208. Snap beans. 2 p.; 1209. Beets. 1 p.; 1210. Cabbage. 3 p.; 1211. Cantaloups. 2 p.; 1212. Carrots. 2 p.; 1213. Cauliflower. 1 p.; 1214. Celery. 1 p.; 1215. Cucumbers. 1 p.; 1216. Eggplant. 1 p.; 1217. Honeyball and honeydew. 1 p.; 1218. Lettuce. 2 p.; 1219. Onions. 2 p.; 1220. Green peas. 1 p.; 1221. Green peppers. 1 p.; 1222. Early Irish potatoes. 2 p.; 1223. Spinach. 1 p.; 1224. Strawberries. 2 p.; 1225. Tomatoes. 2 p.; 1226. Watermelons. 1 p.; 1227. Artichokes, sweet corn, escarole, kale, and shallots. 1 p.; 1228. Garlic and mint. 1 p.

7720 FARM bookkeeping and the Federal income tax. Rev., 14 p. 1943. 1 Ec7Far  
Extension Service joint author.

7721 LIST of words and phrases (with Gregg shorthand forms most frequently used in the BAE (rev.). 10 p., processed. 1943. 1.941 A2L681

7722 METZLER, W. H. Analysis of the operation of the wage ceiling in the asparagus industry, Sacramento-San Joaquin Delta, 1943. 56 p., processed. Berkeley, Calif., 1943. 1.941 R3An1

7723 POPULATION estimates, 1900-1943. 3 p., processed. Dec. 1943. 1.941 R4P812  
Supersedes a release of the same title dated October 1943.

Total, farm, and nonfarm population. Data from the Bureau of the Census.

7724 WOODRUFF, R. S. Prices received by growers for fruit and nut crops by type of sale and utilization groups. 39 p., processed. 1943. 1.941 F3P932

#### AGRICULTURAL RESEARCH ADMINISTRATION

7725 CURRENT activities and selected examples of recent accomplishments by appropriation items. 89 p., processed. 1943. 1.98 C93  
Presented for each of the constituent agencies.

Agricultural and Industrial Chemistry, Bureau of  
7726 BALLS, A. K., and others. Separation of diastase and protein from wheat through the action of sulphites (Third report). U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-27, 37 p., processed. Albany, Calif., 1943. 1.932 A2Ag82  
W. S. Hale, W. G. Rose, I. W. Tucker, B. Axelrod, S. Schwimmer, J. J. Peruzzi, and M. K. Walden, joint authors.

7727 FIGHTING men need good leather. 6 p., folder. 1943. 1.9321 E2F46

Prepared by the Eastern Regional Research Laboratory, Wyndmoor, Pa., with Farm Credit Administration, and Extension Service cooperating.

Care of hides and skins.

7728 INFORMATION sheet on freezing preservation of pumpkin pie stock (puree made from pumpkin or squash). U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-36, 2 p., processed. Albany, Calif., 1943. 1.932 A2Ag82

7729 INFORMATION sheet on the determination of ascorbic acid in fresh, frozen, and dehydrated foods. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-35, 3 p., processed. Albany, Calif., 1943. 1.932 A2Ag82

7730 REFERENCES on the handling, transportation, and storage of vegetables. 4 p., processed. Albany, Calif., West. Regional Res. Lab., 1943. 1.9321 W2R25

#### Animal Industry, Bureau of

7731 ELLIS, N. R., and ZELLER, J. H. Preliminary results on the dispensability of animal protein in certain swine rations. 3 p., processed. 1943. 1.972 A2P91

A comparison of diets with and without animal protein for reproduction and growth.

7732 FOSTER, A. O., and HABERMANN, R. T. Phenothiazine for the control of parasites on farm animals. 10 p., processed. 1943. 1.972 Z2P522

7733 [FUNCTIONAL chart of bureau.] 1 p., processed. 1943. 1.972 A2C38

7734 INSTRUCTIONS for employees engaged in eradicating foot-and-mouth disease. Rev., 36 p. 1943. 1 An5In

For Bureau employees and cooperating agencies.

7735 NATIONAL Poultry Improvement Plan mailing lists. U. S. Bur. Anim. Indus. A. H. D. 59, rev., 12 p., processed. 1943. 1.9 An524h

NPIP-1. Contact representatives; NPIP-2. Persons actively engaged in the administration of poultry-improvement programs.

7736 RULE 1, revision 40 - To prevent the spread of splenetic or tick fever in cattle. U. S. Bur. Anim. Indus. B. A. I. Order 377, 3 p. 1943. 1 An50  
Effective Dec. 1, 1943 and supersedes rule 1, revision 39 (B. A. I. Order 374).

#### Dairy Industry, Bureau of

7737 BURKEY, L. A. How to make yoghurt. 7 p., processed. 1943. (BDIM-Inf-2) 1.973 D4B34  
Supersedes information in U. S. Dept. of Agriculture Bulletin 319, Fermented Milks.

7738 LEIGHTON, ALAN. Ice cream making in the home. U. S. Bur. Dairy Indus. BDIM-Inf-1, 4 p., processed. 1943. 1.973 D4B34  
Includes formulas for freezer and refrigerator.

#### Entomology and Plant Quarantine, Bureau of

7739 CLARK, C. A. The field status of parasites of the European corn borer (*Pyrausta nubilalis*) at the close of the 1942 season. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey. Spec. Sup., 9 p., processed. Dec. 27, 1943. 1.9 En831B

7740 LIST of publications and patents of the Division of Insecticide investigations ... for the period August 1, 1943 to December 31, 1943. 4 p., processed. 1943. 1.9 En866P

7741 SERVICE and regulatory announcements 1943. ... With list of plant pests intercepted with imported plants and plant products. 41 p. 1943. 1 F31S

7742 SNAPP, O. I., and HOLLOW, J. P. An improved curculio (*Conotrachelus nenuphar*) jarring sheet. U. S. Bur. Ent. and Plant Quar. E-608, 3 p., processed. 1943. 1.9 En83



7743 VANCE, A. M. Status of the European corn borer [*Pyrausta nubilalis*] in 1943. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey. Spec. Sup., 12 p., processed. Dec. 28, 1943. 1.9 En831B

#### Experiment Stations. Office of

7744 IMPORTANT plant disease problems needing further research or farmer education in 1944. 7 p., processed. 1943. 1.912 Im7

#### Human Nutrition and Home Economics. Bureau of

7745 [DIRECTORY] 1 p., processed. n. d.

1.982 A2D62

7746 SUGGESTED outline for clothing in area post-war plans. 5 p., processed. 1943. 1.982 T2Su3

Includes a table showing the average number of articles purchased per person in rural farm families having money income of \$1,000 - \$1,499, year 1941.

#### FARM CREDIT ADMINISTRATION

7747 FARMERS' marketing and purchasing associations. Directory prepared from reports received by the Cooperative Research and Service Division. U. S. Farm Credit Admin. Misc. Rpt. 68, 349 p., processed. Apr. 1943. 166.3 M68

Sections: Cotton and cotton products. 19 p.; Dairy products. 75 p.; Fruits and vegetables. 39 p.; Grain and dry beans. 58 p.; Livestock. 26 p.; Nuts. 5 p.; Poultry and eggs. 9 p.; Wool and mohair. 8 p.; Miscellaneous products. 7 p.; Special crops. 14 p.; Purchasing. 81 p.; Service associations. 8 p.

7748 SUMMARY of Conference of Representatives of District Farm Credit Boards, August 2 to August 4, 1943. 1 v. [Various pagings] Kansas City, Mo., 1943. 1.955 A2C76

7749 WASHINGTON office FCA personnel. 1 p., processed. 1943. 1.955 A2D62

#### FEDERAL SURPLUS COMMODITIES CORPORATION

7750 MEMORANDUM of agreement between the Federal Surplus Commodities Corporation and the Subsistence Division of the Bureau of Supplies and Accounts on terms of commodity transfers. 7 p., processed. 1943. 1.954 M51

Reciprocal rules of pricing and reciprocal delivery terms agreed to by the FSCC and the Navy.

#### FOREST SERVICE

7751 CHANNELS of publication for articles by members of the Forest Service. Rev., 34 p., processed. 1943. 1.962 L3C36

7752 COOK book for fire suppression crews, Region V [California region]. 24 p. San Francisco, 1943. 1 F7666Cb

7753 FIELD officers in Washington and room and telephone changes. 1 p., processed. 1943. 1.962 A2D62

7754 FOR SATISFACTORY log scale use the international rule. 1 p., processed. n. d. 1.962 A2F74

Extension Service cooperating.

Graphic comparison of Doyle and International rules.

7755 HOOVER, M. D., and HURSH, C. R. Installation of shallow observation wells. U. S. Forest Serv. Appalachian Forest Expt. Sta. Tech. Note 56, 4 p., processed. Asheville, N. C., 1943. 1.9 F7623T

Applies to wells specially installed to observe water tables lying less than 15 feet from the surface.

7756 INFORMATION regarding fur farm permits within the national forests of Alaska. 3 p., processed. Juneau, Alaska, 1942. 1.9621 E10In32

7757 ISTRUZIONE per i lavoratori di foreste... Termini per i lavoratori delle foreste. 7 p., processed. Nov. 4, 1943. (PP Training. Prisoners of War) 1.962 A2Is7

Instructions for forest workers and forest workers' terms in Italian and English. Illustrated. Translations by the Office of Foreign Agricultural Relations.

7758 LOTTI, THOMAS, and EVANS, T. C. The forest situation in the Mountain Region of Virginia. U. S. Forest Serv. Appalachian Forest Expt. Sta. Forest Survey Release 15, 70 p., processed. Asheville, N. C., 1943. 1.9622 A3F76

7759 LUXFORD, R. F., Wood, L. W., and GERRY, ELOISE. "Black streak" in western hemlock: its characteristics and influence on strength. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1500, 16 p., processed. Madison, Wis., 1943. 1.9 F761R

Army-Navy-Civil Committee on Aircraft Design Criteria cooperating.

7760 OUTLETS for wood waste; a general statement of actual and potential uses of various kinds of wood waste. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R64, 26 p., processed. Madison, Wis., 1943. 1.9 F761R

Wisconsin University cooperating.

7761 POSTWAR plans for forestry. 3 p., processed. 1943. 1.962 A2P842

7762 TREES at war. 3 p., processed. 1943. 1.962 A2T71

New uses of wood; Need of forest products; Post-war needs for lumber.

7763 WOOD in war. 23 Nos., 1 p. each, processed. n. d. 1.962 A2W85

Utilization of wood in picture form.

Contents: Alabama, Arkansas & Oklahoma, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, New Hampshire and Vermont, North Carolina, Ohio, South Carolina, Tennessee, Texas, Virginia, Wisconsin.

#### GRADUATE SCHOOL

7764 GRADUATE school... Spring semester, 1943-1944 [announcement]. 8 p. folder. 1943. 1 Ag854E

A partial list of courses.

7765 INFORMATION for faculty members, 1943-44. 5 p., processed. 1943. 1.984 In3

#### INFORMATION, OFFICE OF

7766 FOOD information series. 4 Nos., processed. 1944. 1.914 A5F733

No. 74. The farm transportation situation in 1944. 4 p. Jan. 5.

No. 75. Objectives for post-war agriculture. 2 p. Jan. 1.

No. 77. U. S. Crop Corps insignia. 1 p. Jan. 1.

No. 78. Summary of farm wage and salary regulations. 2 p. Jan. 22.

7767 HARDING, T. S. Condensed history of the USDA. 12 p., processed. 1943. 1.914 A2C75

#### RURAL ELECTRIFICATION ADMINISTRATION

7768 APPLICATIONS of electricity for the home and farm. 6 p., processed. St. Louis, Mo., n. d. 1.933 Ap5

7769 FUNCTIONS of Rate Section in the Cooperatives' Operations Division. 1 p., processed. St. Louis, Mo., n. d. 1.933 F96

7770 HELPING you to help yourself. Lighting. 6 p., folder. n. d. 1.933 H36

Lighting equipment. Illustrated.



- 7771 HERRING, W. E. The Rural Electrification Administration program to meet present conditions. 3 p., processed. St. Louis, Mo., n. d. 1.933 R884
- 7772 HOW AN REA cooperative functions. 4 p., processed. St., Louis, Mo., n. d. 1.9333 H832
- 7773 MAKING electricity pay its way. Install poultry lighting and hit the high market. 4 p. n. d. 1 R88Ma
- 7774 MEMBERS of Technical Standards Committees ... as of October 1, 1943. 1 p., processed. St. Louis, Mo., 1943. 1.932 M512
- 7775 PROGRAM for new REA system managers. 3 Nos., processed. St. Louis, Mo., n. d. 1.933 P944  
Summary of principal functions and responsibilities of Cooperatives' Operations Division, Regional Sections. 5 p.; Design and Construction Division. 2 p.; Management Division. 5 p.
- 7776 A REAL REA cooperative. 2 p., processed. St. Louis, Mo., 1943. 1.933 R223
- 7777 REPORT of the Administrator of the Rural Electrification Administration, 1943. 19 p. 1943. 1 Ag84

## SECRETARY, OFFICE OF

- 7778 REPORT of the Secretary of Agriculture, 1943. 252 p. 1944. 1 Ag84

## SOLICITOR, OFFICE OF

- 7779 BEFORE the Interstate Commerce Commission, I. & S. docket No. 4779 et al., livestock to and from the South et al. Reply of the War Food Administrator to the petition of Southern carriers for reopening and reconsideration. 9 p., processed. 1943. 1.918 L75

## WAR FOOD ADMINISTRATION

- 7780 BARLEY: average price good feed (sacked) per 100 pounds, San Francisco, 1929-30 to 1942-43. 1 p., processed. San Francisco, 1943. 1.9424 A2B24
- 7781 HOG MARKETING. 7 p., processed. 1943. 1.9424 A2H67
- 7782 THE PERISHABLE Agricultural Commodities Act. How it affects you. 4 p., processed. 1943. 1.9424 A2P41
- 7783 RICE: supply and distribution of southern crop, Louisiana, Texas and Arkansas. 1 p., processed. San Francisco, 1943. 1.9424 A2R36  
Data for 1936-37 and subsequent years.

Agricultural Adjustment Agency

- 7784 1943 - AGRICULTURAL conservation program. [Supplement.] 2 Nos., processed. 1944. 1.42 Ad4AcB  
Sup. 23. Amends Section 1 (b) (2) (ii). Farm acreage allotments - cotton, tobacco, and wheat. 1 p. Jan. 1.  
Sup. 24. Amends Section 5 (e) (5) South Carolina. Rates for farm production practice allowance in the southern region. 1 p. Dec. 31.
- 7785 PROVISIONS of the Agricultural Adjustment Act of 1938, as amended, relating specifically to tobacco marketing quotas. 17 p., processed. 1943. 1.42 Ea7P  
Corrected to November 10, 1943.
- 7786 REPORT of the Chief of the Agricultural Adjustment Agency, 1943. 44 p. 1943. 1 Ag84
- 7787 UNITED STATES agricultural production for 1944. Summary of production goals suggested by War Food Administration and goals adopted by States, with comparisons. 1 p., processed. 1943. 1.42 Ad4U

Commodity Credit Corporation

- 7788 MILLS which have accepted 1943 C. C. C. cottonseed form A, revised, dated August 24, 1943. 8 p., processed. 1943. 1.957 M62
- 7789 REPORT of the President of the Commodity Credit Corporation, 1943. 20 p. 1943. 1 Ag84; also 1 C731
- 7790 SUPPLEMENTAL instructions to crushers and shellers operating under 1943 peanut program contracts entered into with Commodity Credit Corporation. 9 p., processed. 1943. 1.957 In74 Sup.

Extension Service

- 7791 ALFALFA and brome mixture, for hay, for southeast Nebraska. 1 p., processed. n. d. 1.913 A3AL2  
Soil Conservation Service cooperating. Advantages; cultural methods.
- 7792 EVANS, R. M. Economic results of conservation. 7 p., processed. 1943. 1.913 E2Ec72  
Address before Forum Meeting of Friends of the Land, Philadelphia, Nov. 17.
- 7793 FARM employment information guide. Tables and graphs showing farm employment from January to October, 1943. 21 p., processed. 1943. 1.913 E2F226
- 7794 THE FLAME of freedom; a candle lighting ceremony for 4-H groups. 6 p., processed. n. d. 1.913 F3F61
- 7795 FOR HEALTH and happiness. 9 p., processed. 1943. 1.913 N3F74  
Narrative to accompany motion picture which shows examples of children who have been well brought up.
- 7796 THE FUTURE for which we fight: freedom from want. 4 p., processed. n. d. 1.913 A2F98  
Quotations from national and international leaders.
- 7797 GRASS down field waterways. 2 p., processed. n. d. 1.913 A3G76  
Soil Conservation Service cooperating.
- 7798 HOW TWO homemakers are managing in wartime. 2 p., processed. 1943. 1.913 H3H832
- 7799 INFORMATION on the 1944 program to help farmers utilize fully their farm machinery, equipment, and structures. 2 p., processed. 1943. 1.913 E2In3
- 7800 NATIONAL cooperative project - conservation of nutritive value of foods. Research in progress 1943-44. 3 p., processed. 1943. 1.912 N21  
Compiled by Sybil L. Smith.
- 7801 1944 8-POINT milk-production program. 9 p., processed. n. d. 1.913 D2E14
- 7802 AN OUTLINE for nutrition in area post-war plans. 3 p., processed. n. d. 1.913 N3Ou81
- 7803 OUTLOOK conference recommendations of home-management specialists. 2 p., processed. 1943. 1.913 H3Ou8
- 7804 PLAN for providing ration points for use in food demonstrations given by extension workers. 6 p., processed. 1943. 1.913 F4P69
- 7805 PORTER, H. W. Rural homes influenced to change home economics practices, where homemakers were not members of home demonstration clubs or groups, as reported by all county extension workers, 1934-1942. 1 p., processed. 1943. 1.913 H4R88  
Number of farm, other, and total, by regions.
- 7806 QUESTIONNAIRE A. Summary of 20 State club leaders and 18 home management specialist rating objectives for home management work in 4-H clubs. 4 p., processed. n. d. 1.913 F3Q3
- 7807 SOME organization efforts on Food Fights for Freedom. 6 p., processed. n. d. 1.913 F4So5
- 7808 THE STORY of Mr. and Mrs. Cass County, Nebraska. 2 p., processed. 1943. 1.913 H3St7N  
Mainly home management practices.



7809 SUGGESTED procedure for national 4-H achievement day program. 2 p., processed. n. d. 1.913 F3Su34

7810 SUGGESTIONS to professional workers for using the leaflet "Serve on the Farm Home Front." 2 p., processed. 1943. 1.913 H3Su3

"Prepared by the National Committee on Management Problems of Families in Wartime."

7811 TASKS which State home-management specialists improved using the work methods training demonstration given October 23, 1943. 2 p., processed. 1943. 1.913 H3T18

7812 WILSON, M. C. Our farm labor record and our responsibility. 9 p., processed. 1943. 1.913 E2Ou7

Presented to the Extension Section, Land-Grant College Association, Chicago, Ill., Oct. 26.

7813 WORK simplification principles applied to the home. 1 p., processed. 1943. 1.913 H3W892

Adapted from Farm Labor Check List, Farm Work Simplification Project, Purdue University, La Fayette, Ind.

#### Farm Security Administration

7814 FARM Security borrowers increase food production. 4 p., processed. 1943. 1.95 F2263

Crop production summary.

7815 KEEPING fit for your wartime job. 12 p., processed. 1943. 1.95 K25

#### Food Distribution Administration

7816 ANNOUNCEMENTS of intentions to purchase or sell certain commodities through the Federal Surplus Commodities Corporation. 13 Nos., processed. 1943. 1.9422 A8An7

FSC-1621, sup. 3. Allowance for special packing expense (milled rice). 2 p. Dec. 28.

FSC-1772. Refined corn sugar hydrated (Dextrose) (Glucose monohydrate). 1 p. Dec. 21.

FSC-1773. High protein spaghetti. 1 p. Dec. 23.

FSC-1774. Colored oleomargarine tropical. 3 p. Dec. 21.

FSC-1775. Hard wheat baker's flour (enriched) compressed. 3 p. Dec. 23.

FSC-1776. Wheat flour (enriched) compressed. 3 p. Dec. 23.

FSC-1777. Wood rosin. 4 p. Dec. 15.

FSC-1778. Oil of spearmint. 1 p. Dec. 28.

FSC-1780. Maize (corn) cones. 3 p. Dec. 30.

FSC-1781. Biscuit, Army type "C." 1 p. Dec. 29.

FSC-1782. Baking powder. 2 p. Dec. 29.

FSC-1783. No. 2 heavy white oats. 3 p. Dec. 30.

FSC-1784. Wheat bran & screenings (and) standard wheat middlings. 3 p. Dec. 29.

7817 CATTLE and calves: monthly average price per 100 pounds, Baltimore, 1942. Based on the mean of daily range of quotations. 1 p., processed. Baltimore, n. d. 1.9422 L8C29Ba

Similar reports for Detroit, Fort Worth, Houston, Jersey City, Los Angeles, Louisville, Montgomery, Odgen, and No. Salt Lake, St. Joseph, San Antonio.

7818 CATTLE and calves: weekly average price per 100 pounds, Detroit, 1942. Based on the mean of daily range of quotations. 2 p., processed. Detroit, n. d. 1.9422 L8C29Dtw

Similar reports for Jersey City, Louisville, and San Antonio.

7819 CATTLE and calves: weekly average price per 100 pounds, Ft. Worth, 1943. Based on the mean of daily range of quotations. 2 p., processed. Ft. Worth, n. d. 1.9422 L8C29Fow

Covers the period, Jan. 9 to July 3.

Similar reports for Houston, Indianapolis, Kansas City, Los Angeles, Montgomery, Nashville, Sioux City, South St. Joseph, and Wichita.

7820 CHRONOLOGICAL record of marketing agreements and orders issued by the Secretary of Agriculture for fruits and vegetables. 2 p., processed. 1943. 1.9422 Fr3C46

7821 CURED pork cuts and lard: monthly average wholesale price per 100 pounds, Boston, 1942. Based on the mean of daily range of quotations. 1 p., processed. Boston, n. d. 1.9422 M8C92Bo

Similar reports for Chicago and New York.

7822 CURED pork cuts and lard: weekly average wholesale price per 100 pounds, Boston, 1942. Based on the mean of daily range of quotations. 2 p., processed. 1943. 1.9422 M8C92Bow

Similar reports for New York and San Francisco.

7823 DETERMINATION of (1) normal yields of commercially recoverable sugar per acre and (2) eligibility for payment with respect to abandonment and crop deficiency for farms in the Virgin Islands (Revised). 2 p. 1943. (S. D. 149, rev. 1)

1.94 Su3Sd

7824 DOMESTIC wool: monthly average prices at Boston, 1942...scoured basis. 1 p., processed. Boston, n. d. 1.9422 L8D71Baw

7825 DOMESTIC wool: weekly average prices at Boston, 1942...scoured basis. 2 p., processed. Boston, 1943. 1.9422 L8D71Bs

7826 EDUCATIONAL program on FDO 1 [Bakery Order] (Handbook for FDA representatives). 29 p., processed. Nov. 1943. 1.9422 A2Ed8

7827 FOOD distribution order. 28 Nos. 1943. 1 F733F

FDO 15-5. Cheddar cheese. 1 p. Dec. 24.

FDO 34, amend. 2. Glycerine; use and distribution restricted. 2 p. Dec. 30.

FDO 49 Termination. Termination of order containing restrictions relative to Irish potatoes. 1 p. Dec. 23.

FDO 75, amend. 9. Slaughter of livestock and delivery of meat. 1 p. Dec. 31.

FDO 79-102 through 79-114. [Relative to the conservation and distribution of fluid milk and cream in various sales areas.] 79-102, 1 p. Nov. 30; 79-103 through 79-114, 2 p. each. Dec. 31.

Changes in sales areas are noted in the following amendments issued Dec. 28: 79-10, amend. 2; 79-61, amend. 1; 79-70, amend. 1; 79-76, amend. 1; 79-88, amend. 1; 79-93, amend. 1; 79-96, amend. 1; also 79-92, amend. 1, issued Dec. 31.

FDO 87, amend. 1. Restrictions on inventories of fatty acids. 2 p. Dec. 30.

FDO 90. Food storage facilities; restrictions on use of freezer space. 1 p. Dec. 22.

FDO 91. Restrictions on poultry in storage. 2 p. Dec. 29.

7828 GRADE symbols for upland cotton. 2 p., processed. Atlanta, Ga. 1943. 1.9422 C32G75

7829 HOGS: monthly average price per 100 pounds, Denver, 1942. Based on the mean of daily range of quotations. 1 p., processed. Denver, n. d. 1.9422 L8H67Dn

Similar reports for Des Moines, Detroit, Fort Worth, Indianapolis, Kansas City, Los Angeles, Montgomery, Nashville, Omaha, San Antonio, Sioux City, Thomasville, Ga., and Wichita.

7830 HOGS: weekly average price per 100 pounds, Cincinnati, 1942. Based on the mean of daily range of quotations. 2 p., processed. Cincinnati, 1943. 1.9422 L8H67Ciw

Similar reports for Detroit, Fort Worth, Los Angeles, Louisville, Montgomery, Nashville, Peoria, San Antonio, and Thomasville, Ga.

7831 HOGS: weekly average price per 100 pounds, Kansas City, 1943. Based on the mean of daily range of quotations. 1 p., processed. Kansas City, 1943. 1.9422 L8H67Kaw

Covers the January-June period.

Similar reports for Des Moines and Wichita.

7832 LIST of dealers in used fruit and vegetable containers. 7 p., processed. 1943. 1.9422 Fr2L69

Also issued: Supplemental List No. 1. 2 p.



- 7833 LOCALLY dressed fresh meats - beef and veal: weekly average wholesale price per 100 pounds, San Francisco, 1942. Based on the mean of daily range of quotations. 2 p., processed. San Francisco, 1943. 1.9422 M8L78Bsw
- 7834 LOCALLY dressed fresh meats...monthly average wholesale price per 100 pounds, San Francisco, 1942. Based on the mean of daily range of quotations. 1 p., each, processed. San Francisco, n. d.  
Beef and veal. 1.9422 M8L78Bs  
Lamb and mutton. 1.9422 M8L78Ls  
Pork cuts and fresh pork carcasses. 1.9422 M8L78Ps
- 7835 MARKET News and Grading Division [directory]. 8 p., processed. 1943. 1.9422 A32M34
- 7836 NOTICE of hearing on handling of milk. Proposed amendments to tentatively approved marketing agreement, as amended, and order, as amended, regulating the handling of milk in the Washington marketing area. 5 p., processed. 1943. 1.9422 D3M59
- 7837 PLANTS approved to pack processed fruits and vegetables under continuous inspection (as of February 1, 1943). 6 p., processed. 1943. 1.9422 Fr34P
- 7838 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, for use in free school lunches and other special programs, and to meet requests from the Red Cross. 31 Nos., processed. 1943-44. 1.9422 A8In3  
 Lists commodities, grades, prices, and vendors.  
 [Dairy products.] 5 Nos., IPR-383, Dec. 18; 384, Dec. 21; 385, Dec. 27; 389, Jan. 5; 390, Jan. 5.  
 Fish and fish products. 7 Nos., IPR-384, Dec. 21; 385, Dec. 23; 386, Dec. 27; 387, Dec. 29; 388, Jan. 3; 389, Jan. 5; 393, Jan. 8.  
 Fruit, vegetables and products. 4 Nos., IPR-383, Dec. 23; 385, Dec. 23; 387, Dec. 30; 393, Jan. 8.  
 Grains, cereals, feeds and seeds. 6 Nos., IPR-385, Dec. 27; 387, Jan. 1; 388, Jan. 5; 389, Jan. 5; 390, Jan. 5; 394, Jan. 1.  
 Meat and meat products. 7 Nos., IPR-386, Dec. 22; 387, Dec. 27; 387 Sup., Dec. 29; 388, Dec. 30; 391, Jan. 6; 393, Jan. 7; 394, Jan. 12.  
 Miscellaneous foodstuffs. 1 No., IPR-394, Jan. 12.  
 Rice. 1 No., IPR-392, Jan. 8.
- 7839 QUESTIONS and answers. 3 Nos., processed. 1943-44. 1 F733F  
 Food storage facilities (FDO 90). 3 p. Dec.  
 Glycerine (FDO 33, amend. 1) 2 p. Dec.  
 Poultry (FDO 91). 5 p. Jan. 6.
- 7840 REPORT of the Director of the Food Distribution Administration, 1943. 124 p. 1943. 1 Ag84
- 7841 SCHOOL lunch foods list. 5 Nos., processed. San Francisco, 1943.  
 Foods for distribution under the Community School Lunch Program and for which indemnity payments may be made.  
 No. 1. Effective Mar. 1-31, 1943. 1 p. 1.9422 C18C13  
 No. 1 i.e.2. Effective Apr. 1-30, 1943. 1 p. 1.9422 C18C13  
 No. 4. Effective June 1-30, 1943. 1 p. each.  
 Arizona. 1.9422 C18Ar4  
 California. 1.9422 C18C13  
 Washington. 1.9422 C18W27
- 7842 SHEEP and lambs: monthly average price per 100 pounds, Baltimore, 1942. Based on the mean of daily range of quotations. 1 p., processed. Baltimore, n. d. 1.9422 L8Sh3Ba
- Similar reports for Buffalo, Chicago, Cincinnati, Denver, Detroit, Fort Worth, Indianapolis, Jersey City [also has weekly prices], Kansas City, Louisville, Nashville, North Portland, Oklahoma City, Omaha, St. Louis National Stockyards, South St. Joseph, South St. Paul, and South San Francisco.
- 7843 SHEEP and lambs: weekly average price per 100 pounds, Buffalo, 1942. Based on the mean of daily range of quotations. 1 p., processed. Buffalo, 1943. 1.9422 L8Sh3Buw
- Similar reports for Baltimore, Cincinnati, Denver, Detroit, Fort Worth, Indianapolis, Louisville, Nashville, North Portland, and South San Francisco.
- 7844 SHEEP and lambs: weekly average price per 100 pounds, Kansas City, 1943. Based on the mean of daily range of quotations. 1 p., processed. Kansas, n. d. 1.9422 L8Sh3Kaw
- Covers the period Jan. 9-July 3.  
 Similar reports for Omaha, St. Louis National Stockyards, Sioux City, South St. Joseph, and Wichita.
- 7845 SUGGESTIONS for planning menus for type A & B school lunch. 2 p., processed. Des Moines, Iowa, 1943. 1.9422 C12Su3
- 7846 UNITED STATES standards for grades of canned concentrated orange juice (effective August 16, 1943). 5 p., processed. 1943. 1.9422 Fr50r12
- 7847 WAUGH, F. V. Problems to be solved in distributing 1944 production. 5 p., processed. 1943. 1.941 A5P942
- Address at 21st Annual Agricultural Outlook Conference, Oct. 19.
- 7848 WESTERN dressed fresh meats... monthly average wholesale price per 100 pounds, [several cities], 1942. Based on the mean of daily range of quotations. 9 Nos. 1 p. each, processed. [Several cities], n. d.  
 Contents:  
Beef and veal, Boston. 1.9422 M8W52Bb  
 Similar reports for Chicago, New York, Philadelphia.  
Lamb and mutton, Chicago. 1.9422 M8W52Lc  
 Similar reports for New York, Philadelphia.  
Pork cuts, Chicago. 1.9422 M8W52Pc  
 Similar report for Philadelphia.
- 7849 WESTERN dressed fresh meats... weekly average wholesale price per 100 pounds, [several cities], 1942. Based on the mean of daily range of quotations. 7 Nos., processed. [Several cities], 1943.  
 Contents:  
Beef and veal, New York. 1.9422 M8W52Bnw  
 Similar report for Philadelphia.  
Lamb and mutton, Chicago. 1.9422 M8W52Lcw  
 Similar report for Philadelphia.  
Pork cuts, Chicago. 1.9422 M8W52Pcw  
 Similar report for Philadelphia.
- 7850 WHEAT inspections a fourth larger in 1942-43. 2 p., processed. 1943. 1.9422 G33W56  
 Includes table with caption: Inspected Receipts of Wheat for Crop Years beginning July 1, 1941 and 1942 and 5-year average 1937-41, by class and grade.
- Labor, Office of  
 7851 [FUNCTIONAL chart of] War Food Administration, Office of Labor. 1 p. processed. 1943. 1.917 O2W19  
 Prepared in the Office of Personnel.
- 7852 OFFICE of Labor, Regional Office functional chart. 1 p., processed. 1943. 1.9424 L2F96



Soil Conservation Service

7853 ALLAN, P. F. Furs from farmlands. 27 p., processed. 1943. 1.96 Op2Fu

Not for general distribution or publication.

7854 ANDERSON, H. O., and MITCHELL, D. R. Farm management problems in soil conservation planning; a handbook of farm management phases of soil conservation planning for soil conservation trainees. 40 p., processed. La Crosse, Wis., 1943. 1.96 R31Fm

7855 ANDERSON, H. R., and MITTELSTADT, CHARLES. Soil conservation and war production on a Grant County [Wis.] farm. 9 p., processed. La Crosse, Wis., 1943. 1.96 R31So

Wisconsin University cooperating.

7856 CONTOUR farming produces more food now. 1 p., processed. Hebron, Nebr., n. d. 1.9607 C76

7857 DANIEL, H. A. Effectiveness of different methods of tillage on moisture conservation and wheat production. 2 p., processed. Guthrie, Okla., n. d. 1.9604 Ef3

7858 ENLOW, C. R. The future of revegetation in the Southern Great Plains. 1 p., processed. n. d. 1.96 Op2Fr

7859 GRASS down field waterways. 1 p., processed. Hebron, Nebr., n. d. 1.9607 G76

7860 GREATER production through pasture selection and management. 1 p., processed. Hebron, Nebr., n. d. 1.9607 G79

7861 INFLUENCE of soils on the effectiveness of the country church; a study of the economics of christianity in 222 South Carolina rural churches. 1 p., processed. n. d. 1.9602 In3

7862 KEEP crop residues on the surface. 1 p., processed. Hebron, Nebr., n. d. 1.9607 K25

7863 LUBRICATION chart, recommendations, capacity tables, specifications and data for lubrication of automotive and other motorized equipment. 9 p., processed. [Albuquerque, N. Mex.], 1943. 1.9608 L96

7864 NATIVE grass seeding. 1 p., processed. Hebron, Nebr., n. d. 1.9607 N21

Contents: Why sow native grass; Seedbed preparation; Seeding; Care after seeding.

7865 PERSONNEL training. 11 p., processed. Lincoln, Nebr., U. S. Soil Conserv. Serv. North. Great Plains Region, 1943. 1.9607 P43

7866 POINTERS on the handling and heeling-in of trees and shrubs for winter storage. 2 p., processed. 1943. 1.96 Op2Po

7867 PROGRESS report on cooperative investigations of effects of soil and land use upon infiltration of water in the Peoria area, Peoria County, Illinois, 1942-1943. 29 p., processed. 1943. 1.96 R31Ps

7868 REFERENCE books and scientific journals on soils and related fields. 5 p., processed. Fort Worth, Tex., 1943. 1.96 Ad6Rb

"Advisory Notice" to all Soil Scientists, Region IV.

7869 REPORT of the Chief of the Soil Conservation Service, 1943. 48 p. 1943. 1 Ag84; also 1.6 So3R

7870 SEEDING practices in southeastern Nebraska. 6 p., processed. [Lincoln, Nebr., U. S. Soil Conserv. Serv. North. Great Plains Region.] n. d. 1.96 Op2Se

Agricultural Extension Service cooperated in assembling the material.

7871 SOIL Conservation Service offices. 3 p., processed. n. d. 1.96 Ad6Sc

7872 TAYLOR, B. R. Grazing and feeding beef cattle in Oklahoma. 4 p., processed. Fort Worth, Tex., 1943. 1.9604 G79

Range and livestock management and livestock feeding.



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arkansas Agricultural Experiment Station, Fayetteville

7873 HEDGES, T. R., and SLUSHER, M. W. Adjustments in farm organization for increasing farm income in Hempstead County. Ark. Agr. Expt. Sta. Bul. 442, 91 p. 1943. 100 Ar42

California Agricultural Experiment Station, Berkeley

7874 DONEEN, L. D., and MACGILLIVRAY, J. H. Suggestions on irrigating commercial truck crops. 5 p., processed. Calif. Agr. Expt. Sta., 1943. 55 C126

7875 MICHELbacher, A. E., and SMITH, R. F. Some natural factors limiting the abundance of the alfalfa butterfly *Colias philodice eurytheme*. Hilgardia 15: 369-397. Oct. 1943. 100 C12H

7876 SMITH, R. J. The California State Land Settlements at Durham and Delhi. Hilgardia 15:399-492. Oct. 1943. 100 C12H

California Citrus Experiment Station, Riverside

7877 PERSING, C. O. Chemical control of snails in citrus groves. Calif. Citrus Expt. Sta. News Letter 22, 3 p., processed. 1943. 100 C12LN

Connecticut (State) Agricultural Experiment Station, New Haven

7878 BAILEY, E. M. Commercial fertilizers report for 1943. Conn. (State) Agr. Expt. Sta. Bul. 476, 38 p. 1943. 100 C76St

7879 BAILEY, E. M., and others. The forty-seventh report on food products and the thirty-fifth report on drug products, 1942. Conn. (State) Agr. Expt. Sta. Bul. 475, p. 445-469. 1943. 100 C76St  
H. J. Fisher, R. T. Merwin, C. E. Shepard, W. T. Mathis, O. L. Nolan, R. B. Hubbell, D. C. Walden, and J. E. Shepard, joint authors.

7880 GARMAN, PHILIP. Control of the apple maggot *Rhagoletis pomonella* Walsh, with rotenone dusts. Conn. (State) Agr. Expt. Sta. Bul. 474, p. 436-442. 1943. 100 C76St

Georgia Agricultural Experiment Station, Experiment

7881 OCHERAN, H. L. Influence of time-of-planting and spacing on the yield of Porto Rico and Triumph sweet potatoes. Ga. Agr. Expt. Sta. Bul. 230, 26 p. 1943. 100 G29S

7882 HENDRIX, W. E., FULLILOVE, W. T., and SAYRE, C. R. Organizing and operating Bullock County farms to meet war needs. Ga. Agr. Expt. Sta. Bul. 227, 55 p. 1943. 100 G29S

U. S. Bureau of Agricultural Economics cooperating.  
7883 HENDRIX, W. E., BUTLER, C. P., and GOODMAN, K. V. Peanut production possibilities in Georgia. Ga. Agr. Expt. Sta. Bul. 228, 32 p. 1943. 100 G29S

U. S. Bureau of Agricultural Economics and Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

7884 HOLLEY, K. T., and DULIN, T. G. A study of ammonia and nitrate nitrogen for cotton. V. Influence of variety. VI. Influence of certain factors on fruiting. Ga. Agr. Expt. Sta. Bul. 229, 54 p. 1943. Ref., p. 52-54. 100 G29S

Georgia Coastal Plain Experiment Station, Tifton

7885 BISWELL, H. H., and others. Native forage plants of cutover forest lands in the Coastal Plain of Georgia. Ga. Coastal Plain Agr. Expt. Sta. Bul. 37, 43 p. 1943. 100 G292

W. O. Shepherd, B. L. Southwell, and T. S. Boggess, Jr., joint authors.

U. S. Forest Service, Bureau of Animal Industry, Bureau of Plant Industry, Soils, and Agricultural Engineering, and Georgia Experiment Station cooperating.

Hawaii Agricultural Experiment Station, Honolulu

7886 BICE, C. M. Feeding rabbits for meat production (under war-time conditions in Hawaii). Hawaii Agr. Expt. Sta. Prog. Notes 35, 3 p., processed. 1942. 100 H313P

7887 BICE, C. M. Wet and dry mash feeding of Muscovy ducks. Hawaii Agr. Expt. Sta. Prog. Notes 37, 4 p., processed. 1942. 100 H313P

7888 FRAZIER, W. A., MURPHY, F. T., and WADSWORTH, H. A. Some useful implements for commercial vegetable production. Hawaii Agr. Expt. Sta. Prog. Notes 33, 7 p., processed. 1942. 100 H313P

7889 HENKE, L. A., WORK, S. H., and MARUYAMA, CHAS. Koa-haole roughage as a substitute for imported protein supplements fed to dairy cattle. Hawaii Agr. Expt. Sta. Prog. Notes 34, 6 p., processed. 1942. 100 H313P

7890 MILLER, C. D., LOUIS, LUCILE., and YANAZAWA, KISAKO. Vitamin values of Hawaiian grown fruits and vegetables. Hawaii Agr. Expt. Sta. Prog. Notes 36, 7 p., processed. 1942. 100 H313P

Illinois Agricultural Experiment Station, Urbana

7891 GRAHAM, ROBERT, LEVINE, N. D., and MORRILL, C. C. Listerellosis in domestic animals: a technical discussion of field and laboratory investigations. Ill. Agr. Expt. Sta. Bul. 499, 99 p. 1943. Ref., p. 95-99. 100 I16S

Kansas Agricultural Experiment Station, Manhattan

7892 PAYNE, L. F., and GISH, C. L. Grass and alfalfa as silage, forage and meal for poultry. Kans. Agr. Expt. Sta. Bul. 320, 46 p. 1943. 100 K41

Kentucky Agricultural Experiment Station, Lexington

7893 KARRAKER, P. E., and BORTNER, C. E. Cropping and soil management for Burley tobacco. Ky. Agr. Expt. Sta. Bul. 453, 32 p. 1943. 100 K41

7894 WILLIAMS, R. M., and BEERS, H. W. Attitudes toward rural migration and family life in Johnson and Robertson Counties, Kentucky, 1941. Ky. Agr. Expt. Sta. Bul. 452, 40 p. 1943. 100 K41



Louisiana Agricultural Experiment Station, University Station, Baton Rouge

7895 BARLOW, F. D., JR. Soybean production in the Louisiana-Mississippi Delta Area. La. Agr. Expt. Sta. Bul. 369, 23 p. 1943. 100 L93

7897 HITT, H. L. Recent migration into and within the upper Mississippi Delta of Louisiana. La. Agr. Expt. Sta. Bul. 364, 53 p. 1943. 100 L93

7898 LECLERG, E. L. Effect of whole and cut seed on stand and yield of Irish potatoes. La. Agr. Expt. Sta. Bul. 371, 8 p. 1943. 100 L93

U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

7899 SEATH, D. M., STAPLES, C. H., and NEASHAM, E. W. A study of breeding records in dairy herds. La. Agr. Expt. Sta. Bul. 370, 19 p. 1943. 100 L93

Massachusetts Agricultural Experiment Station, Amherst

7900 GUNNESS, C. I. Meteorological observations for November, and December, 1943. Mass. Agr. Expt. Sta. Met. Bul. 659, 660, 4 p. each. 1943. 100 M38H

7901 SMITH, P. H. Inspection of commercial feedstuffs. Mass. Agr. Expt. Sta. Control Ser. Bul. 117, 16 p. 1943. 100 M38H

7902 SMITH, P. H., and others. Inspection of commercial fertilizers and agricultural lime products for the season of 1943. Mass. Agr. Expt. Sta. Control Ser. Bul. 118, 26 p. 1943. 100 M38H

J. W. Kuzmeski, H. R. DeRose, A. F. Spelman, G. T. Smith, L. V. Crowley, J. T. Howard, L. A. Graves, J. A. Bart, J. A. Martell, and C. B. Grover, joint authors.

Michigan Agricultural Experiment Station, East Lansing

7903 LARZELERE, H. E., and LAW, D. K. Farm debt adjustment in Michigan through the St. Paul Federal Land Bank, 1933-1940. Mich. Agr. Expt. Sta. Spec. Bul. 326, 43 p. 1943. 100 M58S

Mississippi Agricultural Experiment Station, State College

7904 MCCOMAS, P. S., and WELCH, F. J. Farm labor requirements in Mississippi. Miss. Agr. Expt. Sta. Bul. 387, 28 p. 1943. 100 M69

7905 MISSISSIPPI farm research, v. 7, No. 1. 8 p. Jan. 1944. 100 M69M1

Missouri Agricultural Experiment Station, Columbia

7906 KOGER, MARVIN, and TURNER, C. W. The effects of mild hyperthyroidism on growing animals of four species. Mo. Agr. Expt. Sta. Res. Bul. 377, 75 p. 1943. Ref., p. 69-75. 100 M693

7907 MIXNER, J. P., and TURNER, C. W. The mam-mogenic hormones of the anterior pituitary. II. The lobule-alveolar growth factor. Mo. Agr. Expt. Sta. Res. Bul. 378, 62 p. 1943. Ref., p. 56-62. 100 M693

7908 JOHNSON, O. R. Some considerations in buying a farm. Mo. Agr. Expt. Sta. Cir. 281, 22 p. 1943. 100 M693

7909 JOHNSON, O. R. Wartime agricultural production and the labor and equipment problem. Mo. Agr. Expt. Sta. Cir. 280, 7 p. 1943. 100 M693

7910 JONES, M. M. Saving gasoline on the farm. Mo. Agr. Expt. Sta. Cir. 282, 4 p. 1943. 100 M693

Nebraska Agricultural Experiment Station, Lincoln

7911 BAKER, M. L. Wintering steer calves. Nebr. Agr. Expt. Sta. Bul. 350, 31 p. 1943. 100 N27

7912 HARRIS, LIONEL, DAVIS, H. P., and SWANSON, PAUL. Sugar beet tops as a feed for dairy cattle. Nebr. Agr. Expt. Sta. Bul. 353, 8 p. 1943. 100 N27

7913 RUDEN, W. L., and FILLEY, H. C. Farm size and its relation to volume of production, operating costs, and net returns; central and southern Nebraska, 1930-1939. Nebr. Agr. Expt. Sta. Bul. 349, 19 p. 1943. 100 N27

New Hampshire Agricultural Experiment Station, Durham

7914 SANBORN, B. G. Results of seed tests for 1943 made for the State Department of Agriculture. N. H. Agr. Expt. Sta. Bul. 349, 14 p. 1943. 100 N45

7915 SMITH, T. O., and DAVIS, H. A. Inspection of commercial fertilizers for 1943 made for the State Department of Agriculture. N. H. Agr. Expt. Sta. Bul. 350, 6 p. 1943. 100 N45

7916 PHILLIPS, T. G., SMITH, T. O., and HARPER, R. H. The composition of timothy. Part I. Young grass and hay. Part II. Storage organs. N. H. Agr. Expt. Sta. Tech. Bul. 81, 22 p. 1943. 100 N45

New York (Cornell) Agricultural Experiment Station, Ithaca

7917 LOVE, H. H., and CRAIG, W. T. Wong, a winter barley for New York. N. Y. (Cornell) Agr. Expt. Sta. Bul. 796, 15 p. 1943. 100 N48C

7918 BIZZELL, J. A. Lysimeter experiments. V. Comparative effects of ammonium sulfate and sodium nitrate on removal of nitrogen and calcium from the soil. N. Y. (Cornell) Agr. Expt. Sta. Mem. 252, 24 p. 1943. 100 N48C

7919 BUTT, F. H. Comparative study of mouth parts of representative Hemiptera-Homoptera. N. Y. (Cornell) Agr. Expt. Sta. Mem. 254, 28 p. 1943. 100 N48C

7920 FOOTE, NELSON, ANDERSON, W. A., and MCKAIN, W. C., JR. Families displaced in a federal sub-marginal land purchase problem. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rural Sociol. Mimeog. Bul. 11, 34 p. 1944. 100 N48Cm

New York (State) Agricultural Experiment Station, Geneva

7921 SIXTY-SECOND annual report of the New York State Agricultural Experiment Station for the year ended June 30, 1943. 75 p. 1944. 100 N48

Research reported by the Divisions of Bacteriology, Chemistry, Dairying, Entomology, Plant Pathology, Pomology, Seed Investigations, and Vegetable Crops.

Ohio Agricultural Experiment Station, Wooster

7922 MCKAY, HUGHINA, and PATTON, M. B. Food consumption of college men. Ohio Agr. Expt. Sta. Bul. 646, 17 p. 1943. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

7923 BROOKS, J. S., and CROSS, C. B. Performance tests of corn varieties and hybrids, 1943. Okla. Agr. Expt. Sta. Bul. B-277, 15 p. 1944. 100 Oh4

7924 HELLER, V. G., and SEIGLINGER, J. B. Chemical composition of Oklahoma grain sorghums. Okla. Agr. Expt. Sta. Bul. B-274, 7 p. 1944. 100 Ok4



- 7925 AFANASIEV, MICHEL. Eradication of trees and shrubs. Okla. Agr. Expt. Sta. Misc. Pub. MP-8, 8 p. 1943. 100 Ok4
- 7926 CURRENT farm economics, v. 16, No. 6, p. 171-204. Dec. 1943. 100 Ok4

Pennsylvania Agricultural Experiment Station, State College

- 7927 ANDERSON, T. G., and NICHOLAS, J. E. Influence of cooling methods on bacteria in milk. Pa. Agr. Expt. Sta. Bul. 454, 17 p. 1943. 100 P381
- 7928 BRUNNER, H. S., and SIMMONS, S. F. Teaching rural law in Pennsylvania vocational high schools. Pa. Agr. Expt. Sta. Bul. 450, 33 p. 1943. 100 P381
- 7929 CALLENBACH, E. W., NICHOLAS, J. E., and MURPHY, R. B. Effect of light and availability of feed on egg production. Pa. Agr. Expt. Sta. Bul. 455 14 p. 1943. 100 P381
- 7930 FORBES, E. B., SWIFT, R. W., and BRATZLER, J. W. Energy values of a group of silages. Pa. Agr. Expt. Sta. Bul. 453, 13 p. 1943. 100 P381
- Feeding experiments with beef cattle.
- 7931 GLEISSNER, B. D. Biology and control of berry moth *Polychrosis viteana* (Clemens), in the Erie Grape Belt, with notes on other grape insects. Pa. Agr. Expt. Sta. Bul. 451, 74 p. 1943. 100 P381
- 7932 KEITH, T. B., and others. Feed mixtures for young pigs. Pa. Agr. Expt. Sta. Bul. 456, 10 p. 1943. 100 P381
- R. C. Miller, M. A. McCarty, and W. T. S. Thorp, joint authors.
- 7933 MILLER, R. C., and others. Nutritive requirements of young pigs. Pa. Agr. Expt. Sta. Bul. 449, 18 p. 1943. 100 P381
- T. B. Keith, W. T. S. Thorp, and M. A. McCarty, joint authors.
- 7934 MUSSER, H. B., and THORNTON, J. K. Local, domestic and foreign red clover seed. Pa. Agr. Expt. Sta. Bul. 458, 16 p. 1943. 100 P381
- 7935 SCHROEDER, E. W., and LINK, C. B. A community dehydrator from non-critical materials. Pa. Agr. Expt. Sta. Bul. 448, 18 p. 1943. 100 P381
- 7936 SCIENCE for the farmer: fifty-sixth annual report of the Pennsylvania Agricultural Experiment Station for the fiscal year ended June 30, 1943. Pa. Agr. Expt. Sta. Bul. 446, Sup. 1, 10 p. 1943. 100 P381

Tennessee Agricultural Experiment Station, Knoxville

- 7937 MARCOVITCH, SIMON, and STANLEY, W. W. Control of bean beetle *Epilachna varivestis*, on snap beans. Tenn. Agr. Expt. Sta. Cir. Inform. 68, 2 p., processed. 1944. 100 T25C
- 7938 ALLRED, C. E., GUILFORD, M. M., and BONSER, H. J. Why farmers move or change tenure status. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociol. Dept. Rural Res. Ser. Monog. 159, 40 p., processed. 1943. 173.2 W89Co

- 7939 LUEBKE, B. H., BOWAN, W. S., and MANTLE, C. C. Consumption of dairy products in Knoxville. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociol. Dept. Rural Res. Ser. Monog. 164, 34 p., processed. 1944. 173.2 W89Co

- 7940 RANNEY, W. P. Production capacity of farms of different size groups, Jefferson County, Tennessee. Tenn. Agr. Expt. Sta. Agr. Econ. and Rural Sociol. Dept. Rural Res. Ser. Monog. 163, 55 p., processed. 1944. 173.2 W89Co

Texas Agricultural Experiment Station, College Station

- 7941 FRAPS, G. S., and others. The carotene consuming power of certain feeds. Tex. Agr. Expt. Sta. Bul. 637, 23 p. 1943. 100 T31S
- W. W. Meinke, Raymond Reiser, and R. M. Sherwood, joint authors.
- 7942 JONES, J. H., and others. Vitamin A studies in fattening feeder calves and yearlings. Tex. Agr. Expt. Sta. Bul. 630, 52 p. 1943. 100 T31S
- H. Schmidt, R. E. Dickson, G. S. Fraps, J. M. Jones, J. K. Riggs, A. R. Kemmerer, P. E. Howe, W. H. Black, N. R. Ellis, and P. T. Marion, joint authors.
- U. S. Bureau of Animal Industry cooperating.

Virginia Agricultural Experiment Station, Blacksburg

- 7943 GREEN, W. W. The production of sun-cured tobacco in Virginia. Va. Agr. Expt. Sta. Bul. 356, 12 p. 1943. 100 V81S
- 7944 AZAR, EMANUEL, and CARDWELL, D. W. Run-off from small agricultural areas of Dunmore silt loam and related soils in the limestone valleys and upland section in the southeast. Va. Agr. Expt. Sta. Tech. Bul. 90, 20 p. 1943. 100 V81S
- U. S. Soil Conservation Service cooperating.
- Folded map included.

Washington Agricultural Experiment Station, Pullman

- 7945 CARVER, J. S., BRANT, A. W., and EVANS, R. J. Soybean oil meal in the laying ration. Wash. Agr. Expt. Sta. V Cir. 15, 4 p. 1944. 100 W27E

West Virginia Agricultural Experiment Station, Morgan town.

- 7946 WEITZELL, E. C., and MILLER, L. P. Forest-land utilization in Nicholas and Webster Counties, West Virginia. W. Va. Agr. Expt. Sta. Bul. 309, 66 p. 1943. 100 W52
- U. S. Bureau of Agricultural Economics cooperating.
- Folded maps.

- 7947 BOWLING, G. A., and FUTNAM, D. N. Watch your dairy cattle grow. W. Va. Agr. Expt. Sta. Cir. 79, 10 p. 1943. 100 W52

Wisconsin Agricultural Experiment Station, Madison

- 7948 JOHNSON, JAMES, and OGDEN, W. B. Tobacco fertilizer experiments in Dane County. Wis. Agr. Expt. Sta. Res. Bul. 149, 30 p. 1943. 100 W75



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

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Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Polytechnic Institute, Agricultural Extension Service, Auburn

- 7949 AMOS, MARIE. Feed the family first. Ala. Polytech. Inst. Agr. Ext. Cir. 266, 8 p. 1944. 275.29 A11C
- 7950 BURNS, F. W., and LOWERY, J. C. 8 point milk production program for 1944. Ala. Polytech. Inst. Agr. Ext. Cir. 267, 8 p. 1944. 275.29 A11C
- 7951 CURTIS, LAVADA. Canning and drying. Ala. Polytech. Inst. Agr. Ext. Cir. 246, 12 p. 1943. 275.29 A11C
- 7952 DEARING, H. W., JR., and CHAMBERS, E. H. An all-purpose electric brooder. Ala. Polytech. Inst. Agr. Ext. Cir. 239, 10 p. 1943. 275.29 A11C
- 7953 GREGORY, W. H. Beef cattle production in Alabama. Ala. Polytech. Inst. Agr. Ext. Cir. 257, 16 p. 1943. 275.29 A11C
- 7954 GREGORY, W. H. Making a rope halter. Ala. Polytech. Inst. Agr. Ext. Cir. 242, 4 p. 1943. 275.29 A11C
- 7955 HAYNES, CATHERINE. Slips. Ala. Polytech. Inst. Agr. Ext. Cir. 252, 8 p. 1943. 275.29 A11C
- 7956 HOW TO dehydrate food at home. Ala. Polytech. Inst. Agr. Ext. Cir. 244, 16 p. 1943. 275.29 A11C
- 7957 IVEY, J. E., and DEARING, H. W., JR. Backyard egg production. Ala. Polytech. Inst. Agr. Ext. Cir. 243, 8 p. 1943. 275.29 A11C
- 7958 IVEY, J. E. Growing profitable pullets. Ala. Polytech. Inst. Agr. Ext. Cir. 251, 16 p. 1943. 275.29 A11C
- 7959 LOWERY, J. C. Crimson clover for grazing and soil improvement. Ala. Polytech. Inst. Agr. Ext. Cir. 254, 8 p. 1943. 275.29 A11C
- 7960 LOWERY, J. C., and ALBRECHT, H. R. Seed saving on Alabama farms. Ala. Polytech. Inst. Agr. Ext. Cir. 256, 8 p. 1943. 275.29 A11C
- 7961 MAJORS, ELTA. Good family life in wartime. Ala. Polytech. Inst. Agr. Ext. Cir. 253, 8 p. 1943. 275.29 A11C
- 7962 MAJORS, ELTA. Home and community health and recreation. Ala. Polytech. Inst. Agr. Ext. Cir. 247, 4 p. 1943. 275.29 A11C
- 7963 MAJORS, ELTA. Teen-age boys and girls. Ala. Polytech. Inst. Agr. Ext. Cir. 259, 8 p. 1943. 275.29 A11C
- 7964 QUINN, A. H., and others. Killing, cutting, curing and storing pork on Alabama farms. Ala. Polytech. Inst. Agr. Ext. Cir. 255, 19 p. 1943. 275.29 A11C
- D. M. Turney, W. E. Sewell, and W. H. Gregory, joint authors.

- 7965 HUFFIN, W. A. Backyard gardening. Ala. Polytech. Inst. Agr. Ext. Cir. 240, 4 p. 1943. 275.29 A11C
- 7966 WHISMANT, M. N. How to make household equipment last longer. Ala. Polytech. Inst. Agr. Ext. Cir. 245, 4 p. 1943. 275.29 A11C
- 7967 WHISMANT, M. N. Planned spending: farm family spending and total war. Ala. Polytech. Inst. Agr. Ext. Cir. 249, 4 p. 1943. 275.29 A11C
- 7968 WHISMANT, M. N. Save money for victory and future security. Ala. Polytech. Inst. Agr. Ext. Cir. 250, 4 p. 1943. 275.29 A11C
- 7969 WHISMANT, M. N. Streamlined housekeeping a vital part of the war program. Ala. Polytech. Inst. Agr. Ext. Cir. 248, 4 p. 1943. 275.29 A11C
- 7970 WILSON, J. B. Cost per hour of using farm machinery. Ala. Polytech. Inst. Agr. Ext. Cir. 238, 4 p. 1943. 275.29 A11C

California University, College of Agriculture, Agricultural Extension Service, Berkeley

- 7971 DECKER, J.-L. F. Home furnishing program: tying springs in upholstery. Calif. Agr. Col. Ext. H. D. 490, 6 p. 1944. 275.29 C122
- 7972 HERTEL, J. P., and SHULTIS, ARTHUR. Twelfth annual poultry management study of San Bernardino County, 1942. 8 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En
- 7973 HOWARD, C. B., STAHL, E. V., and FLUHARTY, L. W. Poultry management study: an analysis of the operation of seven Fresno County poultry farms for the year 1942. 13 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En
- 7974 SECOND annual report, Alameda County poultry management study for the record year Oct. 1, 1942 to Sept. 30, 1943. 7 p., processed. Calif. Agr. Col. Ext. Serv., 1943. 275.29 C12En
- 7975 SHULTIS, ARTHUR. North coast counties sheep management study, 1942: a study of income, costs and net income of 14 sheep enterprises in Mendocino, Lake, Sonoma, and Marin Counties. 12 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En
- 7976 SMOYER, K. M. Citrus production costs, 1942, Los Angeles County. 24 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En
- 7977 SULLIVAN, WALLACE, and SALTER, A. G. Citrus production cost study, grapefruit & lemons, San Bernardino County, 1942, including ten year summary 1932-1942. 34 p., processed. Calif. Agr. Col. Ext., 1943. 275.29 C12En

Colorado State College of Agriculture, Extension Service, Fort Collins

- 7978 FERGUSON, C. W., and FORNEY, BELLE. Organization of 4-H club work. Colo. State Col. Agr. Ext. Bul. 377-A, 36 p. 1943. 275.29 C71E
- 7979 DAVENPORT, ECKINE. Care of the pressure cooker. Colo. State Col. Agr. Ext. Cir. 1875, 4 p. 1943. 275.29 C71C
- 7980 ECKBLAD, I. M., and SANDHOUSE, H. A. Making cheese at home. Colo. State Col. Agr. Ext. Cir. 1873, 4 p. 1943. 275.29 C71C
- 7981 SANDHOUSE, H. A. Making and storing butter on the farm. Colo. State Col. Agr. Ext. Cir. 1874, 4 p. 1943. 275.29 C71C
- 7982 SANDHOUSE, H. A., and CROSS, F. C. Mastitis in dairy cattle. Colo. State Col. Agr. Ext. Cir. 1876, 4 p. 1943. 275.29 C71C
- 7983 ECKBLAD, I. M. Drying fruits and vegetables. Colo. State Col. Agr. Ext. D-47, 8 p. 1943. 275.29 C71D
- 7984 PYKE, W. E., and BINKLEY, A. M. Freezing fruits and vegetables. Colo. State Col. Agr. Ext. D-42, 16 p. 1943. 275.29 C71D



7985 SANDHOUSE, H. A., UFFORD, O. C., and ALLEN, A. C. Feeding wheat to livestock and poultry. Colo. State Col. Agr. Ext. D-38, 8 p. 1943. 275.29 C71D

Connecticut University. College of Agriculture. Agricultural Extension Service. Storrs

7986 JONES, R. E. The Connecticut 24' x 24' poultry house. Conn. Agr. Col. Ext. Bul. 347, rev., 48 p. 1943. 275.29 C76B

Revision of 284.

7987 STRATTON, G. E. Cleaning upholstery at home. 11 p., processed. Conn. Agr. Col. Ext., 1943. 275.29 C76W1

Idaho University. College of Agriculture. Extension Service. Moscow

7988 MORE eggs in the basket. Idaho Agr. Col. Rural Electrification. Ext. Leaflet 50, 2 p. 1944. 275.29 Id13Ir

Illinois University. College of Agriculture. Extension Service. Urbana

7989 LINDSTROM, D. E., and REGNIER, E. H. You can have good neighborhood meetings. Ill. Agr. Col. Ext. Cir. 565, 8 p. 1943. 275.29 I162C

7990 MILUM, V. G. Honey production. Ill. Agr. Col. Ext. Cir. 566, 52 p. 1944. 275.29 I162C

7991 ROSS, R. C. Figuring the 1943 income tax: suggestions for Illinois farmers. Ill. Agr. Col. Ext. Cir. 569, 31 p. 1944. 275.29 I162C

An adaptation of Purdue Univ. Agr. Ext. Bul. 287.

7992 CATTLE feeding recommendations for 1944. Ill. Agr. Col. Ext. FF-4, rev., 4 p. 1943. 275.29 I162Pfa

7993 DAIRY cattle feeding and management geared to 1944 production needs. Ill. Agr. Col. Ext. FF-9, 12 p. 1943. 275.29 I162Pfa

7994 KNOW your feed needs. Ill. Agr. Col. Ext. FF-10, 6 p. 1943. 275.29 I162Pfa

Indiana - Purdue University. Agricultural Extension Service. La Fayette

7995 AINSWORTH, H. F., and RALSTON, J. C. 4-H beef calf club manual. Purdue Univ. Agr. Ext. Bul. 167, 4th rev. ed., 20 p. 1943. 275.29 In2E

7996 BURKHOLDER, C. L., and MCCOWN, MONROE. Pruning suggestions for Indiana apple orchards. Purdue Univ. Agr. Ext. Bul. 160, 2d rev. ed., 16 p. 1943. 275.29 In2E

7997 CHINN, R. H. Suggestions to Indiana farmers on making Federal income tax returns, 1943. Purdue Univ. Agr. Ext. Bul. 287, rev., 26 p. 1943. 275.29 In2E

7998 DAVIS, J. J. Poultry lice, mites, and bedbugs. Purdue Univ. Agr. Ext. Bul. 218, 3d rev. ed., 8 p. 1943. 275.29 In2E

7999 GENERAL rules and summary 4-H club projects in agriculture. Purdue Univ. Agr. Ext. Bul. 272, 2d rev. ed., 20 p. 1943. 275.29 In2E

8000 GENERAL rules and summary 4-H club projects in home economics. Purdue Univ. Agr. Ext. Bul. 271, 2d rev. ed., 15 p. 1943. 275.29 In2E

8001 HAZELTON, H. W., and RUSSELL, MARION. Keeping fit for farm work. Purdue Univ. Agr. Ext. Bul. 299, 12 p. 1943. 275.29 In2E

8002 HENDERSON, P. A. Ways to save labor on Indiana farms during wartime. Purdue Univ. Agr. Ext. Bul. 298, 8 p. 1943. 275.29 In2E

Listing and analyzing jobs on the farm.

8003 MCCOWN, MONROE, DAVIS, J. J., and BAINES, R. C. Raspberries and blackberries. Purdue Univ. Agr. Ext. Bul. 191, 3d rev. ed., 10 p. 1943. 275.29 In2E

8004 MCCOWN, MONROE, and others. Strawberries for home and market. Purdue Univ. Agr. Ext. Bul. 174, 5th rev. ed., 12 p. 1943. 275.29 In2E  
C. E. Baker, J. J. Davis, R. C. Baines, and G. E. Lehker, joint authors.

8005 THE OUTLOOK for Indiana agriculture, 1944. Purdue Univ. Agr. Ext. Bul. 302, 31 p. 1943. 275.29 In2E

8006 SCHWAB, JOHN. How to handle the brood sow and her litter. Purdue Univ. Agr. Ext. Bul. 65, 6th rev. ed., 7 p. 1943. 275.29 In2E

8007 SHAW, T. E. How to pile and season native lumber. Purdue Univ. Agr. Ext. Bul. 300, 6 p. 1943. 275.29 In2E

8008 WARD, W. B. Helps for the home garden. Purdue Univ. Agr. Ext. Bul. 238, 3d rev. ed., 20 p. 1944. 275.29 In2E

8009 ZARING, BLANCHE. Braided rugs. Purdue Univ. Agr. Ext. Bul. 301, 8 p. 1943. 275.29 In2E

8010 DOYLE, L. P. Roup and chicken pox. Purdue Univ. Agr. Ext. Leaflet 147, 3d rev. ed., 6 p. 1943. 275.29 In2L

8011 FARM outlook for Indiana, 1944. Purdue Univ. Agr. Ext. Leaflet 253, 6 p. 1943. 275.29 In2L  
Based on a more detailed report entitled "The Outlook for Indiana Agriculture in 1944," published as Bulletin 302.

8012 FEED the soil to feed more people. Purdue Univ. Agr. Ext. Leaflet 242, 6 p. 1943. 275.29 In2L

8013 SCHWAB, JOHN. Selection, management, and feeding of breeding hogs. Purdue Univ. Agr. Ext. Leaflet 219, 3d rev. ed., 6 p. 1943. 275.29 In2L

8014 WILHELM, L. A., and SICER, J. W. Range shelters for Indiana pullets. Purdue Univ. Agr. Ext. Leaflet 251, 8 p. 1943. 275.29 In2L

Kansas State College of Agriculture and Applied Science. Extension Service. Manhattan

8015 HOUSEHOLD equipment, its care and simple repair. Kans. State Col. Agr. Ext. Bul. 90, 36 p. 1943. 275.29 K13E

8016 WIGGINS, M. C. Your wardrobe needs - tailoring coats. Kans. State Col. Agr. Ext. Bul. 89, 20 p. 1943. 275.29 K13E

8017 THE KANSAS agricultural outlook for 1944. Kans. State Col. Agr. Ext. Cir. 173, 8 p. 1943. 275.29 K12Ex

Maine University. College of Agriculture. Agricultural Extension Service. Orono

8018 MINOR, B. B. Maine farm families and the war, 1941-43. Maine Agr. Col. Ext. Bul. 320, 17 p. 1944. 275.29 M281B

The work of the Maine Extension Service.

8019 CHUCKA, J. A., and WYMAN, O. L. Buying fertilizer in Maine in 1943. Maine Agr. Col. Ext. Cir. 170, 6 p. 1943. 275.29 M281C

8020 LADINO clover. Maine Agr. Col. Ext. Cir. 172, rev., 12 p. 1943. 275.29 M281C

8021 THE AGRICULTURAL situation and outlook. Maine Agr. Col. Ext. Farm Econ. Facts, No. 53, p. 1147-1166, processed. 1943. 275.29 M281F

Massachusetts State College. Extension Service. Amherst

8022 DONALDSON, R. W. 1943 wartime fertilizers. Mass. State Col. Ext. Spec. Cir. 95, 4 p. 1943. 275.29 M381Sc

8023 ARCHTRALD, J. G. Raising the dairy calf. Mass. State Col. Ext. Leaflet 94, rev., 8 p. 1943. 275.29 M381L

8024 KLEIN, G. T. Poultry feeding. Mass. State Col. Ext. Leaflet 6, rev., 12 p. 1943. 275.29 M381L



- 8025 THIES, W. H. Top grafting fruit trees. Mass. State Col. Ext. Leaflet 117, rev., 12 p. 1943. 275.29 M381L
- 8026 FARMING with less fertilizer. 4 p. Mass. State Col. Ext., 1943. 275.29 M381Sc

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

- 8027 FERTILIZER recommendations for 1944. Mich. State Col. Agr. Ext. Bul. 159, rev., 11 p. 1944. 275.29 M58B
- 8028 POND, JULIA. Planning the use of the family dollar. Mich. State Col. Agr. Ext. Bul. 256, 15 p. 1944. 275.29 M58B
- 8029 LUNDIN, P. G., and MOORE, J. M. 4-H poultry club projects. Mich. State Col. Agr. Ext. Club Bul. 18, rev., 65 p. 1943. 275.29 M58C
- 8030 COLE, C. L., and BENTON, E. L. Controlling sheep parasites. Mich. State Col. Agr. Ext. Folder F-52, rev., 8 p. 1943. 275.29 M48Ex
- 8031 DOWN, E. E., and others. Corn hybrids compared. Mich. State Col. Agr. Ext. Folder F-67, 4 p. 1944. 275.29 M48Ex
- J. W. Thayer, Jr., E. Vander Meulan, A. A. Johnson, and H. C. Rafter, joint authors.
- 8032 MICHIGAN'S 1944 crops program. Mich. State Col. Agr. Ext. Folder F-68, 11 p. 1944. 275.29 M58Ex
- 8033 RATHER, H. C., and PETTIGROVE, H. R. For more feed - for land's sake use - seedings in corn. Mich. State Col. Agr. Ext. Folder 66, 4 p. 1944. 275.29 M48Ex
- Intercropping of sweet clover and ryegrass with corn for erosion control and green manure.

Mississippi State College, Extension Service, State College

- 8034 HOW TO dehydrate food at home. Miss. State Col. Ext. Leaflet 50, 16 p. 1943. 275.29 M68E
- Includes plans for home-made dehydrator.

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

- 8035 ANDERSON, J. W. C., and CLOUGH, R. S. Essential practices in growing thirteen popular vegetables: tomatoes, bush beans, dry beans, Irish potatoes, sweet potatoes, sweet corn, cabbage, peas, cucumbers, muskmelons, squashes, pumpkins and watermelons. Mo. Agr. Col. Ext. Cir. 499, 16 p. 1943. 275.29 M69C
- 8036 CARL, F. L., and JOPLING, L. K. Soybeans in family meals. Mo. Agr. Col. Ext. Cir. 500, 12 p. 1943. 275.29 M69C

New Hampshire University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

- 8037 ELLIS, E. E., and SANBORN, M. L. Home canning guide. N. H. Agr. Col. Ext. Bul. 57, rev., 16 p. 1943. 275.29 N45
- 8038 POTATO growing in New Hampshire. N. H. Agr. Col. Ext. Bul. 45, rev., 32 p. 1943. 275.29 N45
- 8039 SERVING New Hampshire farms and homes: annual report of director of cooperative extension work in agriculture and home economics, University of New Hampshire, 1942. N. H. Agr. Col. Ext. Bul. 63, 35 p. 1943. 275.29 N45
- 8040 LATIMER, L. P. Strawberry culture. N. H. Agr. Col. Ext. Cir. 211, rev., 6 p. 1943. 275.29 N45C
- 8041 KLENNER, H. A. The use of home grown grains in feeding the dairy herd. N. H. Agr. Col. Ext. Folder 10, 4 p. 1943. 275.29 N452Fo

- 8042 RAWLINGS, C. O. Handling apples. N. H. Agr. Col. Ext. Folder 9, 4 p. 1943. 275.29 N452Fo
- 8043 HEPLER, J. R. The storage of vegetables. N. H. Agr. Col. Ext. Press Bul. 192, 2 p. 1943. 275.29 N45P

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

- 8044 BOTSFORD, H. E. 4-H poultry demonstrations. N. Y. (Cornell) Agr. Col. Ext. Bul. 62, 64 p. 1943.
- 8045 GUTHRIE, E. S. Butter-making on the farm. N. Y. (Cornell) Agr. Col. Ext. Bul. 269, rev., 16 p. 1943. 275.29 N48E
- 8046 PALMER, E. L. The mastery of water. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet, v. 37, No. 2, 32 p. 1943. 275.29 N48R
- An aid to a better understanding of boats and ships.

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

- 8047 NISWONGER, H. R. The farm and home garden manual. N. C. Agr. Col. Ext. Cir. 122, rev., 24 p. 1943. 275.29 N81L
- 8048 NISWONGER, H. R. Fruits and nuts for home use. N. C. Agr. Col. Ext. Cir. 210, 19 p. 1943. 275.29 N81L
- 8049 SNODGRASS, D. C. 4-H sheep club manual. N. C. Agr. Col. Ext. Club Ser. 30, 12 p. 1943. 275.29 N81LC
- 8050 THOMAS, M. E., and BROOKS, SALLIE. Food preparation for 4-H club members. N. C. Agr. Col. Ext. Club Ser. 15, rev., 31 p. 1943. 275.29 N81LC
- 8051 MORRIS, C. C. Canning meats. N. C. Agr. Col. Ext. Folder 48, rev., 6 p. 1943. 275.29 N81LE
- 8052 BEELER, M. W. Against hunger. N. C. Agr. Col. Ext. War Ser. Bul. 25, 7 p. 1943. 275.29 N81LW
- Reprinted from Capper's Farmer 54(7): 8-9, July 1943. Value of research in achieving the present rate of food production.
- 8053 NORTH Carolina fights with extra food. N. C. Agr. Col. Ext. War Ser. Bul. 28, 12 p. 1943. 275.29 N81LW
- 8054 SHOFFNER, R. W., and HOLMES, H. C. Making farm income tax returns for 1943. N. C. Agr. Col. Ext. War Ser. Bul. 27, 4 p. 1943. 275.29 N81LW
- 8055 ANNUAL report of the North Carolina Agricultural Extension Service for 1942. 24 p. N. C. Agr. Col. Ext., 1943. 275.29 N81LA

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

- 8056 BEALL, THELMA, and BLAUSER, I. P. Electric wiring and its protection. Part II. Ohio Agr. Col. Ext. R. E. Cir. 55, 1 p. 1944. 275.29 Oh32Rec
- 8057 BEALL, THELMA, and BLAUSER, I. P. Electric wiring and its protection. Part III. Ohio Agr. Col. Ext. R. E. Cir. 57, 1 p. 1944. 275.29 Oh32Rec
- 8058 BEALL, THELMA. When a fuse blows. Ohio Agr. Col. Ext. R. E. Cir. 58, 1 p. 1944. 275.29 Oh32Rec
- 8059 BLAUSER, I. P. Portable grain elevators. Ohio Agr. Col. Ext. R. E. Cir. 54, 1 p. 1944. 275.29 Oh32Rec
- 8060 BLAUSER, I. P. Pulley sizes for electric drive. Ohio Agr. Col. Ext. R. E. Cir. 56, 1 p. 1944. 275.29 Oh32Rec
- 8061 BLAUSER, I. P. Wire sizes for electric motors. Ohio Agr. Col. Ext. R. E. Cir. 59, 1 p. 1944. 275.29 Oh32Rec
- 8062 THE AGRICULTURAL outlook for 1944 with reference to the war-time program. Ohio Agr. Col. Ext. Timely Econ. Inform. for Ohio Farmers, No. 191, 24 p. 1943. 275.29 Oh32T1



Oklahoma Agricultural and Mechanical College, Extension Division, Stillwater

- 8063 4-H VICTORY project for girls 8 - 9 years of age. Okla. Agr. Col. Ext. Cir. 384, 13 p. 1943. 275.29 Ok41C
- 8064 MCDUFFIE, V. A. Reupholstering at home. Okla. Agr. Col. Ext. Cir. 386, 11 p. 1944. 275.29 Ok41C
- 8065 MOORING, D. C. Hotbeds and cold frames. Okla. Agr. Col. Ext. Cir. 211, rev., 7 p. 1943. 275.29 Ok41C
- 8066 STILES, C. F. Principles of beekeeping for beginners. Okla. Agr. Col. Ext. Cir. 238, rev., 30 p. 1943. 275.29 Ok41C
- 8067 CHAFFIN, WESLEY, and ELLITHORP, R. W. Better cotton through improved harvesting and ginning practices. Okla. Agr. Col. Ext. OP-88, 8 p. 1944. 275.29 Ok41Op
- 8068 CHAFFIN, WESLEY, and GRAUMANN, HUGO. Small grains for winter pasture in Oklahoma. Okla. Agr. Col. Ext. OP-89, 6 p. 1944. 275.29 Ok41Op
- 8069 DURHAM, S. B. Mow the pasture - it pays. Okla. Agr. Col. Ext. OP-85, 4 p. 1944. 275.29 Ok41Op
- 8070 GOODMAN, BONNIE. Better care of kitchen stoves: kerosene and wood or coal. Okla. Agr. Col. Ext. OP-72, 8 p. 1944. 275.29 Ok41Op
- 8071 MCPHETERS, MARTHA. Storage of home canned and dehydrated fruits. Okla. Agr. Col. Ext. OP-91, 8 p. 1944. 275.29 Ok41Op
- 8072 MERRIFIELD, MARTHA. Rayons and their care. Okla. Agr. Col. Ext. OP-93, 6 p. 1944. 275.29 Ok41Op
- 8073 MERRIFIELD, MARTHA. Work clothes for women. Okla. Agr. Col. Ext. OP-92, 8 p. 1944. 275.29 Ok41Op
- 8074 OKLAHOMA'S number one farm problem now is to plan to produce more fall and winter pastures. Okla. Agr. Col. Ext. OP-87, 6 p. 1944. 275.29 Ok41Op
- 8075 RIGDON, H. P. Fuel wood and the war. Okla. Agr. Col. Ext. OP-90, 8 p. 1944. 275.29 Ok41Op
- 8076 RIGDON, H. P. Trees for victory. Okla. Agr. Col. Ext. OP-86, 8 p. 1944. 275.29 Ok41Op

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

- 8077 GARDONA, C. J. Las lombrices en el becerro (prevención y tratamiento). P. R. Agr. Col. Ext. Spec. Cir. 14, 7 p. 1943. 275.29 P96Cc
- 8078 COMO y donde solicitar los prestamos del Banco Federal Agrícola y del Banco Agrícola en Puerto Rico. P. R. Agr. Col. Ext. Spec. Cir. 11, 11 p. 1943. 275.29 P96Cc
- 8079 CORREA, ALBERTO. La repressión de la "Oruga de la Hoja" [Alabama argillacea], en las plantaciones de algodón. P. R. Agr. Col. Ext. Spec. Cir. 15, 4 p. 1943. 275.29 P96Cc
- 8080 GAZTAMBIDE ARRILLAGA, CARLOS. Los minerales como suplemento en la alimentación de los animales. P. R. Agr. Col. Ext. Spec. Cir. 17, 6 p. 1943. 275.29 P96Cc
- 8081 GAZTAMBIDE ARRILLAGA, CARLOS. Las yerbas forrajeras de Puerto Rico como alimento para ganado lechero. P. R. Agr. Col. Ext. Spec. Cir. 13, 4 p. 1943. 275.29 P96Cc
- 8082 GONZALEZ, L. M. Los efectos de la inflación en nuestra agricultura. P. R. Agr. Col. Ext. Spec. Cir. 12, 8 p. 1943. 275.29 P96Cc
- 8083 ZAYAS CHARDON, HECTOR. Las sociedades cooperativas. 7 p. P. R. Agr. Col. Ext., 1943. 275.29 P96Cc

Rhode Island State College, Extension Service, Kingston

- 8084 CHRISTOPHER, E. P. Spray thoroughly for clean fruit. R. I. State Col. Ext. Mimeog. Cir. 10, rev., 7 p. 1943. 275.29 R34M

South Carolina, Clemson Agricultural College, Extension Service, Clemson

- 8085 THE COTTON contest, 1943, for better yield and staple value. Clemson Agr. Col. S. C. Ext. Cir. 253, 16 p. 1944. 275.29 So8E
- Sponsored by the Cotton Manufacturers' Association of South Carolina in cooperation with the South Carolina Extension Service.
- 8086 NETTLES, W. C. For more milk, beef, leather, control cattle grubs. Clemson Agr. Col. S. C. Ext. Cir. 250, 8 p. 1943. 275.29 So8E

South Dakota State College of Agriculture, Extension Service, Brookings

- 8087 LYNDE, L. A. The family's baby. S. Dak. State Col. Agr. Ext. Cir. 406, 7 p. 1943. 275.29 So85
- 8088 NELSON, K. L. Your health and work. S. Dak. State Col. Agr. Ext. Cir. 405, 4 p. 1944. 275.29 So85

Tennessee University, College of Agriculture, Agricultural Extension Service, Knoxville

- 8089 HENDRICKS, H. E. Grow cover crops this fall. Tenn. Agr. Col. Ext. Leaflet 6, rev., 8 p. 1943. 275.29 T25L
- 8090 PELTON, W. C. Fertilizers for garden vegetables. Tenn. Agr. Col. Ext. Leaflet 66, 4 p. 1944. 275.29 T25L
- 8091 PELTON, W. C. Victory garden plant frames. Tenn. Agr. Col. Ext. Leaflet 65, 4 p. 1944. 275.29 T25L
- 8092 CHADWELL, A. J., MCSPADDEN, B. J., and PARKER, J. E. Feeding laying hens. Tenn. Agr. Col. Ext. Pub. 157, rev., 8 p. 1943. 275.29 T25
- 8093 PELTON, W. C. Control of diseases and insect pests of Irish and sweet potatoes. Tenn. Agr. Col. Ext. Pub. 182, rev., 4 p. 1943. 275.29 T25

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

- 8094 RAY, C. B. Cooperatives: questions and answers. Tex. Agr. Col. Ext. C-208, 8 p. 1944. 275.29 T312C

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

- 8095 BROOKS, C. P. Care and repair of linens and bedding. Vt. Agr. Col. Ext. Brieflet 683, 8 p., processed. 1943. 275.29 V59E
- 8096 BROOKS, C. P. Conserving household textiles. Vt. Agr. Col. Ext. Brieflet 681, 7 p., processed. 1943. 275.29 V59E
- 8097 BROOKS, C. P. Everyday care of furniture. Vt. Agr. Col. Ext. Brieflet 680, 5 p., processed. 1943. 275.29 V59E
- 8098 BROOKS, C. P. Laundering for conservation. Vt. Agr. Col. Ext. Brieflet 676, 12 p., processed. 1943. 275.29 V59E
- 8099 BROOKS, C. P. Saving and spending the family dollar in wartime. Vt. Agr. Col. Ext. Brieflet 689, 6 p., processed. 1943. 275.29 V59E
- 8100 CARTER, R. M. Save work in feeding cows. Vt. Agr. Col. Ext. Brieflet 687, 4 p. 1943. 275.29 V59E



- 8101 SOMMERFELD, EDNA. The care of velveteen and corduroy. Vt. Agr. Col. Ext. Brieflet 690, 2 p., processed. 1943. 275.29 V59E
- 8102 SOMMERFELD, EDNA. Make your old coat new. Vt. Agr. Col. Ext. Brieflet 682, 7 p., processed. 1943. 275.29 V59E
- 8103 SOMMERFELD, EDNA. Protect and waterproof your shoes. Vt. Agr. Col. Ext. Brieflet 691, 2 p., processed. 1943. 275.29 V59E
- 8104 SOMMERFELD, EDNA. Repairing a man's shirt. Vt. Agr. Col. Ext. Brieflet 679, 6 p., processed. 1943. 275.29 V59E
- 8105 SOMMERFELD, EDNA. Re-using yarn and re-pairing knitted garments. Vt. Agr. Col. Ext. Brieflet 684, 15 p., processed. 1943. 275.29 V59E
- 8106 STOLLBERG, LOUISE. Recipes, sic, using home-canned foods. Vt. Agr. Col. Ext. Brieflet 692, 7 p., processed. 1943. 275.29 V59E
- 8107 STOLLBERG, LOUISE. Sauerkraut. Vt. Agr. Col. Ext. Brieflet 677, 3 p., processed. 1943. 275.29 V59E
- 8108 STOLLBERG, LOUISE. Using and preserving apples. Vt. Agr. Col. Ext. Brieflet 685, 12 p., processed. 1943. 275.29 V59E
- 8109 STOLLBERG, LOUISE. Wartime meat canning. Vt. Agr. Col. Ext. Brieflet 686, 5 p., processed. 1943. 275.29 V59E

Washington State College. Extension Service, Pullman

- 8110 LEE, G. A., and CAGLE, A. J. Costs of producing milk on 183 Washington farms in 1942-43. Wash. State Col. Ext. Bul. 308, 18 p. 1943. 275.29 W27P
- 8111 SUNDQUIST, ALICE. Clothing construction: pattern selection and alteration. Wash. State Col. Ext. Bul. 306, 28 p. 1943. 275.29 W27P
- 8112 INGHAM, I. M. Use phosphates to produce more feed. Wash. State Col. Ext. Cir. 65, 1 p. 1943. 275.29 W27C
- 8113 SAVE the food! Wash. State Col. Ext. Cir. 63, 6 p. 1943. 275.29 W27C
- 8114 SPIELMAN, A. A., and others. Minerals for dairy cows. Wash. State Col. Ext. Cir. 68, 8 p. 1943. 275.29 W27C
- O. J. Hill, F. B. Wolberg, and U. S. Ashworth, joint authors.
- 8115 WARTIME freezing fruits, vegetables, meats. Wash. State Col. Ext. Cir. 64, 4 p. 1943. 275.29 W27C

Wisconsin University. College of Agriculture. Agricultural Extension Service, Madison

- 8116 BROODING and brooding equipment for chicks. Wash. State Col. Ext. Poultry Pointers 22, rev., 8 p. 1943. 275.29 W27Pou
- 8117 FOWL leukosis: range paralysis, lymphomatosis, gray eye, marble bone, avian leukosis. Wash. State Col. Ext. Poultry Pointers 33, rev., 4 p. 1943. 275.29 W27Pou
- 8118 FOWL pox. Wash. State Col. Ext. Poultry Pointers 28, rev., 4 p. 1943. 275.29 W27Pou
- 8119 INFECTIOUS laryngotracheitis and infectious bronchitis of chickens. Wash. State Col. Ext. Poultry Pointers 8, rev., 7 p. 1943. 275.29 W27Pou
- 8120 PULLORUM disease of poultry. Wash. State Col. Ext. Poultry Pointers 27, rev., 4 p. 1943. 275.29 W27Pou
- 8121 THE WASHINGTON colony brooder house. Wash. State Col. Ext. Poultry Pointers 24, rev., 4 p. 1943. 275.29 W27Pou
- 8122 WASHINGTON home grown rations. Wash. State Col. Ext. Poultry Pointers 19, rev., 4 p. 1943. 275.29 W27Pou
- 8123 THE WASHINGTON laying house. Wash. State Col. Ext. Poultry Pointers 11, rev., 10 p. 1943. 275.29 W27Pou

- 8124 WORMS in poultry. Wash. State Col. Ext. Poultry Pointers 26, rev., 4 p. 1943. 275.29 W27Pou
- 8125 THE FEED supply. 4 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75Ec

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 8126 ALBERTA. POST-WAR RECONSTRUCTION COMMITTEE. Post-war reconstruction in Alberta. 32 p. Edmonton, 1943. 280.131 AL14
- Includes the terms of reference of the Subcommittee on Agriculture, Land and Soldier Settlement.
- 8127 ALLEN, H. B. Come over into Macedonia; the story of a ten-year adventure in uplifting a war-torn people. 313 p. New Brunswick, Rutgers univ. press, 1943. 281.176 AL5
- Describes the program of rural reconstruction in Macedonia 1928-1938, with discussion of agricultural education, the Future Farmers of Greece, crop improvement, land reclamation, and rural sanitation.
- 8128 ANSHEN, R. N., ed. Beyond victory. 291 p. N. Y., Harcourt, 1943. 280 An3B
- Free enterprise and planned organization, by Thurman Arnold, p. 227-250, notes farmers' attitudes to restriction of production; The people's cause, by H. A. Wallace, p. 251-263, brings out some of the post-war food supply problems.
- 8129 \*\*BARILLAS IZAGUIRRE, ROBERTO. Colonization. Agricultural fragmentation. (Colonización. Parcelamiento agrario.) 30 p. Guatemala, Tipografía San Antonio, 1939.
- Noted in Population Index 9(4): 268, Oct. 1943. (241.3 P812)
- 8130 BERLINER, J. J., & STAFF. Bibliography of Latin America, 1941-1942. 2 Nos., processed. N. Y., 1941?-42? 242.12 B45
- Contains references to material on economic conditions, trade, and agricultural industries of the Latin American countries.
- 8131 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. The development of modern Scotland. 6 p., processed. N. Y., 1943. (ID 476) 280.9 B772
- Brief mention is made of Scottish agriculture.
- 8132 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. Scotland at war. 14 p., processed. N. Y., 1943? (ID 477) 280.9 B772
- Wartime developments in agriculture are noted.
- 8133 BROWN, A. J. Industrialization and trade; the changing world pattern and the position of Britain. 71 p. London, Roy. inst. of internatl. aff., 1943. (Post-war Problems) 280 B815
- Includes data for world distribution of natural resources, arable and cultivated land, and pastures.
- 8134 BURNHAM, JOHN. Total war; the economic theory of a war economy. 339 p. Boston, Meador pub. co., 1943. Ref., p. 337-339. 280.12 B933
- Contains chapters dealing with wartime agricultural and price policy, marketing, and foreign trade policy
- 8135 CANADIAN FEDERATION OF AGRICULTURE. Principles of post-war reconstruction for agriculture. 17 p. Ottawa, 1943. 281.13 C166
- 8136 CHAMBER OF COMMERCE OF THE UNITED STATES. AGRICULTURAL DEPARTMENT. Agricultural prospects in foreign trade. 16 p. Washington, 1943. 286 C354A



- 8137 CHAMBER OF COMMERCE OF THE UNITED STATES. AGRICULTURAL DEPARTMENT. Food supplies, present and prospective. 15 p. Washington, 1943. 281.12 C35F  
Includes the reasons for shortages, such as shortages of labor and machinery, prices of farm products, and price ceilings and subsidies.
- 8138 CHAMBERLIN, W. H. The Russian enigma, an interpretation. 321 p. N. Y., Scribner, 1944. 280.179 C35R  
Includes discussion of agriculture, collective farming, and peasants in the Soviet Union.
- 8139 CHINA. MINISTRY OF INFORMATION. China handbook, 1937-1943; a comprehensive survey of major developments in China in six years of war. 876, lxxv p. N. Y., Macmillan, 1943. 269.1 In3  
Includes foreign trade, statistics of agricultural production, agricultural policy and administration, land tenure, farm organization, farm prices and purchasing power, price and food control, the rural church, and agricultural organizations.
- 8140 CRUZ Y CATURLA, J. A. La finca como elemento básico del Registro de la Propiedad; contestaciones a algunos temas del programa para oposiciones a registros de la propiedad. 34 p. La Habana, Jesús Montero, 1943. (Monografías Jurídicas, V. 40) 282 C88  
On the legal position and registration of the "finca," or piece of real estate, which the writer states may be either rural or urban.
- 8141 CUBA. MINISTERIO DE AGRICULTURA. Hacia la revolución agraria. I. La reconquista de la tierra. 30 p. La Habana, Editorial Guerrero, 1943. 281.14 C89  
Contains legislation aimed at guaranteeing the existence of the small farm in Cuba and facilitating the acquisition of land by farmers. Two messages by J. Martínez Sáenz, the Minister of Agriculture, on the subject are also included.
- 8142 DAVIS, C. C. Outlook and aftermath address, Dec. 1943. 11 p., processed. Chicago, Amer. farm bur. fed., 1943. 280.83 Am3An  
Includes suggestions on farm policy.
- 8143 DAVIS, N. P. Stump Ranch pioneer. 245 p. N. Y., Dodd, 1943. 138 D29  
Relates the experiences of a family of Dust Bowl migrants and their life at Stump Ranch.
- 8144 FAIRCHILD, H. P. Dictionary of sociology. 342 p. N. Y., Philosophical lib., 1944. 280 F163D  
Rural sociological terms are included.
- 8145 FARM FOUNDATION. The Farm Foundation; its first ten years, 1933-1943. 44 p. Chicago, 1943. Ref., p. 40-44. 281.9 F223  
Activities of the Foundation in the following fields: Land tenure, the rural church and the rural pastor, the family-sized farm, rural health, rural education, and agricultural cooperation.
- 8146 FEDERACIÓN NACIONAL DE CAFETEROS. Informe del gerente al XIII Congreso Nacional de Cafeteros, junio de 1943. 216 p. Bogotá, Editorial Antena, S. A., 1943. 281.368 F31  
Report contains data on the inter-American agreement on coffee export quotas, the coffee warehouses, Colombian coffee in Argentina, Chile and Uruguay, the Pan American Coffee Bureau, and rural health activities.
- 8147 FREYN, HUBERT. Free China's new deal. 277 p. N. Y., Macmillan, 1943. 280.184 F89  
Includes chapters on agriculture and animal husbandry, the land problem, rural financing, foreign trade, and price movements and living standards. The appendix contains the Principal Resolutions of the 1941 National Agricultural Congress.
- 8148 GARCÍA-BADELL, GABRIEL. El catastro de la riqueza rústica en España; (Estudio crítico de los trabajos técnicos y de la legislación. Recopilación de las disposiciones más importantes sobre esta materia). 292 p. Madrid, Spain. Min. de Agr. Secc. de pub., prensa y propag., 1942? 282.176 G16
- 8149 GEORGIA. AGRICULTURAL AND INDUSTRIAL DEVELOPMENT BOARD. Proposal for the development of the economic opportunities in the Alabama-Coosa drainage basin area. Prepared by Basil Stockbridge. 24 p., processed. Atlanta, 1943. 280.019 G292  
Includes agricultural development.
- 8150 GOODMAN, K. E., and MOORE, W. L. Economics in everyday life. New ed., 557 p. Boston, Ginn, 1943. Ref., p. 534-550. 280 G622  
A general textbook, with some reference to agricultural subjects and the work done by agencies of the U. S. Department of Agriculture.
- 8151 GOSS, A. S. Address...before the 77th annual session of the National Grange, Grand Rapids, Mich., November 10, 1943. 40 p. n. p., 1943. 4 N21; also 281.12 G69  
Subjects discussed included basis for post-war agreements, farm labor situation, food problem, subsidies, parity, taxation, crop insurance, the land boom, tenancy, soldier land settlement, and transportation.
- 8152 GREAT BRITAIN. MINISTRY OF SUPPLY. The raw materials guide, December, 1942. 75 p. London, H. M. Stationery off., 1943. 280.171 G7975  
Gives country of origin of commodities, procedure for obtaining supplies, control, and legislation restricting movements and uses of commodities. Agricultural products included.
- 8153 GUERRA FILHO, D'ALMEIDA. A agricultura e o esforço de guerra. 25 p. Rio de Janeiro, 1943. 281.163 G93  
Contains chapters on Brazilian measures on behalf of the rural economy, cooperation and the cost of living in Brazil, measures for increased agricultural production, the importance of babassu production, the cotton industry, and cotton production in Brazil.
- 8154 HOWAY, F. W., SAGE, W. N., and ANGUS, H. F. British Columbia and the United States; the North Pacific slope from fur trade to aviation; edited by H. F. Angus. 408 p. Toronto, Ryerson press, 1942. (Relat. of Canada and the U. S.) 139 H83  
Contains reference to the farming operations of the Hudson's Bay Company, its land claims, railway lands, and the wheat boom.
- 8155 HOYLAND, J. S. Indian crisis; the background. 193 p. N. Y., Macmillan, 1943. 280.182 H85  
A chapter on the Indian village describes the condition of the peasants, land tenure, and agricultural unemployment.
- 8156 HUNSINGER, C. S., and WRIGHT, H. B. The Rural-Urban Coordinating Council of the City of Bellevue [Ohio], and surrounding townships. 4 p. Flat Rock, Ohio, 194-? 280.067 H91  
Notes civic and social projects of interest to the rural people.
- 8157 INTER-AMERICAN DEVELOPMENT COMMISSION. List of publications. 8 p., processed. Washington? 1943. 242 In84  
English and Spanish text.  
Agricultural subjects are included.
- 8158 INTERNATIONAL HARVESTER COMPANY OF AMERICA, INC. The consolidated rural school; with a brief of the Byers Consolidated High School at Byers, Pratt County, Kansas. 15 p. Chicago, 19--? 275 In8



8159 INTERNATIONAL LABOUR OFFICE. Intergovernmental commodity control agreements. 221 p. Montreal, 1943. 286 In88

Includes the texts of intergovernmental agreements on wheat, sugar, tea, coffee, beef, rubber, and cotton, and extracts from international pronouncements on policy for commodity control.

8160 \*LIASHENKO, I. V. Perspektivnyi plan kol-khoza "Akdzhar" [The perspective plan of the collective farm "Akdzhar"]. 82 p. Frunze, Chuiskaya raipografiya Frunz, 1941. 281.179 L61

Published by Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva.

8161 LIBERAL PARTY (GT. BRIT.) COMMITTEE ON FOOD AND AGRICULTURE. Food and agriculture; report and summary of the Liberal Food & Agriculture Sub-committee. 20 p. London, Liberal pub. dept., 1943. 281.171 L61

A post-war plan for agriculture with recommendations on what the farmer should produce, international agreements on trade in foodstuffs, the creation of a Ministry of Food and Agriculture, agricultural efficiency, and labor.

8162 LORWIN, L. L. Postwar plans of the United Nations. 307 p. N. Y., Twentieth cent. fund, 1943. 280 L892P

Outlines agricultural plans of farmers' organizations in the United States and of the United States Government, as well as those of the British Government and the Governments-in-Exile, Latin American countries, Canada, Australia, New Zealand, the Union of South Africa, India, China, and the U. S. S. R.

8163 LUZ FILHO, FÁBIO. Rumo à terra. (Aspectos do problema agrário.) Ed. 5, rev. and enlarged, 361 p. Curitiba, Editora Guafira limitada, 1942. (Estudos Sociais e Técnicos No. 8. Série Agrícola 2) 280.2 L97R

Deals with cooperation, credit, the latifundium, rural life, labor, and soils and plant nutrition.

8164 MARCHANT, SIR JAMES. World waste and the Atlantic Charter. 16 p. Oxford, Blackwell, 1943. 280 M33

Stresses the value of salvage, using among other examples rubber, bones, paper, and rags.

8165 NASH, WALTER. New Zealand, a working democracy. With an introduction by Eric Estorick. 335 p. N. Y., Duell, 1943. 280.1993 N17

Pre-war and wartime agricultural problems and achievements, and post-war reconstruction, including land settlement, are among the topics discussed.

8166 NATIONAL COUNTRY LIFE CONFERENCE. Brief of the proceedings, American Country Life Conference, Presbyterian Theological Seminary, Louisville, Kentucky, June 9-10, 1943: American rural life and war and postwar planning. 2 p., processed. n. p., 1943 281.2 N213

8167 NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. RESEARCH DIVISION. Bibliography on postwar planning. 47 p., processed. Washington, 1943. 241.3 N2132P

Includes references on agriculture.

8168 NICHOLLS, W. H., and VIEG, J. A. Wartime government in operation. Sponsored by the American Council on Public Affairs. 109 p. Phila., Blakiston 1943. 280.12 N51

Partial contents: Food production and price control; the record; Behind the wartime food program; Interrelationships between the labor and farm programs.

8169 NUFFIELD COLLEGE, OXFORD. SOCIAL RECONSTRUCTION SURVEY. Britain's town and country pattern; a summary of the Barlow, Scott, and Uthwatt reports. With an introduction by G. D. H. Cole. 111 p. London, Faber, 1943. (Rebuilding Britain Ser., No. 2) 280.171 N88

8170 SMITH, M. J. Rural case work services. 62 p. N. Y., Family welfare assoc. of Amer., 1943. 280 Sm68

8171 STEWART, M. S. Building for peace at home and abroad. 240 p. N. Y., Harper, 1943. Ref., p. 231-234. 280.12 St44

Discusses post-war rehabilitation of Europe and agriculture in the United States.

8172 STRAUS, NATHAN. The seven myths of housing. 314 p. N. Y., Knopf, 1944. Ref., p. 306-313. 296.2 St8S

Includes reference to rural housing and land use and values.

8173 SWEDEN, a wartime survey; edited and published in Sweden with the assistance of public authorities. 250 p. N. Y., Amer.-Swedish news exch., 1943. 280.173 Sw34

Partial contents: The wartime economic administration, by Sven Tunberg, p. 68-82; Foreign trade, by Herman Eriksson, p. 83-94; The food supply, by Axel Gjöres, p. 95-108; The consumer cooperatives, by Thorsten Odhe, p. 109-118.

8174 \*TSITSIN, N. Science of the service of Soviet agriculture. 40 p. Moscow, Foreign languages pub. house, 1939. 33.31 T782

8175 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population, v. 3, The labor force: occupation, industry, employment and income. Pt. 5: Pennsylvania-Wyoming. 1082 p. Washington, U. S. Govt. print. off., 1943. 157.4 C162

Includes data for the rural farm and nonfarm population.

8176 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. Bibliographies of the world at war. 3 nos., processed. Washington, 1943. 241.3 Un312

No. III, Raw materials. Sup. 2, No. IV, Industry in wartime. Sup. 2, (Jan.-May 1943), No. VIII, Social and cultural problems in wartime. Sup. 2, (Mar.-May 1943).

8177 VAN SICKLE, J. V. Mississippi population trends and their implications. 115 p., processed. Jackson, Miss. bd. of devlpmt., 1943. 280.045 V36

Brings out the problem of soil erosion and recommends a program which includes a land inventory, land classification, rural zoning, tax reform, and improvement of farm tenancy conditions. The need for modification of the agrarian economy is discussed.

8178 WISH, HARVEY. George Fitzhugh; propagandist of the old South. 360 p. Baton Rouge, La. State univ. press, 1943. (South. Biog. Ser.) 120 F57

Critical Essay on Authorities, p. 341-351.

Contains reference to the problem of land monopoly.

8179 WORKERS' EDUCATIONAL ASSOCIATION. Agriculture and rural education; a statement submitted to Mr. Justice Luxmoore's committee. 22 p. London, 1943. (W. E. A. Ed. Pam., No. 4) 275.1 W892

8180 WORLD JEWISH CONGRESS. Memorandum on post-war relief and rehabilitation of European Jewry, submitted to the Council of the United Nations Relief and Rehabilitation Administration. 29 p. N. Y., 1943. 280.17 W89

Includes food relief.

#### AGRICULTURAL ENGINEERING

8181 RIETZ, G. A. The manufacturer's viewpoint on farm electrification, present and postwar. 12 p. N. Y., Gen. elect. co. Rural electrif. sect., 1943. 335 R44

8182 SOUTHERN PINE ASSOCIATION. How to build southern pine smaller farm structures. 22p. New Orleans, 1943. 296 So82Hs



# AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

- 8183 AMERICAN DRY MILK INSTITUTE. Dehydrated dairy products; production trends. 13 p., processed. Chicago, 1943. 281.344 Am32
- 8184 ASOCIACIÓN NACIONAL DE HACENDADOS DE CUBA. Exposición dirigida en julio 8, 1894, por el Círculo de Hacendados y Agricultores de la Isla de Cuba a las cortes del Reino Español en la cual se señalaban las principales causas que por su continuidad producían la excesiva gravedad de la crisis que atravesaba la industria azucarera y las soluciones que había que aplicar entonces con toda urgencia para evitar su inminente ruina. 164 p. Habana, 1943. 281.365 As5E
- 8185 AUFRICHT, HANS. War, peace, and reconstruction; a classified bibliography. 52 p. N. Y., Comm. to study the organ. of peace, 1943. 241.3 Au3Wa
- Includes references on agricultural raw materials and food supply.
- 8186 BARGER, W. R., MORRIS, L. L., and RAMSEY, G. B. Paper and cotton shipping bags for Kern County [Calif.] potatoes. 5 p., processed. Davis, Calif. Agr. expt. sta., Truck crops div., 1943. 280.375 B23
- U. S. Dept. of Agriculture cooperating.
- 8187 BARGER, W. R., and MORRIS, L. L. Tighter picking sacks of light weight canvas or similar fine woven material; reduce surface browning of early white rose potatoes. 3 p., processed. Davis, Calif. Agr. expt. sta., Truck crops div., 1943. 280.375 B23T
- U. S. Dept. of Agriculture cooperating.
- 8188 BARGER, W. R., and MORRIS, L. L. Transit studies with tomatoes. 18 p., processed. Davis, Calif. Agr. expt. sta., Truck crops div., 1943. 280.391 B23
- U. S. Dept. of Agriculture cooperating.
- Investigation of shipping methods and temperatures to determine proper conditions for ripening of tomatoes.
- 8189 BEKKEDAH, NORMAN. Borracha natural e borracha sintética; natural rubber and synthetic rubber. 16 p. Belem, Para, Brazil, Ministério da agricultura, Instituto agronomico do norte, 1943. 305 P21
- Compares the two types of rubber and discusses the manufacture of synthetic rubber. Post-war demands for rubber are considered.
- 8190 BENGAL JUTE ENQUIRY COMMITTEE. Report. 2 v. Alipore, Bengal, Bengal govt. press, 1939-1940. 281.373 In2
- The terms of reference of the Committee included consideration of regulation of jute production, marketing of jute, improvement and fixing of prices, and statistics and forecast.
- 8191 BENZ, R. G. Statement [concerning apple ceilings]... Sept. 20, 1943. 5 p., processed. Washington, D. C., Natl. apple inst., 1943. 284.393 N21
- Production costs are discussed.
- 8192 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Cold storage holdings of meat and lard in Canada, December 1, 1943. 10 p., processed. Ottawa, 1943. 295.9 C16M
- 8193 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Stocks of dairy and poultry products, December 1, 1943. 9 p., processed. Ottawa, 1943. 253 C1625
- 8194 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Food products, beverages, rubber, tobacco and miscellaneous manufactures based on vegetable products 1941. 29 p., processed. Ottawa, 1944. 253 C3321
- 8195 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the brewing industry in Canada, 1942. 15 p., processed. Ottawa, 1943. 253 C3321
- Includes cost and quantity of grain and other materials used in the industry.
- 8196 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the cotton & jute bag industry in Canada 1942. 9 p., processed. Ottawa, 1944. 253 C3321
- 8197 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the cotton textile industries in Canada 1941. 39 p., processed. Ottawa, 1944. 253 C3321
- 8198 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the rubber industry in Canada, 1942. 13 p., processed. Ottawa, 1943. 253 C3321
- Statistics of the industry.
- 8199 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the wine industry in Canada 1942. 9 p., processed. Ottawa, 1944. 253 C3321
- 8200 EVANS, SANFORD, STATISTICAL SERVICE. Wheat yield by towns, 1943; storage capacity by towns; volume and value by crop districts. 24 p., processed. Winnipeg, 1943. 281.3599 Ev1
- 8201 FARM CREDIT ADMINISTRATION OF COLUMBIA. DIVISION OF RESEARCH. Sale of hogs through Orangeburg Live Stock Association, 1938-1942. 9 p., processed. Columbia, S. C., 1943. 280.246 F22
- 8202 FARMERS' EDUCATIONAL AND COOPERATIVE UNION OF AMERICA. Historical sketch, purposes, program, business activities, directory of officials, etc. 43 p. St. Paul, Minn., n. d. 280.29 F222H
- Includes: Our grain tank program, by M. W. Thatcher, p. 19-21; Cooperative handling of wool in North Dakota, p. 31-33.
- 8203 LEECHMAN, DOUGLAS. Vegetable dyes. 55 p. Toronto, Oxford univ. press, 1943. 306 L512
- Includes recipes for making dyes from the various plants.
- 8204 LEIGHTON, CLARE. Give us this day. 86 p. N. Y., Reynal, 1943. 30.4 L53
- Emphasizes the fundamental importance of agriculture. Chapter headings are as follows: The arteries of supply, The farmer, Corn and wheat, Meat, Truck farms, Fruit, Milk and eggs, and Farms.
- 8205 MASSACHUSETTS INSTITUTE OF TECHNOLOGY. FOOD TECHNOLOGY LABORATORIES. Report on compression of dehydrated foods for Research and Development Branch Office of the Quartermaster General, U. S. Army, April 24, 1943. 41 p., processed. Cambridge, 1943. 389.3 M38
- 8206 MATCHETT, J. R. Spray drying bibliography. 1 p., processed. n. p., 194-? 241.64 M41
- Drying of fruits and vegetables.
- 8207 NATIONAL COTTONSEED PRODUCTS ASSOCIATION, INC. Oilseed production problems in the cotton States. 4p. Memphis, 1943. 307 N212
- 8208 PATRONS OF HUSBANDRY. NATIONAL GRANGE. Food for freedom depends on highway transportation. 11 p. Washington, D. C., 1943. 289.4 P27F
- On the problem of transportation of farm products, with suggestions for its solution.
- 8209 PLASTICS MATERIALS MANUFACTURERS' ASSOCIATION. Technical data on plastic materials. 141 p. Washington, D. C., 1943. 309 P693
- Casein, cellulose, and resins are included.
- 8210 RAYON PUBLISHING CORPORATION, NEW YORK. Textile chemical specialty guide for spinners, weavers, knitters, throwsters, dyers, printers and finishers of all textile yarns and materials. 1942 ed., 388 p. N. Y., 1942. 225 R21
- Products include oils and starches.



8211 REEVE, R. M. Dehydrated vegetables under the microscope. 7 p., processed. n. p., 194-? 389 R25

8212 STRENGER, A. D. Insight into the Nazi industrial war machine, with ideas and suggestions relating to occupation, chances of Germany's inside collapse, prevention of Germany's rearmament and the post war period. 92 p., processed. N. Y., Direct mail print. co., 1943. 280.175 St8

Contains statistics of agricultural production of the various European countries.

8213 TAUBER, HENRY. Enzyme technology. 275 p. N. Y., Wiley, 1943. 390 T19En

Ref. at end of chapters.

Partial contents: Enzymes of grains and malt and the role of enzymes in bread making; Enzymes in dairy products; Enzymes in the meat, egg, vegetable, and fruit industries; Pectin-decomposing enzymes and their use in the fruit juice, wine, and jelly industries; Vitamin-destroying enzymes; Microbiological methods for the estimation of vitamins.

8214 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. Wartime guide for retail grocers. 48 p. Washington, 1943. 157.55 W262

Brings out the effect of price control and rationing upon the grocer.

8215 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Proposed ceilings on live cattle; hearings...78th Cong., 1st sess., Oct. 26, 1943. Unrevised. 40 p. Washington, U. S. Govt. print. off., 1943. 148.9 Ag78P

8216 U. S. FEDERAL TRADE COMMISSION. Methods and costs of distribution. Part 1, Important food products; summary and conclusions. 17 p., processed. Washington, 1943. 173 F32Mc

#### ANIMAL INDUSTRY

8217 CRASEMANN, E. Principes scientifiques et techniques de l'ensilage du fourrage. 39 p. Zürich? n. d. 60.7 C85

8218 ESTES, J. A., and PALMER, J. H. An introduction to the Thoroughbred horse; origin, distribution, breeding, conformation, uses. Ed. 2, 28 p. Lexington, Ky., Blood-horse, 1943. 42 Es8

8219 FINNIE, RICHARD. Canada moves north. 227 p. N. Y., Macmillan, 1943. Ref. 280.139 F49

A description of the Northwest Territories with chapter on the fur trade and farming and stock raising.

8220 GENERAL MILLS, INC. Poultry guide. 80 p. Minneapolis, 1943. 47 G282

"Prepared by the Poultry Service Department of General Mills Larro Research Farm."

Advertises Larro poultry feeds.

8221 HALBERT, M. G. Chicks to snare. 81 p., processed. Lexington, Univ. of Ky. Bur. of school serv., 1943. 47 H123

Ref. at end of most chapters.

The first of four juvenile books of a series, "You Can Raise Chickens Too."

8222 HODGSON, R. G. Angoras for profit. 91 p. Toronto, Fur trade jour. Canada, 1942. 40.2 H66

Raising Angora rabbits for wool.

8223 HURD, L. M. Modern poultry farming. 599 p. N. Y., Macmillan, 1944. (Rural Sci. Ser.) 47 H93

"A second revised edition of Practical Poultry Farming."

8224 JUDY, WILL. Training the dog. Ed. 7, 158 p. Chicago, Judy, 1943. 48 J92T

8225 LOPEZ Y LOPEZ, CAYETANO. Sueros, vacunas e inoculaciones reveladoras. 90 p. Madrid, Spain. Min. de agr. Secc. de pub., prensa y propag., 1943. 41 L882S

8226 MCCAY, C. M. Nutrition of the dog. 140 p. Ithaca, Comstock, 1943. 389.7 M122N

Ref. at end of each chapter.

8227 NATIONAL LIVESTOCK LOSS PREVENTION BOARD. [Leaflets.], 6 nos. Chicago, 1942-1943. 41 N213

Contents: Grubs dig into cattle profits; Prevent colds and shipping fever, for more beef is essential; Internal injuries to cattle from foreign objects in stomach; The nodular worm [of sheep]; Horn damage; Conserve the nation's meat supply by handling livestock carefully!

8228 NATIONAL POULTRY ADVISORY COUNCIL. Chicken brooding & rearing program; poultry conservation for victory. 8 p. Chicago, 1943. 47 N213

Program adopted in collaboration with the U. S. Bureau of Animal Industry.

8229 NATIONAL POULTRY ADVISORY COUNCIL. Laying house program of poultry conservation for victory. 14 p. Chicago, 1943. 47 N213L

Program adopted in collaboration with the U. S. Bureau of Animal Industry.

8230 NATIONAL POULTRY ADVISORY COUNCIL. Turkey rearing program of poultry conservation for victory. 8 p. Chicago, 1943. 47.3 N21

Program adopted in collaboration with the U. S. Bureau of Animal Industry.

8231 PALMER, J. H. Feeding practices on Kentucky Thoroughbred farms. 24 p. Lexington, Ky., Blood-horse, 1943. 389.7 P18

8232 PENNA, VIRGILIO. Fazenda de criação e de engorda de suínos. Notas e instruções para a sua montagem. Ed. 4, 127 p. São Paulo, Brazil. Sec. da agr. indus. e com. Dir. de pub. agr., 1943. 46 Sa6

8233 PHOENIX MANUFACTURING COMPANY. How to care for the feet of your horses and mules. 18 p. Joliet, Ill., 1943. 42 P56

8234 RECIENTES avances en veterinaria. V. 1, 2. Madrid, Ultra, 1941-1942. (Biblioteca de biología aplicada, ed. by Pedro Carda) 40 R242

Ref., v. 2, p. 291-351.

Contents: v. 1. Plan decenal de ganadería, by M. Rodríguez de Torres; Biometria, by Carlos Luis de Cuenca. v. 2. Vitaminas, by Julio Morros Sardá.

8235 SANCHEZ ROJAS, JUAN. El cerdo. Cría, engorde, enfermedades y aprovechamiento. 111 p. Buenos Aires, Molino, 1943. (Manuales practicos "Molino," 17) 46 Sa5

8236 SCOTTISH MILK RECORDS ASSOCIATION. Report on milk records for season 1942, with appendix; register of high-yielding cows; records of 37,963 cows. 242 p. Glasgow, 1943. 43.9 Sco3

8237 SELF, M. C. Horses; their selection, care and handling. 170 p. N. Y., Barnes, 1943. 42 Se4

8238 SHELLENBERGER, J. A., and HOPKINS, J. A. La industria lechera argentina. 27 p. Buenos Aires, Corporación para la promoción del intercambio, S. A., 1943. 281.344 C815

A study by members of the Armour Research Foundation on production and processing of milk in Argentina.

8239 SQUIBB, E. R., & SONS. Penicillin and other antibiotics produced by microorganisms; an annotated bibliography. Rev. ed., 104 p. Brooklyn, 1943. 241.71 Sq4

Includes references on veterinary use of tyrothricin and gramicidin.

8240 TAGLE, E. C. Bovinos de carne. Su cría. 193 p. Buenos Aires, Editorial sudamericana, 1941. (Enciclopedia agropecuaria argentina, 9) 43 T12

8241 \*TOMME M. F., and SIMON, E. I. Opytnoe delo v zhivotnovodstve [Experiments in animal husbandry]. 136 p. Moskva, Sel'khozgiz, 1941. 40 T59



8242 \*VSIĀKIKH, A. S. Karavaevskie i Zasizh'evskie shvitāy v sovkhovakh Kirgizii i plemennaiā rabota s nimi [Karavev and Zasizh'e cattle on the collective farms of the Kirghiz republic and their breeding]. 48 p. Frunze, Chuiskaiā raītipografiā Frunz, 1942. 43 V96

Published by Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva.

8243 WILLIAMS, W. L. Veterinary obstetrics. Ed. 4, 478 p. Ithaca, The author, 1943. Ref., p. 465-467. 41 W672V

## ENTOMOLOGY

8244 BIBLIOTECA DE "LA CHACRA." El gusano de seda [Bombyx mori]. Cría; enfermedades; industrialización. 156 p. Buenos Aires, Atlántida, 1942. (Publicación No. 17) 425 B47

Published under the direction of Waldemar Martínez Pintos.

8245 BRONSON, W. S. The grasshopper book. 127 p. N. Y., Harcourt, 1943. 429 B782

8246 CHIESA MOLINARI, ORESTES. Entomologia agricola; identificación y control de insectos y otros animales dañinos o útiles a las plantas. 571 p. San Juan, Argentina, d'Accurzio, 1942. Ref., p. 528-539. 423 C433

8247 FRIEDMAN, REUBEN. Biology of Acarus [i. e. Sarcptes, scabiei]. 183 p. N. Y., Froben press, 1942. 434 F91

8248 LEPAGE, H. S. Defesa dos graos alimentícios armazenados contra insetos nocivos. 47 p. São Paulo, Brazil. Sec. da agr., indus. e com. Dir. de pub. agr., 1943. 423 Sa64

8249 RUIZ CASTRO, AURELIO. Insectos del viñedo. 179 p. Madrid, Spain. Min. de agr. Secc. de pub., prensa y propag., 1943. 423 R85

8250 STAHEL, GEROLD, and GEIJSKES, D. C. A biologia da saúva [Atta cephalotes; A. sexdens] e o seu combate na Guiana Holandesa. 33 p. São Paulo, Brazil. Sec. da agr., indus. e com. Dir. de pub. agr., 1943. 426 St12

## FOOD AND HUMAN NUTRITION

8251 AMERICAN HOTEL ASSOCIATION. NATIONAL MEMBERSHIP DIVISION. Wartime food recipes by famous hotel chefs. 26 p. N. Y., 1943. 389.25 Am35

8252 AMERICAN MEDICAL ASSOCIATION. COUNCIL ON FOODS AND NUTRITION. Handbook of nutrition; a symposium. 586p. Chicago, 1943. 389.1 Am352

8253 CARHART, A.H. The outdoorsman's cookbook. 211p. N.Y., Macmillan, 1944. 389.25 C192

8254 CASE, ELIZABETH, and WYMAN, MARTHA. Cook's away; a collection of simple rules, helpful facts, and choice recipes designed to make cooking easy. 118 p. N. Y., Longmans, 1943. 389.25 C26

8255 CORBAN, E.B., HALLOCK, E.R. and MARTIN, MABEL. Eat to live: the blue book of cooking. 140p. N.Y., Mill, 1943. 389.25 C814

8256 INTERIM COMMISSION ON FOOD AND AGRICULTURE, 1943. List of persons designated by the United and Associated Nations as representatives on the United Nations Interim Commission on Food and Agriculture. 8 p., processed. Washington, 1943. 389.8 In87L

8257 INTERIM COMMISSION ON FOOD AND AGRICULTURE, 1943. Order of the day ... July 20, 1943. 1p., processed. Washington, 1943. 389.9 In87O

8258 MACGILLIVRAY, J. H., and others. An evaluation of the nutritive value of California vegetables. 5 p., processed. Davis, Calif. Agr. expt. sta., Truck crops div., 1943. 389.1 M17

A. F. Morgan, G. C. Hanna, and Arthur Shultis, joint authors.

8259 MERCK & CO., INC. Pantothenic acid; annotated bibliography. Supplement. 37 p. Rahway, N. J., Merck, 1943. 241.64 M55P

Includes sections on veterinary use and place in human nutrition.

8260 MYERS, W. I. The United States food situation and outlook. 10 p., processed. Ithaca, 1943. 389 M99

8261 NATIONAL CONFECTIONERS' ASSOCIATION OF THE UNITED STATES. Candy, a valuable food. 16 p. Chicago, 1943. 389.1 N219C

8262 NATIONAL COOPERATIVE PROJECT; CONSERVATION OF NUTRITIVE VALUE OF FOODS. Progress notes, southern cooperative project: ascorbic acid content of turnip greens. Pts. 1-2, processed. Griffin, Ga., 1943. 389.1 N2175P

8263 NATIONAL COOPERATIVE PROJECT; CONSERVATION OF NUTRITIVE VALUE OF FOODS. Progress notes: the carotene and ascorbic acid content of vegetable varieties. Pts. 1-2, processed. Kingston, R.I., 1943. 389.1 N2175

Contents: 1. Carrots and peas.- 2. Peppers and beets

8264 NATIONAL DAIRY COUNCIL, CHICAGO. Ice cream for everyday use. 8p. Chicago, 1943. 389.2 N214

8265 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. List of officers, members and committees. 8 p., processed. Washington, 1943. 225 N2163

8266 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. Tables of food composition giving proximate, mineral and vitamin components of foods. (On a per pound basis.) Rev. ed., 23p., processed. Washington, 1943. 389.1 N2183

8267 OHIO. STATE DEPARTMENT OF HEALTH. Forming good food habits and correcting poor ones. 14p. Columbus, 1943. 320 Oh3

8268 RAE, BARBARA. Cooking without meat; a supplementary kitchen guide for war-time cookery. 126 p. N. Y., Mill, 1943. 389.25 R122

8269 TAYLOR, M. L. R. Economy for epicures, a practical menu and recipe book. 511 p. N. Y., Oxford univ. press, 1943. 389.25 T213

8270 WEBER, P. J. F., SIEBEL, R. V., and SINGRU-EN, ELSIE. Brewers' yeast a victory food. 68 p. Chicago, E. A. Siebel & co., 1943. 389.1 S112

Includes information on brewers' yeast in poultry and egg production, in cattle and pig improvement, in food rationing, and in industrial nutrition, and functions and properties of vitamins in brewers' yeast.

## FORESTRY

8271 AMERICAN FOREST PRODUCTS INDUSTRIES. Paul Bunyan's quiz. Questions & answers about the forests. 48 p. Washington, 1943. 99.61 Am34

8272 BONEBRAKE, D. B. Timber is vital to war effort! Prevent forest fires! 4 p., processed. n. p., 1943. 99.51 B64

8273 CASEIN COMPANY OF AMERICA, INC. Wood and glue at war! 12 p. New York, 1943. 99.77 C26

8274 COPE, J. A. Farm forestry in the eastern United States; a study of methods used by public and private agencies to interest farmers in the proper management of their woodlands. 40 p. Washington, Charles Lathrop Pack forestry found., 1943. 99.55 C79

8275 GUAYAQUIL, ECUADOR. CÁMARA DE COMERCIO, AGRICULTURA E INDUSTRIA. Memorandum... sobre el descenso de la producción de balsa debido a la decisión de la Junta de Guerra [U. S. Board of Economic Warfare, contra los productores ecuatorianos. 8 p. Guayaquil, 1943. 99.76 G93

Text in Spanish and English.

8276 ISENBERG, I. H. Properties of pulpwoods. 153 p., processed. Appleton, Wis., Inst. of paper chem., 1943. Ref., p. 149-150. 99.31 Is2



8277 LEGENDRE, J. R. A. The forest, tool for victory. 10 p. Quebec? Quebec Dept. of lands and forests, 1943. 99.79 Q35

In English and French.

The woods of Quebec and the war.

8278 MININ, D. D. Lesnoi pitomnik dlia tsentral'noi polosy evropeiskoi chasti SSSR [Forest nursery for the central zone of European U.S.S.R.]. 179 p. Moskva, Goslestekhzdat, 1940. 99.47 M662

8279 NEETHLING, E. J. Timber and forests; South Africa's needs and resources. 42 p. Cape Town, So. African interests group, 1943. Refs., p. 40-42. 99.68 N28

8280 NEW YORK STATE COLLEGE OF FORESTRY. MOON MEMORIAL LIBRARY. A classified list of references on wood and World war II. 31 p., processed. Syracuse? 1943. 241.01 N48

8281 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Forestry. Hearings...78th Cong., 1st sess., on S. 45... S. 250, an act to promote sustained-yield forest management...and...H. R. 1456 (superseded by H. R. 3848)...directing a national survey of forest resources. Dec. 3, 7, and 8, 1943. 82 p. Washington, U. S. Govt. print. off., 1943.

8282 WAHNSCHAFTE, ADOLFO. Exploracão florestal visando de preferencia a consecução de lenha para combustivel e para carvão vegetal. 27 p., processed. São Paulo, 1943. 99.75 W12E

Forest utilization, especially for fuel and charcoal.

8283 WAHNSCHAFTE, ADOLFO. Reflorestamento, visando a produção rápida e econômica de lenha para combustivel e carvão vegetal. 19 p., processed. São Paulo, 1943. 99.47 W12R

Reforestation for the rapid production of wood for fuel and charcoal.

#### PLANT SCIENCE

8284 ALEKSZEV, E. K. Peredovuiu agrotekhniku na volia kolkhozov i sovkhovov BSSR... [Advanced agrotechny on the fields of the collective and State farms of White-Russian Socialist Soviet Republic; a short manual for the performance of farm production experiments on collective and State farms of White Russian SSR]. 51 p. Minsk, Akademiia nauk, 1940. 33.31 AL2

Production experiments with forage crops, grains, flax, etc.

8285 BETTER HOMES AND GARDENS. Better homes and gardens' gardening guide. 202 p. Des Moines, Meredith, 1943. 90 B463

8286 BIBLIOTECA DE "LA CHACRA." La morera; variedades, multiplicación, cultivo, cosecha, industrialización. 155 p. Buenos Aires, Atlántida, 1943. (Publicación No. 18.) 93.39 B47

Published under the direction of Waldemar Martínez Pintos.

8287 \*BOGDAN, P. I. Pshenitsy Kryma [Wheat varieties of the Crimea]. 198 p. Moskva, Sovetskaiia, 1941. Ref., p. 192-196. 59.26 B63

8288 CARDENAS, MARTIN. Notas preliminares sobre la materia medica boliviana. 24 p. Cochabamba, Bolivia, Imprenta universitaria, 1943. 457.4 C17

8289 DIBROVA, P. A. Novye sorta iabloni severnogo Urala [New kinds of apple trees of northern Ural]. 14 p. Moskva, Sel'khozgiz, 1940. 93.31 D54

8290 DRIVER, C. M., and HAWKES, J. G. Photo-periodism in the potato. 36 p. Cambridge, England, Imp. bur. of plant breeding and plant genet., School of agr., 1943. Ref., p. 35-36. 463.36 Im7

8291 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Choosing your hybrid corn; a preliminary list of sources of Illinois certified seed. 11 p. Urbana, 1944? 61.9 I16

8292 JAMES, W. O. An introduction to plant physiology. Ed. 4, 269 p. Oxford, Clarendon press, 1943. 463.3 J23

8293 LANDAVERDE, ARNULFO. El limonero y demas plantas citricas. 166 p. Mexico, B. Trucco, 1943. 93.33 L23

8294 MCVAUGH, ROGERS. The Mexican species of Jatropha (with special reference to possible sources of "chilte" rubber). 23 p., processed. Washington, D. C., Rubber devlpmt. corp., July 1943. 452.3 M252

8295 MAS-GUINDAL, JOAQUÍN, and MAS-GUINDAL, ASCENSION. Las plantas oleaginosas. Sus productos y aplicaciones. 214 p. Madrid, Uguina, 1942? Ref., p.207-209. 452.35 M37

8296 MERRIFIELD, RICHARD, ed. Sunset's flower garden book. 223 p. San Francisco, Lane, 1943. 90 M55

8297 MUTUAL ORANGE DISTRIBUTORS, REDLANDS, CALIF. A manual for citrus growers. Ed. 2, rev. and enl., 138 p. Redlands, Calif., 1943. 93.33 M98

Includes chapters on cultivation methods, citrus tree diseases, and insect pest control.

8298 NEME, N. A., and SAMPAIO, S. C. O amen-doin. 31 p. São Paulo, Revista dos tribunais, 1943 77 N34

Pertiel contents: Variedades; cultura.

8299 SAO PAULO, BRAZIL (STATE) DEPARTAMENTO DA PRODUÇÃO VEGETAL. Produção de mudas de fumo. 29 p. São Paulo, Revista dos tribunais, 1943. 69 Sa6

8300 SHUMILIN, Z. K. Stratifikatsiia semian drevesnykh i kustarnikovykh porod [Stratification of seeds of trees and shrubs]. 67 p. Moskva, Goslestekhzdat, 1940. Ref., p. 66-67. 463.36 Sh9

8301 VLASENKO, I. G. Agrotekhnika Efremovskikh sven'ev i peredovykh kolkhozov po zernovym kul'turam [The agrotechny of the chains of Efremov Organizations and of the leading collective grain farms]. 39 p. Minsk, Akademiia nauk, 1940. 61.4 V84

Improved methods for increasing and speeding up grain production.

#### SOILS AND FERTILIZERS

8302 INTERNATIONAL MINERALS & CHEMICAL CORPORATION. Report of progress. Minerals and chemicals. 48 p. Chicago, 1943. 309 In2

Phosphates, potash, magnesium, fertilizers, chemicals.

8303 PAULSEN, E. F. El manejo del suelo. 206 p. Buenos Aires, Editorial sudamericana, 1942. (Enciclopedia agropecuaria argentina, 13) 56 P28

#### MISCELLANEOUS

8304 DIRECTORY of biological laboratories. 96 p. Chicago, Burns compiling & res. organ., 1943. 225 D628

Includes research, control, consulting, and certain special purpose laboratories.

8305 FRAUENDORFER, SIGMUND VON. New agricultural bibliographical sources; supplement to the 'Survey of current bibliographies on agricultural and allied subjects' (1937). 44 p. Rome, Internatl. Inst. Agr., 1943. 241.2 In3 Suppl.

Text in French and English.

8306 HISS, P. H. A selective guide to the English literature on the Netherlands West Indies; with a supplement on British Guiana. 129 p. N. Y., Netherlands inform. bur., 1943. (Netherlands Inform. Bur. Booklets, No. 9) 242.12 H62

Includes agriculture and forestry.

8307 LONGSTRETH, T. M. Knowing the weather. 150 p. N. Y., Macmillan, 1943. 340 L86

8308 NEISWANGER, W. A. Elementary statistical methods as applied to business and economic data. 740 p. N. Y., Macmillan, 1943. Ref. 251 N31

Includes the place of statistics in agricultural administration, p. 17, and the U. S. Bureau of Agricultural Economics indexes of prices paid and received by farmers, p. 428-433.

8309 U. S. OFFICE OF WAR INFORMATION. Digest of the functions of Federal agencies. Rev., 63 p. Washington, U. S. Govt. print. off., 1943. 173.4 W19D1



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 8310 ANDERSON, A. W. A pirate's favorite. Gard. Chron. Amer. 48: 22. Jan. 1944. 80 G1632  
Clianthus dampieri, discovered in western Australia by William Dampier, navigator, scholar, naturalist and pirate, the first Englishman to land in Australia.
- 8311 BENNINGHOFF, W. S. Preliminary report on a coal ball flora from Indiana. Ind. Acad. Sci. Proc. (1942) 52: 62-68. 1943. 500 In2
- 8312 BERRY, E. W. The giant Sequoia. Science 98: 586. Dec. 31, 1943. 470 Sci2  
Presl, in describing fossil cones which were undoubtedly Sequoia, gave to these the generic name Steinhauera in 1838.
- 8313 BROWN, R. W. Some prehistoric trees of the United States. Jour. Forestry 41: 861-868. Dec. 1943. 99.8 F768
- 8314 CROIZAT, LEON. The family Euphorbiaceae: when and by whom published. Amer. Midland Nat. 30: 808-809. Nov. 1943. 450 M58  
Refers to L. C. Wheeler's article on Euphorbiaceae (l. c. 30: 456-503. 1943), which gives the author of the Euphorbiaceae as Jaume-St.-Hilaire (Exp. Fam. Nat. Pls. 2: 276. 1805). Evidence shows that later in 1805 Lamarck & De Candolle published the Euphorbiaceae in Fl. Franç., 2d ed. 3: 327.
- 8315 DEEVEY, E. S., JR. Pollen analysis and history. Amer. Sci. 32: 39-53. Jan. 1944. 470 Sci2
- 8316 DROUET, FRANCIS. William Albert Setchell. Amer. Midland Nat. 30: 529-532. Nov. 1943. 410 M58
- 8317 FAWCETT, J. M. A noted landscape gardener of the 19th century [John Claudius Loudon]. Field 182: 674. Dec. 25, 1943. 10 F45
- 8318 GISCAFRE, LORENZO. Importancia de los hongos en la etiología de las enfermedades alérgicas en la ciudad de Santa Fé (R. A.) Santa Fé, Argentina. Inst. Expt. Invest. y Fomento Agr. Ganad. Pub. Téc. 47, 40 p. 1943. 102.5 Sa52
- 8319 GRANT, C. L. Microscopic plant world. Hoosier Outdoors 23(12): 5. Jan. 1944. 409.6 H76
- 8320 \*GRÖNTVED, P. Professor, dr. Emil Korsmo, Norge, 80 aar. Ugeskr. for Landmaend 88: 449-450. June 18, 1943. 11 Ug3  
A brief biographical note including appraisal of his work in the field of weed control.
- 8321 GROVER, E. O. Theodore Luqueer Mead. Amer. Orchid Soc. Bul. 12: 259. Jan. 1, 1944. 80 Am329
- 8322 HAGEN, V. W. VON. Southward to Quito in 1801. The journey of Humboldt and Bonpland from the mouth of the Magdalena, as told in a forthcoming book, "South America Called Them." N.Y. Bot. Gard. Jour. 45: 1-5. Jan. 1944. 451 N48J  
Preprinted.
- 8323 HANSEN, H. P. Post-Pleistocene forest succession in northern Idaho. Amer. Midland Nat. 30: 796-802. Nov. 1943. 410 M58
- 8324 HINDE, J. P. Glimpses of some hardwood forest areas in the Southeast of long ago. South. Pulp and Paper Jour. 6(8): 6-8. Jan. 1944. 302.8 So8
- 8325 IRENEE-MARIE, FRERE. A propos de bibliographie. II. Bibliographie algologique. Nat. Canad. 70: 218-234. Sept./Oct. 1943. 410 N216
- 8326 JANSON, ELSIE, and HALFERT, ELIZABETH. Pollen analysis of a Swedish bog near Lake Stor-Uman. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 41-45. 1943. 500 M582
- 8327 LACEY, W. S. The sporangiophore of Calamostachys. New Phytol. 42: 98-102. Nov. 1943. 450 N42
- 8328 LEPAGE, ERNEST. Les lichens, les mousses et les hépatiques du Québec, et leur rôle dans la formation du sol arable dans la région du bas de Québec, de Lévis à Gaspé. (To be cont.) Nat. Canad. 70: 193-217. Sept./Oct. 1943. 410 N216
- 8329 MARENGO, N. P. Paraffin section thickness - a direct method of measurement. Stain Technol. 19: 1-10. Jan. 1944. 442.8 St1
- 8330 MATTHEWS, J. R. Some aspects of modern botany. Pharm. Jour. [London] 151: 220-221. Dec. 11, 1943. 396.8 P49
- 8331 \*MÜLLER, D. Den maksimale stoffproduktion. Ugeskr. for Landmaend 88: 445-448. June 18, 1943. 11 Ug3  
Notes that the great increase in crop yields in our times is the result of soil treatment, a liberal use of fertilizer, and control of weeds and diseases.
- 8332 MULLISON, W. R. Preparation of 2 x 2 inch slides or 35 mm. filmstrips by a rapid and inexpensive method. Ind. Acad. Sci. Proc. (1942) 52: 93-95. 1943. 500 In2
- 8333 PESCOTT, E. E. About our true mallee trees. Stock and Land, Dec. 1, 1943, p. 2. 49 St63
- 8334 PORTER, C. L. Kodachrome studies of trees in winter. [Abs.] Ind. Acad. Sci. Proc. (1942) 52: 34. 1943. 500 In2
- 8335 PORTER, C. L. A new type of key for the identification of gilled mushrooms. [Abs.] Ind. Acad. Sci. Proc. (1942) 52: 34. 1943. 500 In2
- 8336 POTZGER, J. E. Pollen profile from sediments of an extinct lake in Hendricks County, Indiana, marks time of drainage. Ind. Acad. Sci. Proc. (1942) 52: 83-86. 1943. 500 In2
- 8337 POTZGER, J. E., and THARP, B. C. Pollen record of Canadian spruce and fir from Texas bog. Science 98: 584. Dec. 31, 1943. 470 Sci2
- 8338 RECORD, S. J. "Timbers of the New World." Nature [London] 152: 602. Nov. 20, 1943. 472 N21  
Misquotation made by A. L. Howard in his review of "Timbers of the New World" in stating that "Swietenia [is] the source of the only and true mahogany." The text reads "Swietenia, the source of the original or true mahogany."
- 8339 RICKETT, H. W. The big tree of Tule. N. Y. Bot. Gard. Jour. 44: 269-273. Dec. 1943. 451 N48J  
Montezuma baldcypress, Taxodium mucronatum, near Santa Maria del Tule, Mexico.
- 8340 SEAVY, F. J. Bermuda - its gardens and scenery, with a note on the Island's native plant life. N. Y. Bot. Gard. Jour. 45: 5-10. Jan. 1944. 451 N48J
- 8341 SIMONS, MRS. C. M. Lloyd Library and Museum [Cincinnati, Ohio]. A history of its resources. Spec. Libr. 34: 481-486. Dec. 1943. 243.8 Sp3
- 8342 SNYDER, L. C. Wild flowers of South Dakota. VI. The pea family [Leguminosae]. N. and S. Dak. Hort. 17: 5, 16. Jan. 1944. 81 N817
- 8343 WALKER, A. W., and DAY, A. A. Extracts from Irish moss as a substitute for agar in bacteriological culture media. Food Res. 8: 435-443. Nov./Dec. 1943. 389.8 F7322
- 8344 WILSON, I. T., and POTZGER, J. E. Pollen study of sediments from Douglas Lake, Cheboygan County and Middle Fish Lake, Montmorency County, Michigan. Ind. Acad. Sci. Proc. (1942) 52: 87-92. 1943. 500 In2

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 8345 AMERICAN SOCIETY OF PLANT TAXONOMISTS. The taxonomic index. Vol. 6, No. 9/12, 7 p., processed. N. Y., N. Y. Bot. Gard., Sept./Dec. 1943. 450 T19



8346 \*BECHERER, A. Fortschritte in der systematik und floristik der Schweizerflora (Gefäßpflanzen) in den Jahren 1940 und 1941. Schweiz. Bot. Gesell. Ber. 52: 476-537. Nov. 1942. 451 Sch9

8347 BOWLES, E. A. North African plants. Gard. Chron. 114: 244. Dec. 25, 1943. 80 G162

8348 ERSKINE, JOHN. The introduced flora of the neighborhood of Windsor, Nova Scotia. Acadian Nat. 1: 51-58. Nov. 1943. 410.9 N42A

8349 EYLES, M. S., and EYLES, D. E. A local flora of the Reelfoot Lake region of west Tennessee. Reelfoot Lake Biol. Sta. Rpt. 7: 108-136. Jan. 1943. 442.9 R25

8350 FERNALD, M. L. Overlooked species, transfers and novelties in the flora of eastern North America. (To be cont.) Rhodora 46: 1-21. Jan. 1944. 450 R34

8351 LITTLE, E. L., JR., and CAMPBELL, R. S. Flora of Jornada Experimental Range, New Mexico. Amer. Midland Nat. 30: 626-670. Nov. 1943. Refs., p. 668-670. 410 M58

8352 RODRIGUEZ, M. A. B. DE. Guía para conocer las plantas más comunes en el bosque de Chapultepec. Mex. Univ. Nac. Inst. de Biol. Fol. 39, 54 p. Chapultepec, 1944. 442.9 M57F

8353 WARD, F. K. Rima. Gard. Chron. 113: 76-77. Feb. 20, 1943. 80 G162  
Notes on flora of Rima, Tibet.

#### Spermatophytes

8354 ALLARD, H. A. Two species of *Juncus* [J. articulatus, J. filiformis, new to West Virginia. Castanea 8: 132-133. Nov./Dec. 1943. 450 So82

8355 BLAKE, S. F. A new plant of the genus *Onoseris* [O. fraterna, from Bolivia. Wash. Acad. Sci. Jour. 33: 368-369. Dec. 15, 1943. 500 W276J

8356 CLELAND, R. E. The problem of species in *Oenothera*. Amer. Nat. 78: 5-28. Jan./Feb. 1944. 470 Am36

8357 COOMBS, S. V. Silver trees [*Leucadendron argenteum*, on the Cape Peninsula. Natl. Hort. Mag. 23: 19-21. Jan. 1944. 80 N216

8358 COPELAND, H. F. A study, anatomical and taxonomic, of the genera of *Rhododendroideae*. Amer. Midland Nat. 30: 533-625. Nov. 1943. Refs., p. 621-625. 410 M58

8359 CROIZAT, LEON. A study of the genus *Lophophora* Coulter. I. (Cont.) Desert Plant Life 15: 138-140. Nov. 1943. 450 D45

8360 EGLER, F. E. Leaf key to common forest trees of the Yucatán Peninsula. U. S. Forest Serv. Trop. Forestry Unit Caribbean Forester 5: 1-19, processed. Oct. 1943. 1.9622 T2C23

8361 FOSBERG, F. R., and WALKER, E. H. First supplement to A Preliminary check list of plants in the Shenandoah National Park. Castanea 8: 109-115. Nov./Dec. 1943. 450 So82

8362 GORHAM, R. P. The distribution of *Prunus nigra* Ait. in New Brunswick. Acadian Nat. 1: 43-46. May 1943. 410.9 N42A

8363 HANES, C. R. Additions to the flora of Michigan. IV. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 37-40. 1943. 500 M582

8364 HAWKES, A. D. The Orchidaceae of Florida-IV. [*Epidendrum boothianum*]. Amer. Orchid Soc. Bul. 12: 260-262. Jan. 1, 1944. 80 Am329

8365 HERINGER, E. P. Contribuição ao conhecimento da flora orquídea da Estação Experimental de Coronel Pacheco e suas dependências. Bras. Soc. de Agron. Bol. 6: 125-130. June 1943. 9.2 Sol3

List of herbarium specimens of orchids collected in Minas Gerais Province, Brazil.

8366 HODGSON, A. R. *Lilium superbum* and other isolated species in Durham, New Hampshire. Rhodora 46: 21-23. Jan. 1944. 450 R34

8367 JONES, G. N. *Geranium nervosum*. Rhodora 46: 28. Jan. 1944. 450 R34

8368 KOTZE, J. J., and SMITH, C. A. Nomenclature of the South African yellowwoods. So. African Forestry Assoc. Jour. No. 10, p. 23-28. Apr. 1943. 99.9 So82

Introduction with notes on distribution, by J. J. Kotze; Nomenclature of *Podocarpus* species, by C. A. Smith.

8369 KRAUSS, H. K. Pioneers who blazed the trail which culminated in standardized botanical methods. (To be cont.) Begonian 12: 238, 241-242. Jan. 1944. 96.511 B39

Nomenclature and history of begonia species. 8370 LAKELA, OLGA. Notes on Minnesota plant life. Rhodora 46: 25-28. Jan. 1944. 450 R34

8371 LEHMANN, A. J. V. The skunk cabbage [*Symplocarpus foetidus*]. Canad. Nature 6: 12-13. Jan./Feb. 1944. 410 C162

8372 MARIE-VICTORIN, FRERE. Mise au point sur les *Gerardia* du Québec. Nat. Canad. 70: 235-244. Sept./Oct. 1943. 410 N216

8373 MONACHINO, JOSEPH. *Herniaria glabra*, var. *subciliata* in New York. Rhodora 46: 23-25. Jan. 1944. 450 R34

8374 SCHWEINFURTH, CHARLES. Another new species of *Coryanthes* [C. trifoliata]. Amer. Orchid Soc. Bul. 12: 276-278. Jan. 1, 1944. 80 Am329

8375 SWALLEN, J. R. The Alaskan species of *Pucciniella*. Wash. Acad. Sci. Jour. 34: 16-23. Jan. 1944. 500 W276J

Six new species described.

8376 WATTS, M. T. The cones of the Arboretum. Morton Arboretum Bul. Pop. Inform. 18: 65-68. Dec. 1943. 99.9 M84

Key to conifers.

8377 WYMAN, DONALD. A simple foliage key to the firs [*Abies* and *Pseudotsuga*]. Arnoldia 3: 65-71. Dec. 31, 1943. 451 Ar6Ba

8378 YUNCKER, T. G. *Cuscuta obtusiflora* H. B. K. var. *glandulosa* Engelm. in Indiana. Ind. Acad. Sci. Proc. (1942) 52: 82. 1943. 500 In2

#### Pteridophytes

8379 HALL, C. C. Observations on western *Botrychiums*. Amer. Fern Jour. 33: 119-130. Oct./Dec. 1943. 450 Am35

8380 LEGG, W. C., and BROOKS, MAURICE. New *Botrychium* finds in West Virginia. Amer. Fern Jour. 33: 140-141. Oct./Dec. 1943. 450 Am35C

8381 MAXON, W. R. Five new species of *Dryopteris* from Peru. Wash. Acad. Sci. Jour. 34: 24-27. Jan. 15, 1944. 500 W276J

8382 MORTON, C. V. Notes on *Dryopteris celsa*. Amer. Fern Jour. 33: 141-142. Oct./Dec. 1943. 450 Am35

8383 RAPP, W. F., JR. New stations for *Equisetum hyemale* var. *jesupi* f. *multiremeum*. Amer. Fern Jour. 33: 139-140. Oct./Dec. 1943. 450 Am35

8384 SPECK, F. G. *Cyrtomium falcatum* wintering outdoors in Pennsylvania. Amer. Fern Jour. 33: 137-138. Oct./Dec. 1943. 450 Am35

8385 WEATHERBY, C. A. The group of *Selaginella parishii*. Amer. Fern Jour. 33: 113-119. Oct./Dec. 1943. 450 Am35

8386 WHERRY, E. T. *Pellaea glabella* on masonry. Amer. Fern Jour. 33: 138-139. Oct./Dec. 1943. 450 Am35

#### Bryophytes

8387 AMMONS, NELLE. Bryophytes of the Appalachian shale barrens. Castanea 8: 128-131. Nov./Dec. 1943. 450 So82



8388 HABEED, HERBERT. Notes on the moss flora of New Brunswick. *Acadian Nat.* 1: 70-74. Nov. 1943. 410.9 N42A

8389 PARKER, DOROTHY. Additions to the Hepaticae of Indiana. II. *Ind. Acad. Sci. Proc.* (1942) 52: 96. 1943. 500 In2

8390 STEHLE, HENRI. La végétation muscinale des Antilles françaises et son intérêt dans la valorisation sylvicole. (Cont.) *U. S. Forest Serv. Trop. Forestry Unit Caribbean Forester* 5: 20-30, processed. Oct. 1943. 1.9622 T2C23

8391 WELCH, W. H. Studies in Indiana bryophytes. V. *Ind. Acad. Sci. Proc.* (1942) 52: 52-57. 1943. 500 In2

#### Algae

8392 BLUM, J. L. New species of *Spirogyra*. *Amer. Jour. Bot.* 30: 782-783. Dec. 1943. 450 Am36

8393 BRITTON, M. E. New species of *Chlorophyceae*. *Amer. Jour. Bot.* 30: 799-800. Dec. 1943. 450 Am36

*Spirogyra silvicola*, *Oedogonium laporteanum*, and *O. pretinaequalense*.

8394 DROUET, FRANCIS. New species and transfers in *Myxophyceae*. *Amer. Midland Nat.* 30: 671-674. Nov. 1943. 410 M58

8395 GILBERT, W. J. Studies on Philippine *Chlorophyceae*. I. The *Dasycladaceae*. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 15-35. 1943. 500 M582

8396 HUGHES, E. C. Fresh-water algae of the Maritime Provinces [of Canada]. *Ohio State Univ. Abs. Doctoral Diss. No.* 40, p. 153-159. 1943. 241.8 Ch3

Includes several new species and one new genus, *Entansia* placed within the *Chlorophyceae*.

8397 KING, L. J. A list of *Myxophyceae* from Wayne County, Indiana. *Ind. Acad. Sci. Proc.* (1942) 52: 71-81. 1943. 500 In2

8398 \*MOEWUS, FRANZ. Statistische auswertung einiger physiologischer und genetischer versuche an *Protosiphon* und *Chlamydomonas*. *Biol. Zentbl.* 63: 169-203. 1943. 442.8 B523

8399 PALMER, C. M. Distribution by altitude of two species of *Lemanea* in Tennessee. *Ind. Acad. Sci. Proc.* (1942) 52: 69-70. 1943. 500 In2

*L. australis* and *L. fucina*.

8400 FAPENUSS, G. F. Notes on algal nomenclature. III. Miscellaneous species of *Chlorophyceae*, *Phaeophyceae* and *Rhodophyceae*. *Farlowia* 1: 337-346. Jan. 1944. 450 F22

8401 PRESCOTT, G. W., and SCOTT, A. M. The desmid genus *Microsterias* Agardh in southeastern United States. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 67-82. Ref., p. 81-82. 1943. 500 M582

8402 PRESCOTT, G. W. New species and varieties of Wisconsin algae. *Farlowia* 1: 347-385. Jan. 1944. 450 F22

8403 RANDHAWA, M. S. A critical review of some recently created new species of Indian *Zygnemales*. *Indian Acad. Sci. Proc. Sect. B*, 18: 73-81. Oct. 1943. Ref., p. 79-81. 513 In25B

8404 SMITH, G. M. Microasplanospores of *Vaucheria*. *Farlowia* 1: 387-389. Jan. 1944. 450 F22

8405 TAYLOR, W. R. Marine algae from Haiti collected by H. H. Bartlett in 1941. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 143-163. Ref., p. 162-163. 1943. 500 M582

New species: *Gloiophlaxa caribaea*, *Gelidiella trinitatensis*, *G. floridanum*, *Pterocladia americana*, *P. bartlettii*.

8406 TSENG, C. K. Marine algae of Hong Kong. III-IV. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 165-183, 185-208. 1943. Ref., p. 181-183, 207. 500 M582

III. The genus *Bostrychia*. IV. The genus *Laurencia*.

8407 WHITFORD, L. A. The fresh-water algae of North Carolina. *Elisha Mitchell Sci. Soc. Jour.* 59: 131-170. Dec. 1943. 500 E14

#### Fungi (Including Lichens)

8408 BARGHCORN, E. S., and LINDER, D. H. Marine fungi: their taxonomy and biology. *Farlowia* 1: 395-467. Jan. 1944. Ref., p. 464-465. 450 F22

8409 BAXTER, D. V. Some resupinate polypores from the region of the Great Lakes. XIV. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 215-233. 1943. 500 M582

*Poria ossea* n. sp.

8410 BESSEY, E. A. Notes on Hawaiian fungi. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 3-8. 1943. 500 M582

8411 BURGUES, S. A. Identificación de los carbones volantes de la cebada. *Uruguay Univ. Facult. de Agron. Rev. No.* 31, p. 111-117. Feb. 1943. 102.5 M76R

*Ustilago nuda* and *U. hordei*.

8412 HANSFORD, C. G. Host list of the parasitic fungi of Uganda. Part III. *East African Agr. Jour.* 9: 102-106. Oct. 1943. 24 Ea74

8413 HERRE, A. W. C. T. A neglected field of study with the description of a new lichen *Anema dodgii* n. sp., from California. *Farlowia* 1: 391-393. Jan. 1944. 450 F22

8414 LOWE, J. L. *Cladonia alpicola* in New York State. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 63-65. 1943. 500 M582

8415 MUNDKUR, B. B., and THIRUMALACHAR, M. J. *Catenulospora*, a new genus of rusts. *Ann. Bot. [London]* (n. s.) 7: 213-220. July 1943. 450 An7

*C. flacourtiae* n. sp. on *Flacourtia sepiaria*, and *C. vitis* n. comb. (*Chrysomyxa vitis* Butler).

8416 NICKERSON, W. J. Studies in the genus *Zygosaccharomyces*. I. Transfer of pellicle-forming yeasts to *Zygopichia*. *Farlowia* 1: 469-481. Jan. 1944. 450 F22

8417 PEREZ-LLANG, G. A. Lichens - their biological and economic significance. *Bot. Rev.* 10: 1-65. Jan. 1944. Refs., p. 57-65. 450 B6527

8418 SINGER, ROLF, and SMITH, A. H. A monograph on the genus *Leucopaxillus* Boursier. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 85-132. 1943. 500 M582

*L. gracillimus* n. sp., and several new combinations, varieties, and forms.

8419 WHETZEL, H. H. A new genus of the *Sclerotiniaceae* *Coprotinia minutula* n. g., n. sp. *Farlowia* 1: 483-488. Jan. 1944. 450 F22

8420 WOODWARD, C. H. Egg-throwers of the mushroom world. *N. Y. Bot. Gard. Jour.* 44: 274-278. Dec. 1943. 451 N48J

Bird's-nest fungus, *Cyathus striatus*.

#### PLANT PATHOLOGY

##### General

8421 AMERICAN PHYTOPATHOLOGICAL SOCIETY. Abstracts of papers accepted for presentation at the thirty-fifth annual meeting of the society, Columbus, Ohio, December 4 to 6, 1943. *Phytopathology* 33: 1109-1121. Dec. 1943. 464.8 P56

8422 BEAR, E. M. Grease-banding and bark splitting of apple trees. *Gard. Chron.* 113: 77. Feb. 20, 1943. 80 G162

8423 CARNEVALE, J. A. El cuidado de los frutales. IX. Control de las enfermedades. *Pampa Argentina* 17(195): 10. Nov. 1943. 9 P19

8424 CASSELL, R. C. Potato diseases in Vermont. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 659-661, processed. Dec. 1, 1943. 1.9 P69P



8425 CHUPP, CHARLES. Another excuse for treating seed-beds [to control black-rot and black-leg of crucifers]. [N. Y.] Rensselaer County Farm Bur. News 20(10): 4. Jan. 1944. 275, 293 N. Y. Rensselaer Co.

8426 DRUMMOND, O. A. Doenças da batata. Ceres 4: 419-420. July/Aug. 1943. 9.2 C332

8427 FOSTER, W. R. Diseases and pests of cereals, fibre, forage and root crops. Brit. Columbia Dept. Agr., Dept. Cir. 17, 52 p. Victoria, B. C., 1942. 7 B777

8428 HAENSLER, C. M. Observations on seed decay and seed protectants. N. J. Agr. Expt. Sta. Plant Dis. Notes 21: 1-4. Apr. 1943 (issued Jan. 1944). 464.9 N46P

8429 HARRIS, M. R. Diseases of glass house vegetables in Ohio. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 646-649, processed. Nov. 15, 1943. 1.9 P69P

Fungus, nematode, and virus diseases reported.

8430 HARRIS, R. V. General review of research work. V. Plant pathology. East Malling Kent, Res. Sta. Ann. Rpt. (1942) 30: 22-24. Aug. 1943. 103 Ea7

8431 HOWE, H. J. What about the chestnut tree? Arborist's News 9: 2-5. Jan. 1944. 99.8 Ar14

Notes the various diseases of the chestnut and what has been done in the breeding of resistant varieties.

8432 HYRE, R. A. Vegetable disease survey in the Belle Glade area of southern Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 646-647. Nov. 15, 1943. 1.9 P69P

Fungus and nematode diseases reported.

8433 JOHNSON, W. O. Florida truck crop freeze, December 1943. Citrus Mag. 6(7): 7. Jan. 1944. 80 C498

8434 JONES, L. R. Creosote injurious to plants. Horticulture 21: 462-463. Dec. 15, 1943. 80 H787

Growing plants injured by containers of wood preserved with creosote.

8435 KEYWORTH, W. G. General review of research work. VIII. Hops. B. - Diseases of hops. East Malling Kent, Res. Sta. Ann. Rpt. (1942) 30: 28-29. Aug. 1943. 103 Ea7

8436 KRAMER, M., and ANDRADE, A. C. DE. Estudos sobre adesivos da calda bordaleza. Biológico 9: 317-330. Sept. 1943. 442.8 B529

English summary.

8437 LORENZ, R. C. Discolorations and decay resulting from increment borings in hardwoods. Jour. Forestry 42: 37-43. Jan. 1944. 99.8 F768

8438 MENDEZ, ROMULO. Enfermedades y plagas de la papa. Agr. Costarricense 1(1): 19-27. June 1943. 8 Ag895

8439 MERKLE, F. G., and DUNKLE, E. C. Burning injury from fertilizers on greenhouse and field crops Pa. Agr. Expt. Sta. Sci. for the Farmer (Sup. 1, Bul. 446), p. 2-3. 1943. 100 P381

8440 MILLER, E. V. Anti-decay fungicide is made safer to use. Citrus Mag. 6(7): 4. Jan. 1944. 80 C498

Reducing rind injury of citrus by use of Dowicide-A, with addition of a small quantity of formaldehyde.

8441 MILLER, J. C. Fires caused orchard damage. San Diego Poultry Jour. 20(460): 7. Dec. 1943. 47.8 Sa52

Remedies suggested for injuries in citrus and avocado orchards.

8442 MONTGOMERY, H. B. S., and MOORE, M. H. Some fruit diseases seen on survey in Kent. East Malling Kent, Res. Sta. Ann. Rpt. (1942) 30: 104-107. Aug. 1943. 103 Ea7

8443 MOORE, W. C. Report on fungus, bacterial and other diseases of crops in England and Wales for the years 1933-1942. Gt. Brit. Min. Agr. and Fisheries Bul. 126, 101 p. London, 1943. 10 G794B

8444 NOTTAGE, I. L. Citrus notes. Bark blotch [Ascochyta corticola] and borer (Aemona hirta). New Zeal. Jour. Agr. 67: 366. Nov. 15, 1943. 23 N48J

8445 PLANT PROTECTION LTD., YALDING, KENT. Clean seed essential to successful production. Milling 102(1): 8-9. Jan. 1, 1944. 298.8 M622

Seed treatment to control disease:

8446 RHOADS, A. S. Diseases and injuries on citrus trees in central Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 690-693, processed. Dec. 1, 1943. 1.9 P69P

8447 RHOADS, A. S. Observations on the occurrence of mistletoe [Phoradendron flavescens] in Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 27: 637-638, processed. Nov. 15, 1943. 1.9 P69P

8448 SANTAMARIA DAMIRON, L. D. Características de la Mancha Terrosa. Hacienda 39: 21-22. Jan. 1944. 6 H11

Bonnygate disease of bananas.

8449 SHEARD, ENID. A fruit blemish of outdoor tomatoes (Stonor's varieties). Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 38-39. 1943. 103 N93

8450 SPRAGUE, RODERICK. Can we increase the yield of cereals by reducing rootrot injury? N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(2): 20-25. Nov. 1943. 100 N813B

Most of the discussion deals with wheat.

8451 \*STAPEL, CHR. Bekämpfung der kartoffel-skimmel i 1943 [The fight against the potato molds in 1943]. Ugeskr. for Landmaend 88: 471. June 25, 1943. 11 U63

8452 \*STÖRMER. Massnahmen zur gesundheitspflege bei pflanzkartoffeln. Mitt. f. die Landw. 58: 475-478. June 19, 1943. 18 D48M

8453 VAUGHN, E. K. Tobacco diseases in Virginia in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 643-645, processed. Nov. 15, 1943. 1.9 P69P

Bacterial, fungus, nematode, and virus diseases.

8454 VYVYAN, M. C. Sprays to control pre-harvest drop of fruit. East Malling Kent, Res. Sta. Ann. Rpt. (1942) 30: 47-48. Aug. 1943. 103 Ea7

8455 WEBBER, H. J. He fought a winning battle against two dreaded plant enemies. California's debt to Wilmon Newell. Calif. Citrog. 29: 61, 72. Jan. 1944. 80 C125

Citrus canker and the Mediterranean fruit fly.

8456 WOGLUM, R. S., and LANDON, W. E. Navel fruit drop. An analysis of factors possibly contributing to condition following spraying with oil. Calif. Citrog. 29: 59. Jan. 1944. 80 C125

8457 YARWOOD, C. E. The function of lime and host leaves in the action of Bordeaux mixture. Phytopathology 33: 1146-1156. Dec. 1943. 464.8 P56

8458 YOUNG, V. H. Treating cottonseed. Farm and Ranch 63(2): 23. Feb. 1944. 6 F31

#### Diseases Caused by Fungi

8459 ALVARADO, J. A. Enfermedades criptogámicas que atacan las hojas y frutos del café. Guatemala. Dir. Gen. de Agr. [Pub.] 799. Ed. 2, 33 p. Guatemala, Sept. 1942. 31.6 G933

8460 BARNETT, H. L. Vegetable diseases in the Colma truck crop region of California. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 649-651, processed. Nov. 15, 1943. 1.9 P69P

Mainly fungus diseases.

8461 BEDWELL, J. L., and CHILDS, T. W. Susceptibility of whitebark pine to blister rust in the Pacific Northwest. Jour. Forestry 41: 904-912. Dec. 1943. 99.8 F768

Pinus albicaulis found to be more susceptible to blister rust than western white pine.



- 8462 BIEDERDORF, F. W. A coconut fungus. Minn. Acad. Sci. Proc. (1942) 10: 6-7. [1943.] 500 M663  
Belongs to the ascomycetes; source of infection not determined.
- 8463 CHOUSSEY, FÉLIX. Las "escobas de brujas." Café de Salvador 13: 220-222. Nov. 1943. 68.28 C112
- 8464 COLHOUN, JOHN. Grey mould (Botrytis cinerea) of flax. Nature [London] 153: 25-26. Jan. 1, 1944. 472 N21
- 8465 CROSIER, WILLARD, and PATRICK, STEWART. Find mushroom (Coprinus lagopus), spawn on spinach seed. Most lots of imported New Zealand spinach seed are affected. Farm Res. [N. Y. State Sta.] 10(1): 10-11. Jan. 1944. 100 N48A
- 8466 CROSS, W. E. Como obtener máximos rendimientos con las canas atacadas por el "carbón." Indust. Azucarera 49: 572-578. Oct. 1943. 8 Ag895
- 8467 CUNNINGHAM, H. S. Potato seed piece decay puzzling. Infection appears to gain entry during cutting of seed. Farm Res. [N. Y. State Sta.] 10(1): 1, 5. Jan. 1, 1944. 100 N48A  
Caused by a species of Fusarium.
- 8468 DÉFAGO, GÉRARD. Observations sur les piétiens des céréales en Suisse romande. Schweiz. Bot. Gesell. Ber. 52: 5-46. Nov. 1942. Ref., p. 43-46. 451 Sch9
- 8469 DENNIS, R. W. G. A black rot (Strasseria carpophila) of apples, new to Britain. Gard. Chron. 114: 221. Dec. 11, 1943. 80 G162
- 8470 DUNLAP, A. A. Inhibition of Phymatotrichum sclerotia formation by sulphur autoclaved with soil. Phytopathology 33: 1205-1208. Dec. 1943. 464.8 P56
- 8471 EDDINS, A. H. Control downy mildew of cabbage with sporgon and fermate. N. Y. Packer 43(5): 26. Jan. 8, 1944. 286.8 N483
- 8472 EZEKIEL, W. N., NELSON, CHRIS, JR., and MUELLER, E. R. Sclerotium rolfsii seedling blight on black, walnut, catalpa, and Russian olive (Elaeagnus angustifolia). U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 636-637; processed. Nov. 15, 1943. 1.9 P69P
- 8473 FRUSA, ROBERTO. "Sarna" del manzano. Campo [Buenos Aires] 27(324): 48-49. Oct. 1943. 9 C15  
Apple scab caused by Fusicladium dendriticum.
- 8474 GORTER, G. J. M. A. A leaf-spot disease (Cycloconium oleaginum) of the olive. Farming in So. Africa 18: 795-798, 801. Nov. 1943. 84 So842
- 8475 GREGORY, P. H. Dissemination of fungus spores in air. Brit. Mycol. Soc. Trans. 25: 442. 1942.  
Abs. in Rev. Appl. Mycol. 22: 173. May 1943. 450 R328
- 8476 HAENSLER, C. M. Hot water seed treatment for control of black root (Phoma betae) of beets. N. J. Agr. Expt. Sta. Plant Dis. Notes 20: 49-51, processed. Mar. 1943 (issued Jan. 1944). 464.9 N46P
- 8477 HAENSLER, C. M. White rot (Sclerotium cepivorum) of onion. N. J. Agr. Expt. Sta. Plant Dis. Notes 21: 5-8. May 1943 (issued Jan. 1944). 464.9 N46P
- 8478 HARDY, E. Textile mildews. Silk and Rayon 16: 468, 470. 1942.  
Abs. in Rev. Appl. Mycol. 22: 135-136. Apr. 1943. 450 R328
- 8479 HARRIS, M. R. Forest tree diseases in Ohio. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 638, processed. Nov. 15, 1943. 1.9 P69P
- 8480 HIRT, R. R. Distribution of blister-rust cankers on eastern white pine according to age of needle-bearing wood at time of infection. Jour. Forestry 42: 9-14. Jan. 1944. 99.8 F768
- 8481 HONEY, E. E. Tree diseases observed in Wisconsin. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 638-641, processed. Nov. 15, 1943. 1.9 P69P
- 8482 KEITT, G. W., and others. Occurrence of the imperfect stage of Sclerotinia laxa on Prunus cerasus in Wisconsin. Phytopathology 33: 1212-1213. Dec. 1943. 464.8 P56  
J. D. Moore, E. C. Calavan, and J. R. Shay, joint authors.  
Causes brown rot of cherry.
- 8483 LOHWAG, KURT. Der buchenschwamm im Prater. Zentbl. f. das Gesam. Forstw. 69: 54-58. Feb. 1943. 99.8 C33  
Destruction of trees by various species of Polyporus.
- 8484 MONTGOMERY, H. B. S., and SHAW, H. Field trials of phenyl mercury chloride for the control of potato blight. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 68-70. Aug. 1943. 103 Ea7
- 8485 MOORE, W. D., and THOMAS, H. R. Some cultural practices that influence the development of Alternaria solani on tomato seedlings. Phytopathology 33: 1176-1184. Dec. 1943. 464.8 P56
- 8486 MUNDKUR, B. B. Mode of transmission of the kernel bunt of wheat. Indian Jour. Agr. Sci. 13(1): 54-58. 1943.  
Abs. in Biol. Abs. 17: 25183. Dec. 1943. 442.8 B526
- 8487 PADY, S. M. Corn disease survey in Nebraska and Kansas. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 685-686, processed. Dec. 1, 1943. 1.9 P69P
- 8488 PHELPS, V. H. Heart rot of aspen (caused by Fomes ignarius). Canada. Forest Serv. Silviculture Leaflet 18, 2 p., processed. Ottawa, Dec. 1943. 99.9 C165
- 8489 RAYCHAUDHURI, S. P. A disease of pigeon-pea, Cajanus cajan (L.) Millsp. caused by Diplodia cajani, spec. nov. Indian Jour. Agr. Sci. 12(6): 837-847. 1942.  
Abs. in Biol. Abs. 17: 25184. Dec. 1943. 442.8 B526
- 8490 READ, W. H. Didymella (tomato stem-rot) investigations. Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 40-43. 1943. 103 N93  
Methods of control of D. lycopersici studied.
- 8491 READ, W. H. Fungicides for the control of "late-blight" (Phytophthora infestans) on tomatoes. Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 43-47. 1943. 103 N93
- 8492 REX, A. G., and MAY, CURTIS. Natural spread of Dutch elm (disease) in a small area in New Jersey. Arborist's News 8: 89-90. Dec. 1943. 99.8 Ar14
- 8493 RHOADS, A. S. Further notes on Clitocybe root rot of woody plants in Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 694-696, processed. Dec. 1, 1943. 1.9 P69P
- 8494 RODRIGUEZ LZ., L. La sarna polvorienta [Spongospora subterranea] de la papa. Ecuador. Min. de Agr. Bol. 27, 11 p. Oct. 1943. 9.5 Ag8B  
Also in Ecuador. Cám. Primera Zona de Agr. Rev. 6: 723-728. July/Aug. 1943. 9.5 Ec96
- 8495 SILVEIRA, V. D. Notas fitopatológicas y micológicas. IV. Soc. Bras. de Agron. Bol. 6: 109-118. June 1943. 9.2 Sol3  
Brief descriptions of various plant diseases and the fungi causing them.
- 8496 SMALL, T. Black scurf and stem canker of potato (Corticium solani Bourd. & Galz.). Field studies on the use of clean and contaminated seed potatoes and on the contamination of crop tubers. Ann. Appl. Biol. 30: 221-226. Nov. 1943. 442.8 An7c



- 8487 SNYDER, W. C. Smudge [*Colletotrichum circinans*, and other fungus blemishes on onion sets imported into California. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 645-647, processed. Nov. 15, 1943. 1.9 P69P
- 8498 STOA, T. E. Resistant oats varieties insure against rust loss. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(2): 2-5. Nov. 1943. 100 N813B
- 8499 STODDARD, E. M., and HEUBERGER, J. W. Eradicator action of fungicides on spores of living plants. Phytopathology 33: 1190-1195. Dec. 1943. 464.8 P56
- 8500 TAYLOR, J. W., and HARLAN, H. V. Agromomic smut, loose smut of barley. Jour. Hered. 34: 309-310. Oct. 1943. 442.8 Am3
- 8501 THOROLD, C. A. Witches' broom disease investigations. VII. Observations on direct control [of *Marasmius perniciosus* on cacao]. Trop. Agr. [Trinidad] 20: 239-241. Dec. 1943. 26 T754
- 8502 TYLER, L. J. Corn ear diseases in southeastern Pennsylvania. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 681-684, processed. Dec. 1, 1943. 1.9 P69P
- 8503 TYNER, L. E., and BROADFOOT, W. C. Field tests of the differential reaction of wheat varieties to root rot. Sci. Agr. 24: 153-163. Dec. 1943. 7 Sci2
- 8504 WATERHOUSE, W. L. Rust experiments with wheat. Hawkesbury Agr. Col. Jour. 40: 141, 149-150. Nov. 1943. 276.8 H31
- 8505 WERNHAM, C. C., and CHILTON, ST. J. P. Typhula snowmold of pasture grasses. Phytopathology 33: 1157-1165. Dec. 1943. 464.8 P56
- 8506 WHITE, N. H., and DICKSON, B. T. A spot disease of guayule (*Parthenium argentatum* Gray). Austral. Council Sci. and Indus. Res. Jour. 16: 258-260. Nov. 1943. 514 Au72J
- The pathogen is tentatively designated as a *Ramularia*, similar to *R. bellunensis*.
- 8507 WILLIAMS, P. H. Tomato leaf mould (*Cladosporium fulvum*). Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 30. 1943. 103 N93
- 8508 WILLIAMS, P. H. Verticillium wilt of tomato. Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 27-30. 1943. 103 N93

#### Diseases Caused by Bacteria

- 8509 KNORR, L. C. Potato ring rot is relatively recent disease in New York. First reported in 1939. Farm Res. [N. Y. State Sta.] 10(1): 4-5. Jan. 1944. 100 N48A
- 8510 MONTGOMERY, H. B. S., MOORE, M. H., and HOBLYN, T. N. A field trial of measures designed for the control of bacterial canker of Victoria plum trees. East Malling [Kent, Res. Sta. Ann. Rpt. (1942) 30: 53-61. Aug. 1943. 103 Ea7
- 8511 PINE, LEO. A hitherto unreported disease of the Washington palm. Phytopathology 33: 1201-1204. Dec. 1943. 464.8 P56
- Caused by *Phytoplasma washingtoniae* n. sp.
- 8512 TYLER, L. J. Survey for bacterial wilt of alfalfa in Pennsylvania. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 686-689, processed. Dec. 1, 1943. 1.9 P69P
- 8513 WORMOLD, HUGH. Bacterial diseases of acid cherry trees. East Malling [Kent, Res. Sta. Ann. Rpt. (1942) 30: 61-62. Aug. 1943. 103 Ea7

#### Viruses and Virus Diseases

- 8514 BURKHOLDER, W. H. New virus may threaten Robust pea-bean in New York. Farm Res. [N. Y. State Sta.] 10(1): 12, 16. Jan. 1944. 100 N48A
- Variety has proved invaluable for past 25 years because of immunity to mosaic, but signs of infection are now apparent.

- 8515 CREAGER, D. B. How to recognize and control mosaic on carnation plants. Florists' Rev. 93(2409): 27-29. Jan. 27, 1944. 80 W41
- Also in South. Florist and Nurseryman 56(19): 7-8, 29. Feb. 4, 1944. 80 So86
- 8516 DALE, W. T. Preliminary studies of the plant viruses of Trinidad. Trop. Agr. [Trinidad] 20: 228-235. Dec. 1943. 26 T754
- 8517 HELSON, G. A. H., and NORRIS, D. O. Transmission of potato virus diseases. 3. Susceptibility of Cruciferae to potato leaf roll virus. Austral. Council Sci. and Indus. Res. Jour. 16: 261-262. Nov. 1943. 514 Au72J
- 8518 JOHNSON, FOLKE, and JONES, L. K. A report on a study of virus transmission by fungi and nodule bacteria of peas. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 656-658, processed. Dec. 1, 1943. 1.9 P69P
- 8519 KEITT, G. W., and MOORE, J. D. Masking of the leaf symptoms of sour-cherry yellows by temperature effects. Phytopathology 33: 1213-1215. Dec. 1943. 464.8 P56
- 8520 LAUFFER, M. A. The sedimentation rate of the infectious principle of tobacco mosaic virus. Jour. Biol. Chem. 151: 627-634. Dec. 1943. Refs., p. 633-634. 381 J824
- 8521 MCWHORTER, O. T. Don't set diseased strawberry plants. Oreg. Farmer 67: 15. Jan. 6, 1944. 6 Or32
- Control of virus diseases.
- 8522 RICHARDS, B. L., and BURKHOLDER, W. H. A new mosaic disease of beans. Phytopathology 33: 1215-1216. Dec. 1943. 464.8 P56
- 8523 SELMAN, I. W. Virus diseases. Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 32-37. 1943. 103 N93
- 8524 SWINGLE, R. U., TILFORD, P. E., and IRISH, C. F. A graft transmissible mosaic of American elm. Phytopathology 33: 1196-1200. Dec. 1943. 464.8 P56
- 8525 WARE, W. M., and GLASSCOCK, H. H. Cucurber virus 1 in Ridge cucumbers. Gard. Chron. 114: 212. Dec. 4, 1943. 80 G162
- 8526 \*ZIMMER, K. G. Zur deutung der beziehung zwischen konzentration von viruslösungen und infektionshäufigkeit. Biol. Zentbl. 63: 142-152. Ref., p. 151-152. 442.8 B523

#### Diseases Caused by Nematodes

- 8527 BLODGETT, E. C. Stem nematode [*Ditylenchus dipsaci*] on potato: a new potato disease in Idaho. U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr. 27: 658-659, processed. Dec. 1, 1943. 1.9 P69P
- 8528 SPEYER, E. R. Eelworms (Nematoda). Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 48-50. 1943. 103 N93
- Control of root knot.
- 8529 TAYLOR, A. L. Soil fumigation with chloropicrin for control of the root knot nematode, *Heterodera marioni*. Phytopathology 33: 1166-1175. Dec. 1943. 464.8 P56
- 8530 WOOD, J. Potato root eelworm attacking tomato plants. Kirton Agr. Jour. No. 9, p. 11, 13. Dec. 1943. 10 K63

#### PLANT ECOLOGY

- 8531 \*AUBERT, SAM. A propos d'airelles. Jour. Forest. Suisse 94: 220-222. Oct. 1943. 99.8 J82
- Blueberries indicate acid soil.
- 8532 \*AUBERT, SAM. Chèvrefeuilles, viornes et sureaux. Jour. Forest. Suisse 94: 165-167. July 1943. 99.8 J82
- Caprifoliaceae in Alpine vegetation.



- 8533 BOUGET, JOSEPH. Rendements de la pomme de terre et associations végétales dans certaines stations Pyrénéennes. Inst. Pasteur Paris, Ann. 69: 287-293. Sept./Oct. 1943. 448.3 Am75
- 8534 FAIRBAIN, W. A. Classification and description of the vegetation types of the Niger Colony, French West Africa. Oxford Univ. Imp. Forestry Inst. Inst. Paper 23, 38 p. Oxford, 1943. 99.9 Ox23
- 8535 FERRI, M. G. Observações sobre Lagoa Santa. Ceres 4: 137-150. Jan./Feb. 1943. 9.2 C332
- English summary.  
Study of the vegetation.
- 8536 HARPER, R. M. Hemlock in the Tennessee Valley of Alabama. Castanea 8: 115-123. Nov./Dec. 1943. 450 So82
- Contains list of plants along Fox-trap Creek, Tenn.
- 8537 INGOLD, C. T. On the distribution of aquatic Hyphomycetes saprophytic on submerged decaying leaves. New Phytol. 42: 139-143. Nov. 1943. 450 N42
- 8538 KENOYER, L. A. Forest associations of Ottawa County, Michigan, at the time of the original survey. Mich. Acad. Sci., Arts and Letters Papers (1942) 28: 47-50. 1943. 500 M582
- 8539 \*KILLIAN, CHARLES. Bromus rubens L. Contribution à l'étude des plantes annuelles xérophytiques du désert. Schweiz. Bot. Gesell. Ber. 52: 215-238. Nov. 1942. Ref., p. 236-238. 451 Sch9
- 8540 \*MOOR, MAX. Die pflanzengesellschaften der Freiberge (Berner Jura). Schweiz. Bot. Gesell. Ber. 52: 363-422. Nov. 1942. 451 Sch9
- 8541 NEILL, J. C. The endophytes of Lolium and Festuca. New Zeal. Jour. Sci. and Technol. 23: 185A-193A. Dec. 1941. 514 N48
- 8542 PICKFORD, G. D. Interpreting mountain meadow range condition in Washington and Oregon, by observing trend and stage of plant succession. Northwest Sci. 17: 87-90. Nov. 1943. 470 N81
- 8543 POTZGER, J. E., and FRIESNER, R. C. An ecological survey of Berkey Woods, a remnant of forest primeval in Kosciusko County, Indiana. [Abs.] Ind. Acad. Sci. Proc. (1942) 52: 34. 1943. 500 In2
- 8544 \*REGEL, CONSTANTIN. Ueber die umkehrung der vegetationsstufen in Griechenland. Schweiz. Bot. Gesell. Ber. 52: 621-634. Nov. 1942. 451 Sch9
- 8545 \*\*SMOTLACHA, F. Symbiosa veľkých hub s lesnými stromy [Symbiosis of macrofungi and forest trees]. Lesnická Práce (Oeuvre Forest) 21(4/5): 208-211. 1942.
- Abs. in Biol. Abs. 17: 23014. Dec. 1943. 442.8 B526
- 8546 WATT, A. S. Contributions to the ecology of bracken (Pteridium aquilinum). II. The frond and the plant. New Phytol. 42: 103-126. Nov. 1943. 450 N42
- PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY
- 8547 BACCHI, OSWALDO. Cytological observations in Citrus: III. Megasporogenesis, fertilization, and polyembryony. Bot. Gaz. 105: 221-225. Dec. 1943. 450 B652
- 8548 BASTOS DE MENEZES, OSWALDO. Meiose normal em Lilium candidum. Soc. Bras. de Agron. Bol. 6: 105-108. June 1943. 9.2 Sol3
- 8549 BOGAROSH, P. L. Palisade ratios of the official leaf drugs of the Solanaceae, Solanum carolinense and Phytolacca americana. Amer. Jour. Pharm. 115: 373-385. Oct. 1943. 396.8 Am3
- 8550 CAMERON, J. W. Chromosomes of a maize relative, Polytaea macrophylla Benth. Amer. Jour. Bot. 30: 776-778. Dec. 1943. 450 Am36
- 8551 DUNCAN, R. E. Origin and development of embryos in certain apogamous forms of Dryopteris. Bot. Gaz. 105: 202-211. Dec. 1943. 450 B652
- 8552 FAIRBURN, J. W. Cardamon: a study of its sclerenchymatous layer. Quart. Jour. Pharm. and Pharmacol. 16: 243-249. July/Sept. 1943. 396.8 Q2
- Experiments with Elettaria cardamomum var. minuscula, Amomum aromaticum, A. kepulaga, and Aframomum korarima.
- 8553 FERNANDEZ, J. A., and BURGUES, S. A. Importancia del polen en la determinación del origen de las mieles. Uruguay Univ. Facult. de Agron. Rev., No. 31, p. 9-42. Feb. 1943. 102.5 M76R
- Pollen from 16 families of plants studied and illustrated.
- 8554 GARBER, E. D. A cytological study of the genus Sorghum: subsections Para-sorghum and Eusorghum. Amer. Nat. 78: 89-94. Jan./Feb. 1944. 470 Am36
- 8555 HAUPT, A. W. Structure and development of Symphyogyna brasiliensis. Bot. Gaz. 105: 193-201. Dec. 1943. 450 B652
- 8556 \*\*IYENGAR, N. K. Chromatin bridges in cotton. Indian Jour. Agr. Sci. 12: 785. 1942.
- Abs. in Empire Cotton Growing Rev. 20: 123. Dec. 1943. 72.8 Em7
- 8557 JOSHI, A. C. Origin of the trimerous perianth. Nature [London] 152: 695. Dec. 11, 1943. 472 N21
- Study of the vascular anatomy of Myristica fragrans.
- 8558 KING, L. J. Notes on the venation patterns of the stipules and calyces of some legumes. [Abs.] Ind. Acad. Sci. Proc. (1942) 52: 34-35. 1943. 500 In2
- 8559 KUNDU, B. C. Anatomy of jute stem - formation of network of fibres. Indian Cent. Jute Com. Bul. 6: 157-161. July 1943. 73.38 In2
- 8560 LEWIS, F. T. The geometry of growth and cell division in epithelial mosaics. Amer. Jour. Bot. 30: 766-776. Dec. 1943. 450 Am36
- Deals with relation of cell size to polygonal cell shape.
- 8561 LUCKHOFF, H. A. Histological distribution of wattle bark tannin. So. African Forestry Assoc. Jour. No. 10, p. 40-50. Apr. 1943. 99.9 So82
- 8562 MCCOWN, MONROE. Anatomical and chemical aspects of abscission of fruits of the apple. Bot. Gaz. 105: 212-220. Dec. 1943. 450 B652
- 8563 MCDONOUGH, E. S. Studies on the cytoplasm and its inclusions in Sclerospora graminicola. Amer. Jour. Bot. 30: 809-813. Dec. 1943. 450 Am36
- 8564 MCMENAMIN, J. P. Observations on the stomatal structure of Ilex opaca. Ind. Acad. Sci. Proc. (1942) 52: 58-61. 1943. 500 In2
- 8565 MANN, L. K. Fruit shape of watermelon as affected by placement of pollen on stigma. Bot. Gaz. 105: 257-262. Dec. 1943. 450 B652
- 8566 MANTON, IRENE, and SMILES, J. Observations on the spiral structure of somatic chromosomes in Osmunda with the aid of ultraviolet light. Ann. Bot. [London] (n.s.) 7: 195-212. July 1943. 450 An7
- 8567 MUSICK, A. H., and YOUNGKEN, H. W. A histological comparison of the rhizomes and stipes of Dryopteris filix-mas with those of certain other members of the Polypodiaceae family. Amer. Jour. Pharm. 115: 449-460. Dec. 1943. 396.8 Am3
- 8568 \*\*RAU, M. A. Development of the embryo-sac and embryo in Streblus asper Lour. Mysore Univ. Half-Yearly Jour. Sect. B 2(2): 109-114. 1942.
- Abs. in Biol. Abs. 17: 24766. Dec. 1943. 442.8 B526



8569 \*SCHUEPP, OTTO. Beschreibung von Blütenständen auf grund des zeitlichen verlaufes der anlage, des wachstums, und des aufblühens. Schweiz. Bot. Gesell. Ber. 52: 273-316. Nov. 1942. 451 Sch9

8570 SKENE, MACGREGOR. The permeability of the cellulose cell wall. Ann. Bot. [London], (n.s.) 7: 260-273. July 1943. 450 Am7

8571 SMITH, F. H. Megagametophyte of Clintonia. Bot. Gaz. 105: 263-267. Dec. 1943. 450 B652

8572 STEINBAUER, G. P. Frequency of polyembryony in Fraxinus seeds. Bot. Gaz. 105: 285. Dec. 1943. 450 B652

8573 SWANSON, C. P. Differences in meiotic coiling between Trillium and Tradescantia. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 133-142. Ref., p. 141-142. 1943. 500 M582

8574 SWANSON, C. P. X-ray and ultraviolet studies on pollen tube chromosomes. I. The effect of ultraviolet (2537 Å) on X-ray-induced chromosomal aberrations. Genetics 29: 61-68. Jan. 1944. 442.8 G28

8575 WANG, CHI-SHI. Studies on cytology of Ustilago crameri. Phytopathology 33: 1122-1132. Dec. 1943. 464.8 P56

8576 WATTS, M. T. Winter twigs. Morton Arboretum Bul. Pop. Inform. 18: 61-64. Nov. 1943. 99.9 M84

8577 YINGLING, H. C. Some aspects of the anatomy of Coccothrips uvifera (L.) Jacq. Ohio State Univ. Abs. Doctoral Diss., No. 40, p. 343-352. 1943. 241.8 Oh3

#### PLANT GENETICS

8578 ATWOOD, S. S., and SULLIVAN, J. T. Inheritance of a cyanogenetic glucoside and its hydrolyzing enzyme in Trifolium repens. Jour. Hered. 34: 311-320. Oct. 1943. 442.8 Am3

8579 DALE, E. E. Further studies of inheritance of variegation in petunia: broken-variegated. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 9-14. 1943. 500 M582

8580 GENTNER, C. F. A study of the inheritance of the susceptibility to leaf blight of corn. Ohio State Univ. Abs. Doctoral Diss., No. 40, p. 97-107. 1943. 241.8 Oh3

Genetics of resistance to leaf blight caused by Phytonomas stewarti and Helminthosporium turcicum.

8581 \*GSELL, RUDOLF. Beitrag zur kenntnis von X X Gymnigritella suaveolens G. Cam. Schweiz. Bot. Gesell. Ber. 52: 423-440. Nov. 1942. 451 Sch9

8582 HECHT, ADOLPH. Induced tetraploids of a self sterile Oenothera. Genetics 29: 69-74. Jan. 1944. 442.8 G28

8583 HOLTROP, H. E. Tricotyledony. Nature [London], 153: 13-14. Jan. 1, 1944. 472 N21

Previously thought to be a rare and somewhat trivial abnormality, now clearly shown as a heritable character. Experiments made chiefly with cabbage and cauliflower.

8584 JONES, K. L. Studies on Ambrosia: III. Pistillate Ambrosia elatior x A. trifida and its bearing on matroclinal sex inheritance. Bot. Gaz. 105: 226-232. Dec. 1943. 450 B652

8585 KLIGMAN, A. M. Some cultural and genetic problems in the cultivation of mushroom, Agaricus campestris Fr. Amer. Jour. Bot. 30: 745-763. Dec. 1943. 450 Am36

A. campestris var. bisporus, n. var. is designated to distinguish it from the wild four-spored A. campestris.

8586 MORGAN, W. P. Color inheritance in hybrid freesias. Ind. Acad. Sci. Proc. (1942) 52: 45-51. 1943. 500 In2

8587 \*\*NATH, B. Genetics of petal colour in Asiatic cottons. Indian Jour. Genet. and Plant Breeding 2: 43. 1942.

Abs. in Imp. Bur. Plant Breeding and Genet. Plant Breeding Abs. 13: 111. Apr. 1, 1943. 241 Im73

8588 SPENCER, W. P. Variation in petal number in the bloodroot, Sanguinaria canadensis. Amer. Nat. 78: 85-89. Jan./Feb. 1944. 470 Am36

8589 \*TURESSON, GÖTE, and NORDENSKIÖLD, HEDDA. Chromosome doubling and cross combinations in some cruciferous plants. Uppsala. Lantbrukshögsk. Ann. 11: 201-206. 1943. 104 Up6

#### PLANT PHYSIOLOGY AND BIOCHEMISTRY

##### Plant Physiology

8590 AHMAD, GHAS-UD-DIN. Interrelationship between the compensation point, temperature coefficient and growth of Azolla filiculoides. Indian Bot. Soc. Jour. 22: 101-104. July 1943. 450 J821

8591 BAILEY, L. F., and MCHARGUE, J. S. Enzyme activity in tomato fruits and leaves at different stages of development. Amer. Jour. Bot. 30: 763-766. Dec. 1943. 450 Am36

8592 BENNET-CLARK, T. A., and BEXON, D. Water relations of plant cells. III. The respiration of plasmolysed tissues. New Phytol. 42: 65-92. Nov. 1943. 450 N42

8593 BERNSTEIN, LEON. Hybrid vigor in corn and the mobilization of endosperm reserves. Amer. Jour. Bot. 30: 801-809. Dec. 1943. 450 Am36

8594 BONNER, JAMES. Effects of temperature on rubber accumulation by the guayule plant. Bot. Gaz. 105: 233-243. Dec. 1943. 450 B652

8595 \*\*BOUILLENNE-WALRAND, MARIE. Wirkung einer heteroauxinbehandlung der körner von Zea mais auf den ertreg an kolben. Soc. Roy. Sci. Liège Bul. 12: 161-175. Mar. 1943.

Abs. in Chem. Zentbl. 1943, II: 916. Sept. 8, 1943. 384 C42

8596 \*\*BOUILLENNE-WALRAND, MARIE. Wirkung von heteroauxin auf die atmung der keimpflanzen von Zea mais. Soc. Roy. Sci. Liège Bul. 12: 175-179. Mar. 1943.

Abs. in Chem. Zentbl. 1943, II: 916. Sept. 8, 1943. 384 C42

8597 BRAID, K. W., and CONWAY, ELSIE. Rate of growth of bracken. Nature [London] 152: 750-751. Dec. 25, 1943. 472 N21

8598 BROWN, R. Studies on germination and seedling growth. II. The effect of the environment during germination on the subsequent growth of the seedlings of barley. Ann. Bot. [London] (n.s.) 7: 275-296. July 1943. 450 An7

8599 \*BURSTRÖM, HANS. Photosynthesis and assimilation of nitrate by wheat leaves. Uppsala. Lantbrukshögsk. Ann. 11: 3-50. Ref., p. 47-50. 1943. 104 Up6

8600 CAMP, A. F. La podredumbre de las raicillas. Corporación Frutícola Argentina. Rev. Ofic. 9(98): 7-21. Feb. 1943. 83 C81

Report on his trip to Argentina to study root rot of Citrus.

8601 CAMP, A. F. Una visita al Brasil y a la Isla de Trinidad. Corporación Frutícola Argentina. Rev. Ofic. 9(100): 5-8. Apr. 1943. 83 C81

Study of Citrus root rot in Brazil.

8602 CARLTON, W. M. Histological and cytological responses of roots to growth-regulating substances. Bot. Gaz. 105: 268-281. Dec. 1943. 450 B652

Experiments with Allium cepa, Tulipa (vars. John Ruskin and Louis XIV) and Narcissus (var. Paper White).



- 8603 CASE, I. M. Periodicity in the development of fertile and sterile zones in *Lycopodium selago*. *New Phytol.* 42: 93-97. Nov. 1943. 450 N42
- 8604 CHANDLER, F. B. Nutrition of Brassica and potatoes. *Soil Sci.* 57: 67-73. Jan. 1944. 56.8 So3
- 8605 CHEN, H. K., and HSU, M. K. A thermolabile accessory growth-factor to *Rhizobium*. *Nature* [London] 153: 21. Jan. 1, 1944. 472 N21
- 8606 CHENEY, H. B. Current and residual effects of sulphate of ammonia on timothy and corn. *Ohio State Univ. Abs. Doctoral Diss.* No. 41, p. 11-22. 1943. 241.8 Oh3
- 8607 COLWELL, W. E., and CUMMINGS, R. W. Chemical and biological studies on aqueous solutions of boric acid and of calcium, sodium, and potassium meta-borates. *Soil Sci.* 57: 37-49. Jan. 1944. 56.8 So3
- Effect on plants.
- 8608 CREIGHTON, R. H. J., GIBBS, R. D., and HIBBERT, HAROLD. Studies on lignin and related compounds. LXXV. Alkaline nitrobenzine oxidation of plant materials and application to taxonomic classification. *Amer. Chem. Soc. Jour.* 66: 329-337. Jan. 1944. 381 Am33J
- 8609 CURTIS, L. C. Deleterious effects of guttated fluids on foliage. *Amer. Jour. Bot.* 30: 778-781. Nov. 1943. 450 Am36
- Possible influence of the guttated liquid upon the plant itself; also an attempt to produce a lettuce resistant to tip burn from these secretions.
- 8610 \*\*DASTUR, R. H., and SINGH, M. Studies in the periodic failures of the Punjab-American cottons in the Punjab. VII. Amelioration of tirak on soils with saline subsoils. *Indian Jour. Agr. Sci.* 12: 679. 1942.
- Abs. in *Empire Cotton Growing Rev.* 20: 118. Dec. 1943. 72.8 Em7
- 8611 FRAZIER, J. C. Nature and rate of development of root system of *Lepidium draba*. *Bot. Gaz.* 105: 244-250. Dec. 1943. 450 B652
- 8612 FRIES, NILS. Ueber die wirkung von heteroauxin auf das protenoma von *Funaria hygrometrica* (L.) Sibth. *Naturwissenschaften* 31: 439-440. Sept. 10, 1943. 474 N213
- 8613 FRIESNER, R. C. Some aspects of tree growth. *Ind. Acad. Sci. Proc.* (1942) 52: 36-44. 1943. Ref., p. 43-44. 500 In2
- 8614 \*GASSER, RUDOLPH. Zur kenntniss der aenderung der saugkraft bei grenzplasmolyse durch wasserunter und -überbilanz. *Schweiz. Bot. Gesell. Ber.* 52: 47-110. Nov. 1942. Ref., p. 107-110. 451 Sch9
- 8615 \*GAST, ALBERT. Ueber den einfluss der dauer der wuchsstoffeinwirkung auf das wurzelwachstum. *Schweiz. Bot. Gesell. Ber.* 52: 441-475. Nov. 1942. 451 Sch9
- 8616 GUARD, A. T. Development of the seed of the tulip tree. [Abs.] *Ind. Acad. Sci. Proc.* (1942) 52: 34. 1943. 500 In2
- 8617 HAMNER, C. L., SCHOMER, H. A., and GOODHUE, L. D. Aerosol, a new method of applying growth regulators to plants. *Science* 99: 85. Jan. 28, 1944. 470 Sci2
- Experiments with tomatoes.
- 8618 HAMNER, C. L., and MARTH, P. C. Effects of growth-regulating substances on propagation of goldenrod. *Bot. Gaz.* 105: 182-192. Dec. 1943. 450 B652
- 8619 HARTELIUS, VAGN. Hemmung der wirkung von B-Alanin auf die atmung der hefe durch B-amino-buttersäure. *Naturwissenschaften* 31: 440-441. Sept. 10, 1943. 474 N213
- 8620 HASSID, W. Z. The molecular constitution of starch and the mechanism of its formation. *Quart. Rev. Biol.* 18: 311-330. Dec. 1943. Ref., p. 327-330. 442.8 Q2
- 8621 HAYWARD, H. E., and SPURR, W. B. Effects of osmotic concentration of substrate on the entry of water into corn roots. *Bot. Gaz.* 105: 152-164. Dec. 1943. 450 B652
- 8622 HEATH, O. V. S. Studies in the physiology of the onion plant. I. An investigation of factors concerned in the flowering ('bolting') of onions grown from sets and its prevention. Part I. Production and storage of onion sets, and field results. *Ann. Appl. Biol.* 30: 208-220. Nov. 1943. 442.8 An72
- 8623 HILTON, R. J. Apple thinning with chemical sprays. *Canad. Hort. & Home Mag. Growers' Ed.* 67: 8-9. Jan. 1944. 80 C16
- 8624 HOWLETT, F. S. Increasing the fruitfulness of horticultural plants. *Chemurg. Digest* 2: 212-214. Dec. 30, 1943. 381 N213Na
- Results of experiments with growth regulating substances, largely in greenhouse tomato production.
- 8625 \*JACCARD, PAUL. Comment expliquer l'assimilation prématinale du carbone atmosphérique par les plantes vertes. *Schweiz. Bot. Gesell. Ber.* 52: 353-362. Nov. 1942. 451 Sch9
- 8626 \*JACCARD, PAUL. Fonction physiologique des éléments constitutifs du bois. *Jour. Forest. Suisse* 94: 183-187. Aug. 1943. 99.8 J82
- 8627 JONES, H. E., and SCARSETH, G. D. The calcium-boron balance in plants as related to boron needs. *Soil Sci.* 57: 15-24. Jan. 1944. 56.8 So3
- 8628 JONES, R. F. The effect of salts and other substances on the respiration of *Elodea canadensis* Michx. *New Phytol.* 42: 127-138. Nov. 1943. 450 N42
- 8629 KAUTSKY, HANS, and FRANCK, ULRICH. Chlorophyllfluoreszenz und kohlenstoffassimilation. (Cont.) *Biochem. Ztschr.* 315: 139-232. Sept. 4, 1943. 384 B522
- Experiments with *Ulva lactuca*.
- 8630 KING, L. J. Responses of *Elodea densa* to growth-regulating substances. *Bot. Gaz.* 105: 127-151. Dec. 1943. 450 B652
- 8631 \*\*LARSEN, POUL. Betrachtungen über polyloidie bei *Solanum*. 2. Trockensubstanzproduktion, photosynthese, atmung und blattflächeneentwicklung in einigen diploiden, autotetraploiden und amphidiploiden solanaceen. *K. Danske Vidensk. Selsk. Biol. Meddel. V.18, No. 2*, p. 3-52. 1943.
- Abs. in *Chem. Zentbl.* 1943, II: 915. Sept. 8, 1943. 384 C42
- 8632 LA RUE, C. D. Regeneration in *Radicula aquatica*. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 51-61. 1943. 500 M582
- 8633 LINK, G. K. K., and EGGERS, VIRGINIA. Enhanced auxinic activity of tomato tissues in presence of l-tryptophane. *Bot. Gaz.* 105: 282-284. Dec. 1943. 450 B652
- 8634 MADER, E. O. Effect of mineral nutrition on flower production of own-rooted roses and the incidence of black-spot. *Phytopathology* 33: 1185-1189. Dec. 1943. 464.8 P56
- 8635 MADER, E. O. Some factors inhibiting the fructification and production of the cultivated mushroom, *Agaricus campestris* L. *Phytopathology* 33: 1134-1145. Dec. 1943. 464.8 P56
- 8636 MARCZYNSKI, BR. RAPHAEL. Studies on the nutrition of *Collybia velutipes* (Curt.) Quel. [Abs.] *Ind. Acad. Sci. Proc.* (1942) 52: 35. 1943. 500 In2
- 8637 MULLISON, W. R. The effect of different sources of nitrogen on phosphorus deficiency in tomato plants. [Abs.] *Ind. Acad. Sci. Proc.* (1942) 52: 35. 1943. 500 In2



- 8638 \*MUSFELD, WILHELM. Versuche über die aufnahme von zucker durch hefezellen. Schweiz. Bot. Gesell. Ber. 52: 583-620. Nov. 1942. Ref., p. 618-620. 451 Sch9  
Experiments with *Saccharomyces cerevisiae*.
- 8639 NEILSON-JONES, W. Tree nutrition and soil fertility. Jour. Forestry 41: 886-888. Dec. 1943. 99.8 F768  
Studies on mycorrhizal response in pine made at Wareham Forest, England.
- 8640 NOECKER, N. L., and REED, M. J. Observations on the vitamin requirements of *Stereum frustulosum* (Pers.) Fr. [Abs.] Ind. Acad. Sci. Proc. (1942) 52: 35. 1943. 500 In2
- 8641 OREXEMANN, S. W. Studies on the effects of indolebutyric acid in nutrient solutions on the root morphology of the Biloxi soybean. Minn. Acad. Sci. Proc. (1942) 10: 13. [1943.] 500 M663
- 8642 OLMSTED, C. E. Growth and development in range grasses. III. Photoperiodic responses in the genus *Bouteloua*. Bot. Gaz. 105: 165-181. Dec. 1943. 450 B652
- 8643 PILAND, J. R., IRELAND, C. F., and REISENAUER, H. M. The importance of borax in legume seed production in the South. Soil Sci. 57: 75-84. Jan. 1944. 56.8 So3
- 8644 PIPER, C. S., and WALKLEY, ALLAN. Copper, zinc, and manganese in some plants of agricultural interest. Austral. Council Sci. and Indus. Res. Jour. 16: 217-234. Nov. 1943. Ref., p. 233-234. 514 Au72J
- 8645 POMERLEAU, RENÉ. Le dépérissement des bouleaux. Forêt Québécoise 7: 4. Jan. 1944. 99.8 F79
- 8646 PRICE, RUTH. Climatic effects on acorns of bur oak. Horticulture 22: 36. Jan. 15, 1944. 80 H787
- 8647 REEVE, ELDROW, and SHIVE, J. H. Potassium-boron and calcium-boron relationships in plant nutrition. Soil Sci. 57: 1-14. Jan. 1944. 56.8 So3  
Tomato used as indicator plant.
- 8648 RICEMAN, D. S., and ANDERSON, A. J. Copper and zinc deficiency in pasture and cereal crops in South Australia. So. Austral. Dept. Agr. Jour. 47: 16-29. Aug. 1943. 23 So84
- 8649 RICEMAN, D. S., and ANDERSON, A. J. The symptoms and effects of copper deficiency in cereals and pasture plants in South Australia. So. Austral. Dept. Agr. Jour. 47: 64-72. Sept. 1943. 23 So84
- 8650 RYAN, F. J., BRADLE, G. W., and TATUM, E. L. The tube method of measuring the growth rate of *Neurospora*. Amer. Jour. Bot. 30: 784-799. Dec. 1943. 450 Am36
- 8651 \*SCHÖCH-BODMER, HELEN. Pollenbeschaffenheit und fertilität bei *Lythrum salicaria* L. Schweiz. Bot. Gesell. Ber. 52: 317-352. Nov. 1942. Ref., p. 350-351. 451 Sch9
- 8652 SCOTT, L. E. Boron nutrition of the grape. Soil Sci. 57: 55-65. Jan. 1944. 56.8 So3
- 8653 SHEAR, C. B., and CRANE, H. L. Germination of the nuts of the tung tree as affected by penetrants, substrata, depth of planting and storage conditions. Bot. Gaz. 105: 251-256. Dec. 1943. 450 B652
- 8654 SNOW, A. G., JR., DORMAN, K. W., and SCHOPMEYER, C. S. Developmental stages of female strobili in slash pine. Jour. Forestry 41: 922-923. Dec. 1943. 99.8 F768  
Observations on *Pinus caribaea* made while breeding high-gum-yielding trees.
- 8655 \*SPEICH, HANS. Ueber die optik der kartoffelstärkekörner. Schweiz. Bot. Gesell. Ber. 52: 175-214. Nov. 1942. Ref., p. 213-214. 451 Sch9
- 8656 STEVENS, O. A. Some 30-year tests on germination of alfalfa and clover seed. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(2): 8-9. Nov. 1943. 100 N813B
- 8657 STEWARD, F. C., and others. The absorption and accumulation of solutes by living plant cells. X. Pts. 1-4. Time and temperature effects on salt uptake by potato discs and the influence of the storage conditions of the tubers on metabolism and other properties. Ann. Bot. [London] (n. s.) 7: 221-260. July 1943. 450 An7  
W. E. Berry, joint author Pt. 1 and 2; C. Preston and T. K. Ramamurti, joint authors Pt. 4.
- 8658 \*TISCHENDORF, W. Über gesetzmässigkeit und ursache der exzentrizität von baunquerschnitten. Zentbl. f. das Gesam. Forstw. 69: 33-54. Feb. 1943.
- 8659 \*UTIGER, HEINRICH. Neue untersuchungen über die bedingungen der künstlichen symbiose *Mucor ramannianus*-*Rhodotorula rubra*. Schweiz. Bot. Gesell. Ber. 52: 537-582. Nov. 1942. Ref., p. 581-582. 451 Sch9
- 8660 VAN DERLINDEN, LEE. Plant vitamins. New Agr. 26(4): 18. Jan. 1944. 66.8 Su32
- 8661 WALKER, J. C. Histologic-pathologic effects of boron deficiency. Soil Sci. 57: 51-54. Jan. 1944. 56.8 So3  
Experiments with garden beet and cabbage.
- 8662 WALLACE, A. M. Relation between rate of absorption of water and stage of development of sunflower plants. Ohio State Univ. Abs. Doctoral Diss. No. 41, p. 199-203. 1943. 241.8 Oh3
- 8663 \*WEBER, ERNST. Ueber die optik und die struktur der pflanzenwachse. Schweiz. Bot. Gesell. Ber. 52: 111-174. Nov. 1942. Ref., p. 171-174. 451 Sch9
- 8664 WHITE, N. H. Physiological studies on the fungus *Ophiobolus graminis* Sacc. 2. Carbon and nitrogen requirements. Austral. Council Sci. and Indus. Res. Jour. 16: 234-244. Nov. 1943. 514 Au72J
- 8665 WOODCOCK, E. F. Seed development in the morning-glory (*Ipomoea rubro-caerulea* Hook.). Mich. Acad. Sci., Arts, and Letters Papers (1942) 28: 209-212. 1943. 500 M582
- 8666 \*WÜRGLER, WERNER. Ueber das wachstum der wurzeln von *Zea mays* in organkultur und seine beeinflussung durch wirkstoffe. Schweiz. Bot. Gesell. Ber. 52: 239-272. Nov. 1942. Ref., p. 269-272. 451 Sch9
- 8667 WYND, F. L. A possible function of vitamin K in plants. Amer. Nat. 78: 59-67. Jan./Feb. 1944. 470 Am36
- 8668 ZSCHEILE, F. P., and HARRIS, D. G. Studies on the fluorescence of chlorophyll. The effects of concentration, temperature, and solvent. Jour. Phys. Chem. 47: 623-637. Dec. 1943. 381 J822

#### Biochemistry

- 8669 BERGEL, F., and others. An antibacterial substance from *Aspergillus clavatus* and *Penicillium claviforme* and its probable identity with patulin. Nature [London] 152: 750. Dec. 25, 1943. 472 N21  
A. L. Morrison, A. R. Moss, R. Klein, H. Rinderknecht, and J. L. Ward, joint authors.
- 8670 HAMNER, K. C., STEWART, W. S., and MATRONE, G. Thiamine determination by the fungus-growth method and its comparison with other methods. Food Res. 8: 444-452. Nov./Dec. 1943. 389.8 F7322  
Determination of thiamine in plant materials by measuring the growth of the fungus, *Phycomyces blakesleeana*, on extracts of these materials.



8671 KUHN, RICHARD, and others. Ueber die chemische natur der blastokline und ihre einwirkung auf keimende samen, pollenkörner, hefen, bakterien, epithelgewebe und fibroblasten. *Naturwissenschaften* 31: 468. Sept. 24, 1943. 474.N213

Dietrich Jerchel, Franz Moewus, and E. F. Möller, joint authors.

8672 MCILROY, R. J., and BARTRUM, M. P. The influence of winter management on chemical composition of herbage from dairy pastures. Part II. *New Zeal. Jour. Sci. and Technol.* 23: 201A-205A. Dec. 1941. 514 N48

8673 MCILROY, R. J. A new water-soluble polysaccharide from perennial rye grass pasture. *Nature* [London] 152: 724. Dec. 18, 1943. 472 N21

8674 MCVEIGH, ILDA. Vitamins and vegetables. *N. Y. Bot. Gard. Jour.* 44: 279-284. Dec. 1943. 451 N48J

8675 MILLER, L. P. High yields of  $\beta$ -2-trichloroethyl-D-glucoside and  $\beta$ -2-trichloroethylgentiobioside from tobacco plants treated with chloral hydrate. *Boyce Thompson Inst. Contrib.* 13: 185-200. Oct./Dec. 1943. 451 B69

8676 PHILPOT, F. J. A penicillin-like substance from *Aspergillus giganteus* Wehm. *Nature* [London] 152: 725. Dec. 18, 1943. 472 N21

8677 RABAK, FRANK. The effect of seeds on the quality of hops. *Wallerstein Labs. Commun.* 6: 160-166. Dec. 1943. 390.9 W15

Analysis showed definite relationship between seed content and quality based on resin.

8678 \*SAVERBORN, SIGURD, and DANIELSSON, K. E. On a globulin occurring in the horse-chestnut. *Svensk Kem. Tidskr.* 55: 155-159. June 1943. 385 Sv22

The name hippocastanin is proposed.

#### SILVICULTURE

8679 BLOCH, HANS. Reforestacion y viveros forestales. *Vida Rural* 5(51): 30-32. Oct. 1943. 9.4 V66

8680 HARRINGTON, LYN. The neighbors are no longer skeptical. *St. Williams Forestry Station* [Ontario] has proved that what was once considered waste land can grow valuable crops of timber. *Farmer's Mag.* 41(1): 11, 43, 46. Jan. 1944. 7 C165

8681 MEZZOTTONI, CARLOS. Derivaciones de los estudios de aprovechamiento y arborización de los Bañados de Carrasco. *Envases agrícolas e industriales. Cestería y cajonería.* [Montevideo] Univ. Facult. de Agron. Rev., No. 31, p. 55-109. Feb. 1943. 102.5 M76R

Deals with the improvement and reforestation of an area in Uruguay, the culture of willows and their utilization in the basket-making industry, and with the utilization of various woods in the box and barrel industry.

8682 PARKER, S. E. State forest nursery [of Connecticut]. *Wooden Nutmeg* 19(10): 15. Dec. 1943. 99.8 W862

8683 RABASA, S. I. Cultivo del eucalipto. Su importancia en la explotación rural. *Asoc. Argentina Criadores de Cerdos. Rev.* 22(254): 23, 25-29. Oct. 1943. 46.9 As5

8684 \*SEDAŠEV, N. P. Opyt privivok probkovago duba [Experiment in grafting cork oak]. *Soviet Subtrop.* [Moscow, 1939, No. 2-3 (whole No. 54-55), p. 53-54. Feb./Mar. 1939. 20 Sul2

Account of the 1934 grafting work performed by the forestry department of Sochi.

8685 SILVEIRA, L. V. DE. A silvicultura no Rio Grande do Sul. (To be cont.) *Rev. Agron.* [Rio Grande do Sul] 7:346-348, 362-366. June-July 1943. 9.2 R325

8686 STOUTMYER, V. T., O'ROURKE, F. L., and STEINER, W. W. Some observations on the vegetative propagation of honey locust. *Jour. Forestry* 42: 32-36. Jan. 1944. 99.8 F768

8687 WAKELEY, P. C. Geographic source of loblolly pine seed. *Jour. Forestry* 42: 23-32. Jan. 1944. 99.8 F768

#### FIELD CROPS

Includes articles on general agronomy, and on crop varieties, breeding, cultural practices, and yield.

#### General

8688 DOANE, D. H. Growing agricultural crops for industrial specifications. *Chemurg. Digest* 3: 21-23. Jan. 15, 1944. 381 N213Na

8689 DRUMMOND, C. A. A semente também é importante. *Ceres* 4: 381-384. July/Aug. 1943. 9.2 C332

8690 HUTCHESON, T. B. Let's sow oats and lespezea soon! *Prog. Farmer, Car.-Val. Ed.* 59(2): 13. Feb. 1944. 6 P945

8691 MONTEIRO, TRAJANO. Sistemas rotineiros. *Rev. do Algodão* 13(87): 13-14. Oct. 1943. 72.8 R32

8692 MUNN, M. T. Some seed lessons learned during the past year. *Farm Res.* [N. Y. State Sta.] 10(1): 10. Jan. 1944. 100 N48A

8693 OLDERSHAW, A. W. Spring corn on broken grass. *Farmer & Stock-Breeder* 57: 1917. Dec. 7, 1943. 10 F226

Oats, peas, and beans suggested as crops after grass.

8694 TRUMBLE, H. C. Agronomy. *Austral. Inst. Agr. Sci. Jour.* 9: 167-173. Dec. 1943. 23 Au74

The nature of agronomy and the field it covers.

#### Cereals

8695 ARMSTRONG, S. F. Spring wheats: which and when. *Farmer & Stock-Breeder* 57: 1997. Dec. 21, 1943. 10 F228

8696 BENTANCUR, M. O. Normas observadas en el cruzamiento y selección del trigo. *Agros* [Montevideo], No. 133, p. 149-158. July 1943. 9.9 Ag82

8697 BRANDÃO, S. S. Cultura do arroz. *Ceres* 4: 427-445. July/Aug. 1943. 9.2 C332

8698 CAFFREY, M. Wheat growing. *Irish Agr. and Creamery Rev.* 12(120): 9-11. Dec. 1943. 44.8 C866

8699 CARTER, L. C. Rice breeding program in Arkansas. *Rice Jour.* 46(12): 5-6, 16. Dec. 1943. 59.3 R36

8700 CHITTY, G. P., and SYNINGTON, J. S. Wheat variety trials, 1942-43. *Kirton Agr. Jour.*, No. 9, p. 29, 31. Dec. 1943. 10 K63

8701 COOK, L. J., and BILLINGHURST, S. C. Minnipa Seed Wheat Farm harvest report 1942-43. *So. Austral. Dept. Agr. Jour.* 47: 73-74. Sept. 1943. 23 So84

8702 COPPER, R. R. Hybrid corn for Pennsylvania. *Pa. Farmer* 130: 39. Jan. 22, 1944. 6 P383

8703 CUNNINGHAM, J. C. Corn and the continent. *Frontiers* 8: 77-79. Feb. 1944. 410 F92

History of maize in the Western Hemisphere.

8704 DU TOIT, J. J. Use better maize seed. *Farming in So. Africa* 18: 731-732, 742. Oct. 1943. 24 So842

8705 DYKE, G. A. New oats for the Dakotas. *Dakota Farmer* 64(1): 8. Jan. 8, 1944. 6 D14

8706 FINE, MARJORIE. Modern oats breeding. *Cornell Countryman* 16(3): 7. Jan. 1944. 6 C81

Work of George M. Reed, Brooklyn Botanic Garden.

8707 GRAHAM, L. S., and WACKERBARTH, MARJORIE. The story of broomcorn. *Frontiers* 8: 75-77. Feb. 1944. 410 F92



8708 HARPER, R. M. Making hybrid corn a sturdy Texas citizen. *Tex. Livestock Jour.* 3(1): 10-11. Jan. 15, 1944. 49 T29

8709 HUNTER, H. The improvement of malting barleys, in retrospect and prospect. *Inst. Brewing Jour.* 49: 296-302. Nov./Dec. 1943. 390.9 In7

8710 JACKSON, A. D. Hegari [sorghum] improvement at Chillicothe. *Tex. Livestock Jour.* 3(1): 59. Jan. 15, 1944. 49 T29

8711 JONES, D. L. Texans worth knowing: Plainsmen, Caprock. *South. Seedsman* 7(1): 13, 44. Jan. 1944. 61.8 So8

Two combine-type grain sorghums.

8712 LITZENBERGER, S. C. This year try these two new barleys [Compana and Glacier]. *Mont. Farmer* 31(10): 1, 5. Jan. 15, 1944. 6 M764

8713 MCMUNN, E. W. Big ears or big yields? Some ways and means of increasing production [of corn] with same labor and acres. *Ohio Farmer* 193 (2): 5. Jan. 15, 1944. 6 Oh3

8714 MARTINEZ, MAXIMIMO. Maiz (Zea mays L.). *Coop. Agr.* 3(29): 11-12; (30): 9-15. Feb., Mar. 1942. 8 H752

8715 MILES, L. G. Breeding grain sorghums for Queensland. *Queensland Agr. Jour.* 57: 261-265. Nov. 1, 1943. 23 Q33

8716 MODRA, A. R. Barley for the Murray Mallee Districts. *So. Austral. Dept. Agr. Jour.* 47: 46-47. Aug. 1943. 23 So84

8717 NORMAN, I. S. Rye growing. *So. Austral. Dept. Agr. Jour.* 47: 43-45. Aug. 1943. 23 So84

8718 PEREZ VILLALBA, OSCAR. El cultivo del arroz en Cuba. *Agronomía [Habana]* 3: 191-194, 209, 212-215. Nov., Dec. 1943. 8 C893

8719 RATHER, HOWARD. Seed oats and barley. *Mich. Farmer* 203: 34, 39. Jan. 15, 1944. 6 M58

8720 \*ROSSGER, W. Beitrag zur technik der weizenkreuzung. *Forschungsdienst* 14: 330-334. 1942. 241 D48F

8721 ROGERS, J. S. Hybrid corn for Texas. *Tex. Livestock Jour.* 2(12): 10-11, 34. Dec. 15, 1943. 49 T29

8722 SCHOFFELMAYER, VICTOR. One head - in - a - million. *Tex. Prog.* 2(12): 9. Dec. 1943. 280.8 T313

Martin's combine milo, a new type of disease-resistant grain sorghum.

8723 STEVENSON, G. C. Plan pour l'amélioration du maïs par sélection. *Rev. Agr. de l'île Maurice* 22: 185-186. July/Aug. 1943. 24 M44

8724 STOA, T. E. Seed of new rust resistant durums available. *N. Dak. Agr. Expt. Sta. Bimo. Bul.* 6(2): 5-6. Nov. 1943. 100 N813B

Carleton and Stewart, new durum wheat varieties.

8725 STRONG, W. J. Hybrid corn breeding. *Canad. Hort. & Home Mag. Growers' Ed.* 67: 5-7. Jan. 1944. 80 C16

#### Fiber Crops

8726 COOK, L. J. Field trials with flax. *So. Austral. Dept. Agr. Jour.* 47: 75-80. Sept. 1943. 23 So84

8727 EDWARDS, H. T. Abacá - a new crop for Latin America. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 8-12. Jan. 1944. 1 F752A

Experiments show that abaca fiber grown in the Western Hemisphere is equal in quality to that of the Philippines, heretofore the only source.

8728 GROSZMAN, AMERICO. Como não fracassar na cultura do algodoeiro. *Ceres* 4: 385-388. July/Aug. 1943. 9.2 C332

8729 HUTCHINSON, J. B. Notes on the native cottons of Trinidad. *Trop. Agr. [Trinidad]* 20: 235-238. Dec. 1943. 26 T754

8730 \*\*IYENGAR, R. L. N. Variations in the measurable characters of cotton fibers. IV. Variations with the age of the plant. *Indian Jour. Agr. Sci.* 12: 627. 1942.

Abs. in *Empire Cotton Growing Rev.* 20: 127. Dec. 1943. 72.8 Em7

8731 \*KUHNERT. Wie erzielen wir reiche flachsernten! *Landesbauernschaft Sachsen. Wchnbl.* 61: 228. Apr. 2, 1943. 18 Sal

Reprinted in *Landesbauernschaft Sachsen. Wchnbl.* 91: 172. Apr. 3, 1943. 18 Sal

Reprinted in *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 205. Apr. 3, 1943. 18 Sa9

8732 \*\*NAYAK, H. R. Studies on the quality of Jayawant cotton grown from seeds obtained from different stages of propagation. *Indian Jour. Agr. Sci.* 12: 865. 1942.

Abs. in *Empire Cotton Growing Rev.* 20: 79. Dec. 1943. 72.8 Em7

8733 PEREZ, E. C. El cultivo de la rosella y la preparación de su fibra. *Sisal de Yucatán* 4(47): 3, 6-7. Nov. 30, 1944. 73.8 Si83

8734 WARD, A. L. Some important suggestions to insure increased cotton production. *Cotton and Cotton Oil Press* 45(2): 12. Jan. 15, 1944. 304.8 C822

8735 WELLS, W. G. Thinning and early cultivation of cotton. *Queensland Agr. Jour.* 57: 266-269. Nov. 1, 1943. 23 Q33

#### Forage Crops and Grasses

8736 \*ALBRECHT, HANS. Wie lässt sich kraftfutter von den wiesen und weiden gewinnen? *Mitt. f. die Landw.* 58: 527-528. July 3, 1943. 18 D48M

8737 \*BLEY. Der anbau von futterpflanzen bei mangel an klee Samen und die sicherstellung der sautgutgewinnung aus eigener scholle. *Weidewirtschaft u. Futterbau (Beilage zur Deut. Landw. Tierzucht)* 17: 21-22. Dec. 12, 1942.

8738 BRIGGS, GLENN. Sericea [Chinese lespedeza], is proving its value. *Farm and Ranch* 63(2): 16-17. Feb. 1944. 6 F31

8739 COOK, L. J., and OCHARD, E. L. Lucerne in the mid-north of South Australia. *So. Austral. Dept. Agr. Jour.* 47: 110-114. Oct. 1943. 23 So84

8740 COSTELLO, D. F. Know your range grasses and plants. True mountainmahogany (*Cercocarpus montanus*). *Westerner* 6(11): 26, 31. Dec. 1943. 49 W522

8741 EDWARDS, D. C. The Nzola type of Rhodes grass (*Chloris gayana*) for temporary leys. *East African Agr. Jour.* 9: 62-68. Oct. 1943. 24 Ea74

8742 ESCOBAR, ABELARDO. La remolacha forrajera. *Agr. Mex.* 59(10): 33-40. Oct. 1943. 8 Ag8

8743 \*FOLDAGER, JENS. Lucernefröproblemet. *Ugeskr. for Landmaend* 88: 453. June 18, 1943. 11 Ug3

Deals with the shortage of alfalfa seed and the need for varieties able to withstand the cold.

8744 GONZÁLEZ, A. DE J. La yerba de Para o Paraná. *Vaqueros* 3(11/12): 11-12. Nov./Dec. 1943. 43.8 V41

8745 HALL, T. E. Ladino [clover] co-op helps "spread pastures." *U. S. Farm Credit Admin. News for Farmer Coop.* 10(9): 8. Dec. 1943. 166.2 N47

Work of the Josephine Growers Cooperative Association, of Grants Pass, Oreg.

8746 \*HEY, ALFRED. Anbautechnische massnahmen als pflanzenschutzmittel im feldanbau der kleeartigen pflanzen. *Forschungsdienst* 14: 304-329. 1942. Ref. 241 D48F

8747 LAVIN, FRED. Some facts on reseeding southwestern ranges with blue grama grass. *Cattleman* 30(8): 54, 56-57. Jan. 1944. 49 C29



- 8748 LIEBENBERG, L. C. C. Production of pasture crop seed. Farming in So. Africa 18: 775-776. Nov. 1943. 24 So842
- 8749 \*LOPTEVA, A. A. Rezultaty trekhletnego sortoispytaniya liutserny sraznitel'no s krasnym klevrom v usloviakh Vologdy 1938-1940 g.g. [Comparison of alfalfa and red clover at Vologda 1938-1940]. Vologda Agr. Inst. Proc. (1942)5: 213-237. 106 V882
- 8750 \*NICOLAISEN, W. Reine luzerne und luzerne. rotklee-gemenge. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 207. Apr. 3, 1943. 18 Sa9
- Reprinted in Landesbauernschaft Sachsen. Wchnbl. 91: 173. Apr. 3, 1943. 18 Sa1
- 8751 RAGONESE, A. E., and MARCO, P. R. Factores que afectan la producción de semilla de alfalfa. Campo [Buenos Aires, 27(324): 30-31, 53. Oct. 1943. 9 Cl5
- 8752 REVEILLEAU, ALCENO, and COSTA, E. D. Ensaio sobre a composição florística e o rendimento das pastagens de capins gordura (Melinis minutiflora) e Jaraguá (Hyparrhenia rufa). Soc. Bras. de Agron. Bol. 6: 143-158. June 1943. 9.2 Sol3
- Comparison of yield of molasses grass and jaraguá and list of plants occurring with them.
- 8753 \*SACHS, E. Ergebnisse eines klee-grasversuches mit hohen anteilen gras und geringen anteilen klee. Deut. Landw. Presse 70: 113, 114. Mar. 27, 1943. 18 D482
- 8754 SLADER, W. B. Lucerne for more milk; cheaper to grow than roots. Dairy Farmer [London, 17(2): 15. Jan. 1944. 44.8 D1414
- 8755 STATEN, H. W. Lespedeza juncea, a Jap error. South. Seedsman 7(1): 9. Jan. 1944. 61.8 So8
- This new perennial, sent by accident from Japan in 1941, is showing promise of outdoing L. sericea at Oklahoma Agricultural Experiment Station.
- 8756 VAN ALSTINE, E. More legumes and better timothy. [N. Y.] Essex Co. Farm & Home Bur. News 26(12): 9. Dec. 1943. 275.293 New York, Essex Co.
- 8757 WOODHEAD, H. K. One year leys. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 408-411. Dec. 1943. 10 G79J

#### Oil Crops

- 8758 G., C. Cultura do amendoim. (To be cont.) Chacaras e Quintais 34: 491. Oct. 1943. 9.2 C34
- 8759 GOBBATO, CELESTE. Cultivo do tungue. Vida Rural e Econ. 5(8): 31. Aug. 31, 1943. 9.2 V662

#### Sugar Crops

- 8760 NORTH-COOMBES, FRANCIS. L'agriculture de la canne à Maurice. Rev. Agr. de l'île Maurice 22: 140-160. July/Aug. 1943. 24 M44
- 8761 SKUDERNA, A. W. The sugar beet crop in the war and post-war periods. Sugar Beet Jour., Jan. 1944, p. 50-52. 66.8 Su38

#### Tobacco

- 8762 BEKKER, P. M., and KOCH, PIETER. Growing tobacco for dipping purposes: with special reference to the resistant blue tick. Farming in So. Africa 18: 755-758. Oct. 1943. 24 So842
- Boophilus annulatus decoloratus.
- 8763 BROWN, D. D. The culture of Turkish tobacco in Southern Rhodesia. Rhodesia Agr. Jour. 40: 319-341. Sept./Oct. 1943. 24 R34
- Reprinted as Rhodesia, South. Dept. Agr. and Lands Bul. 1240, 24 p. Salisbury, [1943]. 24 R345
- 8764 BUNKER, F. H. Suggestions for the better tobacco, seed beds on Puerto Rican plantations. Old and new methods of production contrasted. Tobacco [New York, 117(27): 11-13. Dec. 30, 1943. 286.89 T552

- 8765 PIEDRA, J. L. Origin of tobacco. Favored tropic isle [Cuba] is the home of the weed. Tobacco [New York] 117(27): 27. Dec. 30, 1943. 286.89 T552

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

- 8766 AROEIRA, J. S. Formação de mudas de plantas frutíferas. Ceres 4: 352-358. July/Aug. 1943. 9.2 C332
- 8767 BENTLEY, G. M. List of certified Tennessee nurseries, collectors of native shrubs, greenhouses, strawberry plant growers and bulb growers, 1943-1944. Tenn. Dept. Agr. Div. of Insect and Plant Dis. Control. Bul. 91, v. 26, No. 1, 20 p., processed. Knoxville, 1944? 423 T25
- 8768 BLANC, M. L. Weather Bureau helps fruit trade. U. S. Dept. Com. Dom. Com. 32(1): 7, 28. Jan. 1944. 157.54 D713
- Horticultural Protection Service in citrus and truck-producing regions.
- 8769 CHABOT, ERNEST. Greenhouse plants need extra care now. Home Gard. [N. Y.] 3(1): 31-33. Jan. 1944. 80 H756
- 8770 CORRÊA, G. Departamento de horticultura [Escola Superior de Agricultura do Estado de Minas Gerais,]. Ceres 4: 346-351. July/Aug. 1943. 9.2 C332
- 8771 CORRÊA, G. Marcação, abertura e preparo de covas para o plantio de árvores frutíferas. Ceres 4: 359-366. July/Aug. 1943. 9.2 C332
- 8772 DORAN, W. L. How to make dormant cuttings. Shrubs and small fruits may be propagated from cuttings made during the winter months. Flower Grower 31: 18-19, 49. Jan. 1944. 80 M72
- 8773 FOX, H. M. A small cool greenhouse. Natl. Hort. Mag. 23: 55-57. Jan. 1944. 80 N216
- 8774 GIBSON, E. P. Crop specialties for 1944. Stock & Dairy Farmer 33(5): 4, 15. Jan. 1944. 6 N8195
- Vegetables and raspberries.
- 8775 GUNSTON, DAVID. How your seeds are produced. Gard. Illus. 64: 247-248. Jan. 1944. 80 G169
- 8776 HATTON, R. G. Fruit planting policy with special reference to quality of material. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 90-93. Aug. 1943. 103 Ea7
- 8777 HATTON, R. G., and ROGERS, W. S. General review of research work. I. Pomology. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 14-19. Ref., p. 17-19. Aug. 1943. 103 Ea7
- 8778 HEDRICK, U. P. Twenty-five years of fruit testing. Flower Grower 31: 44-45. Jan. 1944. 80 M72
- Celebration of 25th anniversary of New York Fruit Testing Association.
- 8779 HEUCHLING, F. G. Organizing a local Victory garden campaign for this year. Home Gard. [N. Y.] 3(1): 39-43. Jan. 1944. 80 H756
- 8780 HILL, M. H. A greenhouse for two. Flower Grower 31: 25-26. Jan. 1944. 80 M72
- 8781 HULL, E. S. Program helps for the new garden club. Home Gard. [N. Y.] 3(1): 23-24. Jan. 1944. 80 H756
- 8782 PEScott, E. E. When to prune our trees? Stock and Land 33(45): 2. Nov. 10, 1943. 49 S563



8783 PORTER, R. H. Seed testing research pays out at reference laboratory. Seed World 55(1): 10-11, 32-33. Jan. 7, 1944. 61.8 Se52  
American Seed Trade Association cooperation at Iowa State College.

8784 SECKMAN, M. C. What we got out of our Victory garden. Home Gard. [N. Y.] 3(1): 80-81. Jan. 1944. 80 H756

8785 STOUTEMYER, V. T., CLOSE, A. W., and REID, F. R. Sphagnum moss as a medium for growing plants. Natl. Hort. Mag. 23: 32-38. Jan. 1944. 80 N216

8786 TAYLOR, G. C. Pruning fruit trees and bushes. Country Life [London] 94: 954-955. Nov. 26, 1943. 80 C83

8787 WEDGEWOOD, FREDERICK. Help yourself to some fruit. Country Gent. 114(2): 24, 99-100. Feb. 1944. 6 C833

Fruit farming by T. N. Jordan, Champaign, Ill.

#### Citrus and Subtropical Fruits

8788 KENNERLY, A. B. Will the fig industry come back in Texas. Farm and Ranch 63(1): 6. Jan. 1944. 6 F31

8789 PREST, R. L. The avocado. Queensland Agr. Jour. 57: 270-281. Nov. 1, 1943. 23 Q33

8790 RICHARDS, A. V. Studies in propagation of sapodilla. Trop. Agr. [Ceylon] 99: 78-85. Apr./June 1943. 26 T751

8791 SMOYER, K. M. To prune or not prune citrus trees. Up to grower to decide for himself. Calif. Citrog. 29: 79. Jan. 1944. 80 C125

8792 TONG, F. M. The litchies. Hawaii Farm and Home 7(1): 16. Jan. 1944. 25 H3191

#### Deciduous Fruits

8793 BASCIALLI, P. C. El empleo de explosivos en la plantación de frutales. Campo [Buenos Aires] 27(324): 14, 16-17, 62. Oct. 1943. 9 C15

8794 BEAR, E. M. Fruit story of 1943. Fruit-Grower, Fruiterer, Florist & Market Gard. 96: 489-490, 493. Dec. 30, 1943. 80 F941

8795 BISHOP, W. J. Cherry culture in the Adelaide Hills. So. Austral. Dept. Agr. Jour. 47: 58-63. Sept. 1943. 23 So84

8796 BORG, R. M. Rodent control in orchard and storage. (Cont.) Amer. Fruit Grower 63(9): 7, 9, 10, 11: (10): 11, 16, 20, 21: (11): 9-10; (12): 14, 18; 64(2): 18, 34. Sept.-Dec. 1943, Feb. 1944. 80 G85

Mice (meadow and pine), rats, rabbits, and hares.

8797 BREGGER, J. T. Planting and cultivation. Developments recently made in south[ern] peach orchards. East. Fruit Grower 6(11): 6, 19, 21. Jan. 1944. 80 Ea73

8798 BREGGER, J. T. Recent developments in planting, cultivation, and cover crop practices in southern peach orchards. Ill. State Hort. Soc. Ill. Hort. 33(1): 5-7. Jan. 1944. 80 Il66

8799 BURKHOLDER, C. L. Virginia crab for apple understocks. Hoosier Hort. 26: 10-12. Jan. 1944. 81 In2H

8800 COE, F. M. Utah fruit growers look ahead to 1944. Utah Farmer 63(10): 10, 15. Jan. 10, 1944. 6 D45

8801 CONNORS, C. H. How to prune apples and pears. Home Gard. [N. Y.] 3(1): 13-16. Jan. 1944. 80 H756

8802 CROCE, F. M. Poda del cerezo. Pampa Argentina 17(195): 7. Nov. 1943. 9 P19

8803 CROCE, F. M. Ruptura de ramas de árboles frutales. Agrario [Santiago, Chile] 8: 12. Oct. 30, 1943. 9.3 Ag85

8804 FERGUSON, D. B. Apple varieties shift in importance. [N. Y.] Rensselaer County Farm Bur. News 20(10): 3. Jan. 1944. 275.293 N. Y., Rensselaer Co.

8805 GARNER, R. J. Raising rootstocks. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 84-90. Aug. 1943. 103 Ea7

8806 GORHAM, R. P. The history of plum culture in New Brunswick. Acadian Nat. 1: 59-69. Nov. 1943. 470 N42A

8807 HOBLYN, T. N. The production of fruit from four experimental apple plantations at East Malling, 1920-42. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 96-102. Aug. 1943. 103 Ea7

8808 JOHNSON, STANLEY. Peach orchard practices. Timely operation under war-time shortages and restrictions. East. Fruit Grower 6(11): 5, 8, 12-13, 18, 20. Jan. 1944. 80 Ea73

8809 \*LANGE, E. G. Der bewurzelungsverlauf der apfelunterlagen EM I-XVIII unter dem einfluss von bodenfeuchtigkeit und bodentemperatur. Forschungs-dienst 14: 334-338. 1942. 241 D48F

8810 SCHROEDER, C. A. Preharvest drop of persimmons. Calif. Cult. 91: 36-37. Jan. 22, 1944. 6 C12

8811 SLATE, G. L. Improved bush cherries [Prunus besseyi]. Flower Grower 31: 100-101. Feb. 1944. 80 M72

8812 STARK, A. Plant your new orchard for profit. Utah Farmer 63(10): 8, 17. Jan. 10, 1944. 6 D45

8813 SUDDS, R. H. Pruning [of apple trees] in wartime. Mountaineer Grower 15(150): 9, 11. Jan. 1944. 80 M86

8814 TUKEY, H. B. Whence came the Malling apple rootstocks and what are they? Farm Res. [N. Y. State Sta.] 10(1): 8-9. Jan. 1944. 100 N48A

Many of these "new" stocks have been known for years, but recently they have been separated out into something like "varieties."

8815 VAN DOREN, A. Pruning the bearing apple orchard. [N. Y.] Albany Co. Farm Bur. News 28(12): 5. Dec. 1943. 275.293 N. Y., Albany Co.

8816 VIVYAN, M. C. The propagation of fruit tree stocks by stem cuttings. III. Further observations on hardwood cuttings. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 40-47. Aug. 1943. 103 Ea7

8817 WOODWARD, H. R. The Hurley fruit farm, a matter of historical significance. (Concl.) N. and S. Dak. Hort. 17: 4, 12. Jan. 1944. 81 N817

Experimental project, chiefly with apples.

8818 WYMAN, DONALD. Some comparatively recent crab apple introductions. Natl. Hort. Mag. 23: 40-43. Jan. 1944. 80 N216

#### Nuts

8819 MCWHORTER, O. T. Avoid errors in filbert planting. Oreg. Farmer 67: 11. Jan. 6, 1944. 5 Or32

8820 WAHLBERG, H. E. Thin out old walnut orchards to increase production. Diamond Walnut News 26(1): 4-5. Jan. 1944. 94.68 D34

8821 WOODS, J. J. Walnut tree growing in British Columbia. Country Life [Brit. Columbia] 28(1): 19, 31. Jan. 1944. 7 C832

#### Ornamental Plants

8822 AGEE, A. M. Cactus thrives on cultivation House and Gard. [Greenwich, Conn.] 85(2): 52, 92. Feb. 1944. 80 H81

8823 ALLEN, R. C. Duration perennials. Home Gard. [N. Y.] 3(1): 20-22. Jan. 1944. 80 H756

8824 BAKER, C. W. Grasses and care for southern lawns. Home Gard. [N. Y.] 3(1): 66-67. Jan. 1944. 80 H756

8825 BALL, G. J. Select new annual flowers. Flower Grower 31: 15-16, 52. Jan. 1944. 80 M72



- 8826 BALTHIS, F. K. Growing tropical fruits in the home. *Flower Grower* 31: 17, 26. Jan. 1944. 80 M72
- 8827 BARNES, P. M. Flaming *Ixora* [I. coccinea]. *Flower Grower* 31: 38. Jan. 1944. 80 M72
- 8828 BECKETT, EDWIN. Random shots. The shadows [serviceberries]. *Gard. Chron. Amer.* 48: 5. Jan. 1944. 80 G1632
- 8829 BIDDLE, DOROTHY, and BLOM, DOROTHEA. Arranging the new roses. *Flower Grower* 31: 98. Feb. 1944. 80 M72
- 8830 BIDDLE, DOROTHY, and BLOM, DOROTHEA. Variety without flowers. *Flower Grower* 31: 48-49. Jan. 1944. 80 M72
- Arrangement of evergreens and other foliage, berries, etc.
- 8831 BLACKBURN, BEN. Fir trees on the home grounds. *Horticulture* 22: 27. Jan. 15, 1944. 80 H787
- 8832 BLACKBURN, BEN. Plant for permanence... Black-elder. *Flower Grower* 31: 75, 111. Feb. 1944. 80 M72
- Common winterberry, *Ilex verticillata*.
- 8833 BLACKBURN, BEN. Plant for permanence... Washington thorn [hawthorn]. *Flower Grower* 31: 21. Jan. 1944. 80 M72
- 8834 BONHARD, JOHN. Planning for carnations of quality. *South. Florist and Nurseryman* 56(17): 9-11. Jan. 21, 1944. 80 So86
- 8835 BROWNE, L. L. A. Gardens in Italy. *Gard. Gossip* 19(1): 4, 13. Jan. 1944. 80 G1625
- 8836 BUXTON, B. R. Begonia herbacea. *Begonian* 10: 231, 246. Jan. 1944. 96.511 B39
- 8837 CASEY, J. Texas' cactus blossoms. *Sheep and Goat Raisers' Mag.* 24(3): 58-60. Dec. 1943. 45.8 Sh3
- 8838 CLARK, A. M. Nelly Bly. *Begonian* 10: 234-235. Jan. 1944. 96.511 B39
- 8839 COAPE-ARNOLD, C. C. H. Preservation of thorn hedges. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 422-424. Dec. 1943. 10 G79J
- 8840 COE, W. T. My northern peony garden in 1943. *Amer. Peony Soc. Bul.* 92, p. 22-24. Dec. 1943. 81 Am38B
- 8841 CORTI, GODOFREDO. Arboles y arbustos apropiados para la vivienda rural Argentina. *Campo [Buenos Aires]* 27(324): 34-35. Oct. 1943. 9 C15
- 8842 COTTRELL, A. T. Holly culture as a hobby. *Amer. Forests* 50(1): 12-13, 46. Jan. 1944. 99.8 F762
- 8843 ELLIOTT, F. H. Peruvian daffodils [Hymenocallis] for Easter. *Florists Exch.* 102(2): 7. Jan. 8, 1944. 80 F666
- 8844 ERHORN, MRS. P. E. Christmas greens for home and hospital. Moist sphagnum moss as base helps keep evergreens fresh. *Hort. Soc., N. Y., Monthly Bul.* 15(1): 11-12. Jan. 1944. 81 N482M
- 8845 EVANS, MARY. Foundation planting for home grounds. *House and Gard. [Greenwich, Conn.]* 85(2): 66, 93. Feb. 1944. 80 H81
- 8846 EVERETT, T. H. Tall-growing house plants. *Home Gard. [N. Y.]* 3(1): 90-93. Jan. 1944. 80 H756
- 8847 EVERETT, T. H. Three plants worth knowing. *Gard. Chron. Amer.* 48: 12-13. Jan. 1944. 80 G1632
- Verbena canadensis*, *Gomphrena globosa*, *Lespedeza thunbergii*.
- 8848 FORTNAM, C. D. The new gladioli. *Flower Grower* 31: 80-81, 102-103. Feb. 1944. 80 M72
- 8849 FRENZ, J. W. Home grown peonies, season of 1943. *Amer. Peony Soc. Bul.* 92, p. 12-14. Dec. 1943. 81 Am38B
- 8850 GATKE, R. M. The shrub ocean spray [rock-spirea]. *Horticulture* 22: 18. Jan. 1, 1944. 80 H787
- 8851 GILBERT, MRS. J. D. Eighteen years with cockscombs. *Flower Grower* 31: 76. Feb. 1944. 80 M72
- 8852 GIRIDLIAN, J. N. South African bulbs: *Watsonia* [buglelily]. *South. Florist and Nurseryman* 56(15): 9. Jan. 7, 1944. 80 So86
- From Home Gard. [New Orleans, La.].
- 8853 GRANT, J. A. Shrub planning for the Northwest coast. *Home Gard. [N. Y.]* 3(1): 36-38. Jan. 1944. 80 H756
- 8854 GRAYSON, E. C. New perennials in wartime. *Flower Grower* 31: 69-70. Feb. 1944. 80 M72
- 8855 HADDRELL, BEATRICE. A desirable *Echeveria* [E. pubescens]. *Horticulture* 22: 9. Jan. 1, 1944. 80 H787
- 8856 HASTINGS, R. J. Developing bulb-growing industry in British Columbia. *Florists' Rev.* 93 (2406): 17-18. Jan. 6, 1944. 80 W41
- 8857 HASTINGS, W. R. All-America flowers for 1944. *New England Homestead* 117(1): 6, 31. Jan. 8, 1944. 6 N442
- 8858 HOLCOMB, MRS. J. M. More gossip about the flowers [aster and chrysanthemum]. *Northwest Gard.* 11(11): 16-17. Jan. 1944. 80 N813
- 8859 HULL, H. S. Social climbers from the wild. *Home Gard. [N. Y.]* 3(1): 55-57. Jan. 1944. 80 H756
- Six American vines with all-around merit as features in varied plantings.
- 8860 HUME, H. H. Camellia classifications. *Natl. Hort. Mag.* 23: 1-12. Jan. 1944. 80 N216
- 8861 HURFF, E. K. The Christmas rose [Helleborus niger]. *Gard. Gossip* 19(1): 5. Jan. 1944. 80 G1625
- 8862 KIPLINGER, D. C. Force azalea coral bells for Christmas with aid of light, storage. Two years of tests at Ohio State University. *Florists' Rev.* 93(2407): 14-15. Jan. 13, 1944. 80 W41
- 8863 KLEIN, L. G. Latest rating of gladiolus varieties. *Canad. Florist* 39: 21-22. Jan. 20, 1944. 80 C163
- 8864 LAWRENCE, "MIKE." War-time is orchid-time. *Northwest Gard.* 11(11): 15, 22-23. Jan. 1944. 80 N813
- 8865 LOGEE, MARY. *Streptosolen jamesoni*. *Horticulture* 22: 15. Jan. 1, 1944. 80 H787
- 8866 MCCOMBS, LILA. Plant these on that sunny slope. *Gard. Chron. Amer.* 48: 20-21. Jan. 1944. 80 G1632
- Annuals and perennials suggested for dry banks in small gardens.
- 8867 MCFARLAND, J. H. Broad-leaved evergreens. *Flower Grower* 31: 23-24. Jan. 1944. 80 M72
- 8868 MCFARLAND, J. H. *Clivias* [kafirillies] in window gardens. *Horticulture* 22: 6. Jan. 1, 1944. 80 H787
- 8869 MCFARLAND, J. H. Memorial rose gardens. *Flower Grower* 31: 77-78. Feb. 1944. 80 M72
- 8870 MCKENNA, P. J. Consider the fringe tree. *Home Gard. [N. Y.]* 3(1): 53. Jan. 1944. 80 H756
- 8871 MONTEIRO DA SILVA, J. R. As orquideas e o campo. *Chacaras e Quintais* 34: 486-487. Oct. 1943. 9.2 C34
- 8872 MURDOCK, MRS. PAUL. A garden aristocrat [shinyleaf yellowhorn]. *Gard. Chron. Amer.* 48: 18. Jan. 1944. 80 G1632
- 8873 NORES, GUILLERMO. Apuntes sobre selección biológica en floricultura. *Agnos [Montevideo]*, No. 133, p. 81-146. July 1943. 9.9 Ag82
- 8874 PESCOTT, E. E. Trees to "heal the nation." *Stock and Land* 33(46): 2. Nov. 17, 1943. 49 St63
- Roadside trees.
- 8875 PFISTER, C. E. Review of the new roses. *Flower Grower* 31: 73, 96-97. Feb. 1944. 80 M72



- 8876 PFISTER, EUGENE. Recent roses that are making good. Home Gard. [N. Y.] 3(1): 70-72. Jan. 1944. 80 H756
- 8877 POESCH, G. H. Up to date geranium culture. Florists Exch. 102(3): 7, 10. Jan. 15, 1944. 80 F666
- Also in Florists' Rev. 93(2407): 15. Jan. 13, 1944. 80 W41
- 8878 REYES C., CARLOS. Corazón tranquilo. Agr. Costarricense 1:79-81. July 1943. 8 Ag895
- White lupine, *Lupinus albus*.
- 8879 RICHARDSON, LOU. Try poppies from Iceland. Better Homes & Gardens 22(6): 80. Feb. 1944. 80 F9424
- 8880 RIES, V. H. Additional campanulas [bell-flowers]. Horticulture 22: 6. Jan. 1, 1944. 80 H787
- 8881 ROBINSON, A. D. A tray for begonias. Begonian 10: 239-240. Jan. 1944. 96.511 B39
- 8882 ROSE, F. J. Lilies in war-time. Gard. Chron. 115(2976): 16-17. Jan. 8, 1944. 80 G162
- 8883 SCHIPPER, E. C. Art principles in flower arrangement. Wis. Hort. 34: 103. Jan. 1944. 80 W752
- 8884 SCHROEDER, R. M. More about peony ratings. Amer. Peony Soc. Bul. 92, p. 25. Dec. 1943. 81 Am38B
- 8885 SECKMAN, M. C. Miniature roses for winter flowering. Flower Grower 31: 40. Jan. 1944. 80 M72
- 8886 SECKMAN, M. C. Tomorrow's daylilies for today. Flower Grower 31: 27, 45. Jan. 1944. 80 M72
- 8887 SLATE, G. L. Here's how to grow lilies from seed. Home Gard. [N. Y.] 3(1): 73-75. Jan. 1944. 80 H756
- 8888 SMITH, R. E. Flowers of the production line. Gard. Chron. Amer. 48: 7-9. Jan. 1944. 80 G1632
- 8889 STALKER, HUGH. "Can spring be far behind?" Hort. News 10(1): 3. Jan. 1944. 80 H7815
- Wildflowers for gardens.
- 8890 THATCHER, A. E. Native herbaceous garden plants. Gard. Chron. Amer. 48: 4. Jan. 1944. 80 G1632
- 8891 THOMAS, G. S. Hardy pinks for the rock garden. Gard. Illus. 64: 244-245. Jan. 1944. 80 G169
- 8892 THWING, W. E. Let's look inside. When the scales of a bulb are removed there may be revealed an amazingly complete plant in miniature. Home Gard. [N. Y.] 3(1): 46-47. Jan. 1944. 80 H756
- 8893 TURNER, A. B. A miniature water garden. Gard. Chron. Amer. 48: 22. Jan. 1944. 80 G1632
- 8894 U. S. PATENT OFFICE. Plant patents. 2 Nos. 1944. 156.65 P69
- Contents: No. 611. Bobbink, L. C. Azalea plant. 1 p., 1 col. pl. Patented Jan. 4, 1944; No. 612. Engle, Russell. Carnation plant. 2 p., 1 pl. Patented Jan. 4, 1944.
- 8895 VOSBURG, J. S. Plantly speaking—in the shade. Begonian 10: 243. Jan. 1944. 96.511 B39
- Browallia speciosa*.
- 8896 WATKINS, J. V. Make the most of winter flowers. Fla. Grower 52(1): 15. Jan. 1944. 80 F6622
- 8897 WATKINS, J. V. Transplanting ornamental trees in the lower South. Home Gard. [N. Y.] 3(1): 28-30. Jan. 1944. 80 H756
- 8898 WEDELL, C. F. "Balance" in plantings. Gard. Chron. Amer. 48: 11. Jan. 1944. 80 G1632
- 8899 WESTON, T. A. The care of holiday plants. Home Gard. [N. Y.] 3(1): 17-19. Jan. 1944. 80 H756

- 8900 WHITEHEAD, S. B. Christmas cheer in the garden. Field 182: 644. Dec. 18, 1943. 10 F45
- 8901 WHITEHEAD, S. B. Floral beauty for house walls. Field 182: 592. Dec. 4, 1943. 10 F45
- Ornamental shrubs.
- 8902 WILDE, E. I. All about garden phlox. Home Gard. [N. Y.] 3(1): 25-27. Jan. 1944. 80 H756
- 8903 WILLARD, F. G. Primulas and primroses. (Cont.) Begonian 10: 245. Jan. 1944. 96.511 B39
- 8904 WOOD, C. W. Pointers for plantmen. Canad. Florist 39: 28, 31. Jan. 20, 1944. 80 C163
- Amazonlily *Eucharis*.
- 8905 WOOD, C. W. Some southwestern natives [annual ornamental plants]. Amer. Nurseryman 79(2): 28-30. Jan. 15, 1944. 80 Am371
- 8906 WOOD, C. W. Uncommon labiates of garden value. Amer. Nurseryman 79(1): 11-12. Jan. 1, 1944. 80 Am371
- 8907 WOODROFFE, F. B. Grow roses all ways. Better Homes & Gardens 22(6): 22-23. Feb. 1944. 80 F9424

#### Small Fruits

- 8908 BAILLARD, W. R. Small fruits for the home grounds. South. Farmer 105(1): 20-21. Jan. 1944. 6 So88
- 8909 CANADA. DEPARTMENT OF AGRICULTURE. The blueberry. Canada. Dent. Agr. Farmers' Bul. 120, 30 p. Ottawa, Oct. 1943. 7 C16F
- Contents: I. Culture, by E. L. Eaton, p. 1-16; II. Propagation, by C. C. Edt, p. 17-24; III. Insects and their control, by A. D. Pickett, p. 25-27; IV. Diseases, by J. F. Hockey, p. 28-30.
- 8910 FULCOMER, T. G. Questions everbearing qualities of Indian Summer raspberry. New England Homestead 117(1): 14. Jan. 8, 1943. 6 N442
- 8911 GOBBATO, CELESTE, and MARTINS, J. V. Subsídios sobre a adaptação, ao nosso meio, de algumas castas produtoras de vinhos. (To be cont.) Vida Rural e Econ. 5(8): 60. Aug. 1943. 9.2 V663
- 8912 GRUBB, N. H. Five new raspberry seedlings. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 31-36. Aug. 1943. 103 Ea7
- 8913 MACRAE, LESLIE. Raise desserts on your own small fruit bushes. Better Homes & Gardens 22(6): 28-29. Feb. 1944. 80 F9424
- 8914 OLDHAM, C. H. New strawberries. Gard. Chron. 113: 77. Feb. 20, 1943. 80 G162
- 8915 STEVENS, N. E. An outstanding cranberry. Fifty years of the Searles variety. Wis. Hort. 34: 83-84. Jan. 1944. 80 W752

#### Vegetable and Truck Crops (Including Potatoes)

- 8916 BEEGLE, ALLAN. Two new tomatoes. Pa. Farmer 130: 11. Jan. 8, 1944. 6 P383
- Stemless Pennorange and Stemless Penred.
- 8917 CARLETON, R. M. Best ways to grow onions. Better Homes & Gardens 22(6): 11, 96-97. Feb. 1944. 80 F9424
- 8918 COMBS, O. B. Mendota, a new edible [soybean] variety from Wisconsin. Soybean Digest 4(3): 17. Jan. 1944. 60.38 So9
- 8919 COPLEY, G. H. A good rhubarb. Gard. Illus. 64: 255. Jan. 1944. 80 G169
- Glaskin's Perpetual, a quick maturing variety.
- 8920 COTTIER, K. Maintaining the standard of certified seed potatoes. New Zeal. Jour. Agr. 67: 325-327. Nov. 15, 1943. 23 N48J
- Varietal purity and freedom from virus diseases main points of consideration.
- 8921 COULTER, F. C. Watermelon - the summer favorite is of African origin. Seed World 55(2): 12-13, 35. Jan. 21, 1944. 61.8 Se52



- 8922 CRAIG, J. W. Tomato industry in 1943. Fruit-Grower, Fruiterer, Florist & Market Gard. 96: 590. Dec. 30, 1943. 80 F941
- 8923 \*DOLVEN, ARNE. Stamsædavl av settepote-ter. Litt om de krav som stilles for godkjennelse. Norsk Landbruk 9: 170-171. June 25, 1943. 11 N8122  
Regulations for production of seed potatoes.
- 8924 DU SAUTOY, W. Secrets of successful tomato-growing. Farmer's Weekly [Bloemfontein] 66: 218-219. Oct. 20, 1943. 24 F225
- 8925 EDGEcombe, S. W. New potato varieties needed. Country Guide 63(1): 22. Jan. 1944. 7 G76
- 8926 FERNANDO, M. Radish seed production. Trop. Agr. [Ceylon] 99: 86-90. Apr./June 1943. 26 T751
- 8927 FERNANDO, M. Spacing experiments with vegetables. Trop. Agr. [Ceylon] 99: 69-77. Apr./June 1943. 26 T751
- 8928 FORSYTH, GORDON. Plan for maximum [vege-]table garden, crops. Pop. Gard. 45: 367. Jan. 8, 1944. 80 G1622
- 8929 FRAZIER, W. A., and KIKUTA, K. Your toma- to quiz. Hawaii Farm and Home 7(1): 12-13. Jan. 1944. 25 H3191
- 8930 HARDENBURG, E. V. What variety of pota- toes? [N. Y.] Rensselaer County Farm Bur. News 20 (10): 2. Jan. 1944. 275.293 N. Y., Rensselaer Co.  
Also in [N. Y.] Schoharie County Farm Bur. News 28 (6): 5. Jan. 1944. 275.293 N. Y., Schoharie Co.
- 8931 HASKELL, GORDON. Spatial isolation of seed crops. Nature [London] 152: 591-592. Nov. 20, 1943. 472 N21  
Survey of recent investigations to determine plant- ing distance for vegetable seed crops of Great Brit- ain in order to prevent hybridization.
- 8932 HASTINGS, W. R. All-America vegetables for 1944. New England Homestead 117(1): 10-11. Jan. 8, 1944. 6 N442
- 8933 HEPLER, J. R. Asparagus. New England Homestead 117(1): 26. Jan. 8, 1944. 6 N442  
Cultivation suggestions.
- 8934 HORII, TAMOTSU. Vegetables from Waialua. Hawaii Farm and Home 7(1): 18. Jan. 1944. 25 H3191
- 8935 HULL, F. H. Better green corn for market. Selection of varieties is major point. Fla. Grower 52(1): 9. Jan. 1944. 80 F6622
- 8936 INGALLS, N. M. Victory garden carrots. Horticulture 22: 16-17. Jan. 1, 1944. 80 H787
- 8937 KIMPTON, SYDNEY. Potato growing in home gardens. Horticulture 22: 35-36. Jan. 15, 1944. 80 H787
- 8938 KINSLEY, C. H. Start tomato hot beds right. Pacific Rural Press [South. Ed.] 147: 14. Jan. 8, 1944. 6 P112A
- 8939 \*KÖTTER. Ertragsteigerung im tomatenbau. Land u. Frau 27: 93. Mar. 27, 1943. 18 D482L
- 8940 \*KOPETZ, L. M. Fruchtfolgefragen im feld- gemüsebau. Mitt. f. die Landw. 58: 504. June 26, 1943. 18 D48M
- 8941 KRONE, P. R. Michigan's Victory gardens produce half of State's vegetables. Hort. News 10(1): 2. Jan. 1944. 80 H7815
- 8942 LASHLEY, F. A. Methods followed by win- ners in Alliston potato competition. Canad. Hort. & Home Mag. Growers' Ed. 67: 11-12. Jan. 1944. 80 C16
- 8943 LEGGETT, TED. Boston's Victory garden program. Flower Grower 31: 79, 108-109. Feb. 1944. 80 M72
- 8944 LIVERMORE, J. R. Research to improve po- tato varieties knows no rest. Farm Res. [N. Y.] State Sta., 10(1): 5. 11. Jan. 1944. 100 N48A  
Also in [N. Y.] Onondaga Co. Farm Bur. News 24(1): 25. Jan. 1944. 275.293 N. Y., Onondaga Co.  
Also in [N. Y.] Chemung Co. Farm Bur. News 24, 1.e. 29(2): 12. Feb. 1944. 275.293 N. Y., Chemung Co.
- 8945 LOWE, HUNTER. Onions can be payers. Farmer & Stock-Breeder 57: 1919. Dec. 7, 1943. 10 F228
- 8946 MCPHERSON, G. K. Chou moellier seed: pro- duction in Canterbury. New Zeal. Jour. Agr. 67: 349-352. Nov. 15, 1943. 23 N48J  
Marrow cabbage, a Brassica hybrid.
- 8947 MELADY, J. H. How to make out your spring order. Home Gard. [N. Y.] 3(1): 10-12. Jan. 1944. 80 H756  
Contains list of vegetable suggestions.
- 8948 MICHIE, H. P. Lettuce. Gard. Gossip 19(1): 8. Jan. 1944. 80 G1625
- 8949 MORGAN, C. N. Lettuce-growing. Queens- land Agr. Jour. 57: 282-290. Nov. 1, 1943. 23 Q33
- 8950 MURRAY, H. R. Victory gardens for 1944. Macdonald Col. Jour. 4(5): 10. Jan. 1944. 101 M144
- 8951 MYERS, C. E. Stemless tomatoes are un- likely to gouge each other in basket. Pa. Agr. Expt Sta. Sci. for the Farmer (Bul. 446, Sup. 1), p. 8-9. 1943. 100 P381  
Stemless Pennred and Stemless Pennorange varieties.
- 8952 \*NICOLAISEN, NICOLAI. Anbau von gemüse nach frühkartoffeln. Mitt. f. die Landw. 58: 478-479. June 19, 1943. 18 D48M
- 8953 NIVEN, L. A. Next thirty days in the garden. Prog. Farmer, Ky.-Tenn. Ed. 59(1): 34. Jan. 1944. 6 P945K  
Planting table for vegetables.  
Also in Prog. Farmer, Miss.-Ark.-La. Ed. 59(1): 34. Jan. 1944. 6 S081
- 8954 \*ØSTLIE, SVERRE. Dobbeltavling. Rotvekst- er eller poteter etter en tidlig høstet grasavling. Kunde det ikke i år være grunn til å ta dobbeltav- lingsmetoden litt mer i bruk i mataukingsarbeidet? Norsk Landbruk 9: 139-141. May 28, 1943. 11 N8122  
Crop rotation as a means of increasing the food supply in Norway.
- 8955 \*PETERSEN, H. J. Roemarkens pasning. Ugeskr. for Landmaend 88: 435-437. June 11, 1943. 11 U63  
Directions for the cultivation of root crops.
- 8956 PLATENIUS, HANS. Time of harvest of vege- tables has small effect on food value. Farm Res. [N. Y. State Sta.] 10(1): 20. Jan. 1, 1944. 100 N48A
- 8957 POLUNIN, NICHOLAS. Propagation of pota- toes. Nature [London] 152: 601. Nov. 20, 1943. 472 N21  
Includes citations from the works of J. C. Loudon, in 1822 and 1825. Emergency methods of propagation which are thought to be new were practiced then.
- 8958 POOLE, C. F., and GRIMBALL, P. C. Ringing in the vitamins. Two 1944 cabbages, rich in C, out- yield older varieties. South. Seedsman 7(1): 11, 46. Jan. 1944. 61.8 S08  
Huguenot and Madison varieties.
- 8959 PRICE, HOWARD. Garden on paper first. How to plan that 1944 foods garden to get the most out of it. Better Homes & Gardens 22(6): 18-19. Feb. 1944. 80 F9424
- 8960 RANA, E. S. Cultivo del melón y de la sandía. Campo [Buenos Aires] 27(324): 36-37, 61-62. Oct. 1943. 9 C15
- 8961 RIVEROS, J. E. Cultivo del pimiento. Agrario [Santiago, Chile] 8(322): 5, 12. Aug. 31, 1943. 9.3 Ag85
- 8962 ROCKWELL, F. F. Cabbages and their cousins. Home Gard. [N. Y.] 3(1): 62-65. Jan. 1944. 80 H756
- 8963 ROCKWELL, F. F. Good vegetables for that Victory garden. A boiled-down list assembled for beginners. Home Gard. [N. Y.] 3(1): 8-9. Jan. 1944. 80 H756



8964 ROCKWELL, F. F. Why not try three-dimension gardening? *Sat. Evening Post* 216(32): 13, 75-76. Feb. 5, 1944. 110 S

Deep topsoil, well-enriched, increases yield of Victory gardens.

8965 RUMSEY, E., and HUTTON, E. M. Commercial extraction of cucumber seed by the acid method. *Austral. Council Sci. and Indus. Res. Jour.* 16: 205-206. Nov. 1943. 514 Au72J

8966 SCHREVE, G. H. New South African sweet potato. *Farmer's Weekly* [Bloemfontein], 66: 413. Nov. 17, 1943. 24 F225

Cross between Vorovsky and South African varieties.

8967 SHIRLOW, N. S. A new method for tomato and cucumber seed extraction. *Hawkesbury Agr. Col. Jour.* 40: 148. Nov. 1943. 276.8 H31

8968 STUCKEY, H. P. How about that Victory garden? *South. Agr.* 74(2): 7, 29. Feb. 1944. 6 S083

8969 STUCKEY, H. P. Tips on Irish potatoes. *South. Agr.* 74(2): 30. Feb. 1944. 6 S033

8970 SWEET, R. D. Starting early vegetable plants. [N. Y.] *Rensselaer County Farm Bur. News* 20(10): 4. Jan. 1944. 275.293 N. Y., Rensselaer Co.

8971 TIEBOUT, G. L. Creole pea, Gulf Coast favorite, produces where others fail. *South. Seedsman* 7(1): 26. Jan. 1944. 61.8 S08

8972 TIEDJENS, V. A. Victory garden tomatoes. *Horticulture* 22: 12-13. Jan. 1, 1944. 80 H787

8973 TOOLE, E. H. War needs bring about cooperative vegetable seed experiments. Experiment stations at Beltsville and elsewhere are solving production problems. *Seed World* 55(2): 8-9, 34-35. Jan. 21, 1944. 61.8 Se52

8974 WALLACE, E. B. Brief notes on onion trouble in Holland (Lincs.). *Kirton Agr. Jour.*, No. 9, p. 15, 17. Dec. 1943. 10 K63

8975 WALLACE, J. C. Onion trials. *Kirton Agr. Jour.*, No. 9, p. 25, 27. Dec. 1943. 10 K63

8976 WALLACE, J. O. N. Z. resistant swede. *New Zeal. Jour. Agr.* 67: 341, 343. Nov. 15, 1943. 23 N48J

Variety of rutabaga resistant to finger-and-toe (club root disease) and dry rot.

8977 WORK, PAUL. Developments in vegetable varieties. *Market Growers Jour.* 73(1): 20, 23-24, 33. Jan. 1944. 6 M34

8978 WRIGHT, R. E., and YARNELL, S. H. Let's make them better sweetpotatoes. *Farm and Ranch* 63(1): 15-16. Jan. 1944. 6 F31

8979 YOUNGMAN, W. H. America - home of the bean. A review of the history and adaptability of beans in the Western Hemisphere. *Seed World* 55(2): 10-11, 47-48. Jan. 21, 1944. 61.8 Se52

8980 YOUNG, P. R. School Victory garden program proves practical in Cleveland. *Seed World* 55(1): 8-9, 36. Jan. 7, 1944. 61.8 Se52

8981 YOUNGMAN, W. H. The United States vegetable seed industry. *Natl. Hort. Mag.* 23: 13-18. Jan. 1944. 80 G216

#### MISCELLANEOUS ECONOMIC PLANTS

##### General

8982 BEARD, F. H. Commercial varieties of hops: a preliminary comparison of their chief characteristics at East Malling. *East Malling [Kent] Res. Sta. Ann. Rpt.* (1942) 30: 75-83. Aug. 1943. 103 Ea7

8983 BEARD, F. H. A comparison of the performance of sets and cuts of hops when planted in their permanent positions. *East Malling [Kent] Res. Sta. Ann. Rpt.* (1942) 30: 73-75. Aug. 1943. 103 Ea7

8984 BEARD, F. H. Cultural trials with hops. III. The effect of "stopping" and number of bines per string on a vigorous late variety (OV7). *East Malling [Kent] Res. Sta. Ann. Rpt.* (1942) 30: 70-72. Aug. 1943. 103 Ea7

8985 BEARD, F. H. General review of research work. VIII. Hops. A. - Varieties and cultivation trials. *East Malling [Kent] Res. Sta. Ann. Rpt.* (1942) 30: 27-28. Aug. 1943. 103 Ea7

8986 CASARRUBIA, ANTONIO. Cultivo y cosecha del safrán. *Chacra* 14(157): 26, 68. Nov. 1943. 9 C34

8987 \*\*KOPPEL, C. VAN DE. Pflanzliche rohstoffe aus Brasilien und parallelen mit Surinam und Niederlandisch Indien. Vic. *Lonchocarpus* wurzel (Cube oder timbo), ein wertvolles insekticid aus dem Amazonengebiet, verglichen mit der derriswurzel von Südost-Asien. *Amsterdam. Kolon. Inst. Af. Handelsmuseum. Ber. No.* 187, 24 p. 1943.

Abs. in *Chem. Zentbl.* 114, II: 458. Aug. 4, 1943. 384 C42

8988 LOW, J. B., and BELLROSE, F. C., Jr. The seed and vegetative yield of waterfowl food plants in the Illinois River Valley. *Jour. Wildlife Mangt.* 8: 7-22. Jan. 1944. 410 J827

8989 MARTINEZ, MAXIMINO. Los estropajos o pastes (*Luffa operculata* Cogn.). *Coop. Agr.* 3(34): 4. Aug. 1942. 8 H752

8990 PESCONT, E. M. Here's honey for the taking. *Stock and Land* 33(47): 2. Nov. 24, 1943. 49 St63

Australian honey plants.

8991 PORTERFIELD, W. M., JR. Taro (dasheen, *Colocasia esculenta*), ancient food plant of tropical regions. *N. Y. Bot. Gard. Jour.* 45: 11-16. Jan. 1944. 451 N48J

8992 SALMON, E. S., BEARD, F. H., and HATTON, R. G. The merits of the new varieties of hops. *East Malling [Kent] Res. Sta. Ann. Rpt.* (1942) 30: 108-112. Aug. 1943. 103 Ea7

8993 SEQUERA, MAXIMILIANO. La zábila [*Aloe*]. *Coop. Agr.* 4(45): 5-8. July 1943. 8 H752

8994 ZAHN, CURTIS. Farming at ten fathoms. *Amer. Mus. Nat. Hist. Nat. Hist.* 53: 43. Jan. 1944. 500 N483J

*Gelidium*, a delicate red alga or seaweed, used for making agar.

8995 \*ZARIANOV, P. P., and FEDOROV, E. M. Vliianie mikroelementov na urozha' tsikorija v vodnykh kul'turakh pri razlichnoi pH [The influence of microorganisms on the yield of chicory in water cultures with various pH values]. *Vologda Agr. Inst. Proc.* (1942) 5: 239-247. 106 V882

##### Drug, Herb, and Condiment Plants

8996 ARNOLD, F. R. Sweet odors give delight. *Horticulture* 22: 7. Jan. 1, 1944. 80 H787

Winter perfumes from dried seeds and leaves of herbs and other plants.

8997 ARNOLD, H. C. *Pyrethrum*. [Cont.] *Rhodesia Agr. Jour.* 40: 289-292. Sept./Oct. 1943. 24 R34

Reprinted as *Rhodesia, South. Dent. Agr. and Lands Bul.* 1242, 10 p. Salisbury, 1943. 24 R345

8998 CHESLEY, C. H. Herbs for window gardens. *Gard. Chron. Amer.* 48: 18. Jan. 1944. 80 G1632

8999 CROSBY, WILLIAM. The quest for quinine [*Cinchona*]. *Hawaii Farm and Home* 7(1): 15. Jan. 1944. 25 H3191

9000 DUNCOMB, MRS. R. J. *Cassia* [senna] grown in the North. *Horticulture* 22: 26. Jan. 15, 1944. 80 H787



- 9001 ELLIOTT, A. B. Untying the Devil's-shoestring [*Tephrosia*]. *Farm and Ranch* 63(2): 28-29. Feb. 1944. 6 F31
- 9002 GEORGE, E. Senna leaflets - their palisade ratio values and ranges. *Quart. Jour. Pharm. and Pharmacol.* 16: 226-232. July/Sept. 1943. 396.8 Q2
- Experiments with *Cassia acutifolia* and *C. angustifolia*.
- 9003 GROUNDS, F. A. How to grow broadleaf sage. *Prog. Farmer, Ky.-Tenn. Ed.* 59(1): 41. Jan. 1944. 6 P945K
- 9004 GUADAGNINI, LUCIANO. Pimentão. *Ceres* 4: 175-177. Jan./Feb. 1943. 9.2 C332
- 9005 INGALLS, N. M. Peppers for the North. *Horticulture* 22: 19. Jan. 1, 1944. 80 H787
- 9006 JAYAWERNA, D. M. A. History of cinchona culture in Ceylon. *Trop. Agr. [Ceylon]* 99: 91-95. Apr./June 1943. 26 T751
- Period covered: 1858-91.
- 9007 KLEIN, JACK. Spice and drug plant conference. *Calif. Cult.* 91: 3, 11. Jan. 8, 1944. 6 C12
- Conference, held in Los Angeles, of growers, buyers, manufacturers, and scientists.
- 9008 MACHADO, OTHON. O carapiá (*Dorstenia brasiliensis* Lam.). *Rev. da Flora Med.* 10: 445-457. Sept. 1943. 71.8 R32
- 9009 MOLDENKE, H. N. The war against malaria. *Amer. Mus. Nat. Hist. Nat. Hist.* 53: 37-42. Jan. 1944. 500 N483J
- Account of program to develop Western Hemisphere sufficiency in quinine by locating and planting cinchona trees.
- Strategic plants, No. V.
- 9010 MORRISON, B. Y. New quinine [*Cinchona*] from this hemisphere. *Natl. Hort. Mag.* 23: 21-31. Jan. 1944. 80 N216
- 9011 ROWSON, J. M. The significance of stomatal index as a differential character. II. The identification of the leaves of English and of Indian belladonna: the characterisation of coca B. P. C. *Quart. Jour. Pharm. and Pharmacol.* 16: 255-264. July/Sept. 1943. 396.8 Q2
- 9012 SIRCAR, N. N. Identification of indigenous drugs. *Indian Jour. Pharm.* 5: 114-117. July/Sept. 1943. 396.8 In23
- Work by Rishi Parashara was basis of botanical study of drug plants.
- 9013 SMALL, JAMES. Bay leaves. A pocket-lens study. *Food* 12: 321-323. Dec. 1943. 389.8 F738
- 9014 UPHOF, J. C. T. El jiroflé o clavero. *Hacienda* 38: 482-483. Nov. 1943. 6 H11
- 9015 WASICKY, RICHARD. Pesquisas farmacológicas sobre as folhas de *Cassia fistula* L. e as de algumas espécies brasileiras de *Cassia*. *Rev. da Flora Med.* 10: 461-475. Sept. 1943. 71.8 R32
- Dye and Tannin Plants
- 9016 FESTER, G. A., and LEXOW, S. G. Las raíces del género *Rebunium* [i. e. *Relbunium*] en la tintorería americana. *Soc. Cient. Argentina An.* 136: 233-240. Nov. 1943. 516 Sol
- Rubber Plants
- 9017 DANCIGER, JACK. La cryptostegia y su valor económico como planta productora de hule. *Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior* 8(11): 18-19. Nov. 1943. 286.8 M575
- 9018 \*DIETRICH, K. R. Biochemische verarbeitungsmöglichkeiten für kogsagys. *Ztschr. f. Spiritusindus.* 65: 50. Apr. 23, 1942. 390.8 Z33
- 9019 FENNELL, T. A. *Cryptostegia* rubber - its rebirth and development. *Rubber Age* 54: 329-332. Jan. 1944. 305.8 R82
- 9020 LEE, J. A. *Cryptostegia* provides limited supply of rubber. *Chem. & Metall. Engin.* 51: 108-109. Jan. 1944. 381 E12
- First commercial attempt to cultivate this source of natural rubber is being made in Haiti.
- 9021 RAMOS, L. T. Cultivemos a mangabeira que nos dará frutos deliciosos e borrachal. *Chacaras e Quintais* 68: 483-484. Oct. 15, 1943. 9.2 C34
- Weeds and Poisonous Plants
- 9022 BRANDÃO FILHO, J. S. *Cuscuta* a pior praga da alfalfa. *Agr. e Pecuaria* 16(246): 13. Sept. 1943. 9.2 Ag89
- 9023 CALLAGHAN, A. R. *Melilotus* taint in wheat. *So. Austral. Dept. Agr. Jour.* 47: 163-164. Nov. 1943. 23 So84
- 9024 DURHAM, H. E. Sodium chlorate for weed control. *Gard. Chron.* 115(2976): 17. Jan. 8, 1944. 80 G162
- 9025 EVANS, MARY. Weeds just weeds. *Gard. Chron. Amer.* 48: 5, 25. Jan. 1944. 80 G1632
- 9026 FIFER, M. W. The nightshade family, poisonous to livestock. *Amer. Dairy Goat News* 5(7): 14. Jan. 1944. 40.18 Am34
- 9027 IRVINE, L. O. F. Bush encroachment in the northern Transvaal. *Farming in So. Africa* 18: 725-729. Oct. 1943. 24 So842
- Measures of eradication of bush which menaces the grass veld of all bush country in South Africa.
- 9028 LANUSSE, G. A. Estudio sobre la semilla de la alfalfa. *Rev. Nac. de Agr. [Bogotá]* 37(473): 15-16. Nov. 1943. 9.4 R32
- Description of weed seeds occurring with alfalfa seed.
- 9029 LARSON, A. H., ERICKSON, LAMBERT, and HARVEY, R. B. Common weeds; descriptions and drawings of use in identification of weeds that are commonly found around the buildings and in the plantings of the farmstead. *Seed Trade Buyers Guide* 1944: 81-101. 225 Se3
- Weed plants illustrated and briefly discussed in previous editions of the *Seed Trade Buyers Guide* have been grouped for some common quality or character.
- 9030 SAIKBY, S. H. Weeds. (To be cont.) *New Zeal. Jour. Agr.* 67: 247-251, 331-336. Oct. 15, Nov. 15, 1943. 23 N48J
- Perennial weeds.
- 9031 SCHULTZ, E. F. La extirpación del cebollín, totorilla o juncea [*Cyperus rotundus*]. *Rosario, Argentina. Bolsa de Com. Bol. Ofic.* 31(762): 9-10. Oct. 15, 1943. 287 R71
- 9032 SOUZA, ROBERTO DE. Intoxicação por plantas. *Ceres* 4: 459-464. July/Aug. 1943. 9.2 C332
- Plants poisonous to livestock.
- 9033 \*VIDME, T. Natriumklorat som middel mot frøgras i kornåker. *Norsk Landbruk* 9: 141-143. May 28, 1943. 11 N8122
- Disadvantages of using sodium chlorate as a means to combat seed weeds in grain fields.
- 9034 WALLER, C. W. A poisonous pea contaminate. *Science* 99: 80. Jan. 28, 1944. 470 Sci2
- Nightshade (*Solanum*) berries, adulterants with peas, contain solanine and solanidine.



## SOILS AND FERTILIZERS

## SOIL SCIENCE

## Soil Physics

9035 \*ANTIPOV-KARATAEV, I. N. Izmeneniya dispersnosti pochvennykh mass i vosprosy prakticheskogo ikh ispol'zovaniya (Changes observed in the dispersity of soil masses and problems of their practical utilization). *Pochvovedenie* (Pedology) 1943, No. 7, p. 3-17.

9036 \*BURGER, HANS. La végétation, le sol et la teneur en eau de ses couches supérieures, dans la bassin d'alimentation de la Baye de Montreux. (To be cont.) *Jour. Forest. Suisse* 94 (9/10): 210-217. Sept./Oct. 1943. 99.8 J82

9037 \*ILMENEV, S. I. Izmenenie fizicheskikh i fiziko-khimicheskikh svoystv podzolistoi pochvy pod vliyaniem obrabotki, udolreniia i vzdelyvaemykh rastenii (A change of physical and chemical properties of podzol soils under the influence of tillage, fertilizers and plants cultivated). *Vologda Agr. Inst. Proc.* (1942) 5: 191-212. Ref., p. 210-212. 106 V882

9038 LEAMER, R. W. The movement of soil moisture. *Ohio State Univ. Abs. Doctors' Diss.* No. 40, p. 183-198. Summer quarter 1942. 241.8 Oh3

9039 LEWIS, RANSFORD, JR., and HOPPER, H. A. Observations of increased moisture penetration under combine rows. *Northwest Sci.* 17: 95-98. Nov. 1943. 470 N81

9040 \*SABININA, I. G. Nekotorye agrogodrologicheskie osobennosti pochv bogarnoi zony srednei Azii (Some agrohdrological peculiarities of soils of the bogar zone of central Asia). *Pochvovedenie* (Pedology) 1943, No. 7, p. 34-47.

## Soil Chemistry and Mineralogy

9041 \*BENGTTSSON, BENGT, KARLSSON, NILS, and MATTSSON, SANTE. The pedography of hydrologic soil series: IV. The distribution of Si, Al, Fe, Ti, Mn, Ca and Mg in the under podzol and the dala brown earth series. *Uppsala. Lantbrukshögsk. Ann.* 11: 172-200. 1943. 104 Up6

9042 DHAR, N. R., and PANT, N. N. Nitrogen loss from soils and oxide surfaces. *Nature* [London], 153: 115-116. Jan. 22, 1944. 472 N21

9043 KOCH, D. E. V. The effect of ammonium sulphate and of ammonium phosphate as nicifos on the lateritic paddy soils of Peradeniya. *Trop. Agr. [Ceylon]* 99: 83-85. Apr./June 1943. 26 T751

9044 \*KONONOVA, M. M. Priroda i svoystva burykh gumusovykh veshchestv, obrazuyushchikhsia pri gumifikatsii rastitel'nykh ostatkov (kornei liustserny) (Nature and properties of brown humic substances formed at the humification of plant residues (alfalfa roots)). *Pochvovedenie* (Pedology) 1943, No. 7, p. 18-23.

9045 NETTO, J. E. DE P. A "fração agrila" dos solos de estado de São Paulo e seu estudo roentgenografico. *Rev. Bras. de Quím. (Cien. & Indus.)* 16: 99-115. Aug. 1943. 385 R322

9046 NICOL, HUGH. Les elementos menores en la composición de los suelos. *Campeño* [Santiago, Chile] 75: 630, 632. Oct. 1943. 9.3 Sol2

9047 OLD, A. N. Earth's chemical composition. Plants depend upon chemical elements in soil for growth. *Citrus Leaves* 24 (1): 10-11. Jan. 1944. 80 C492

9048 RUBANOVSKY, L. L. Zakreplenie fosfornoi kisloty v podzolistoi i lesostepnoi pochvakh pri vnosenii mineral'nykh udolrenii (Fixation of phosphoric acid in podzol forest and steppe soils while treating with fertilizers). *Vologda Agr. Inst. Proc.* (1942) 5: 159-189. Ref., p. 187-189. 106 V882

## Soil Microbiology

9049 \*KHOODJAKOV, J. P. Del'stvie mikroorganizmov na kolloidny pochvy (Effect of microorganisms upon soil colloids). *Pochvovedenie* (Pedology) 1943, No. 7, p. 48-55.

9050 MCCARTHY, J. A., and CASSIDY, W. E. Viability of bacteria in the presence of phosphates. *New England Waterworks Assoc. Jour.* 57: 287-312. Dec. 1943. 292.9 N44

## Soil Genesis, Formation, Classification, and Mapping

9051 CALVACHE, ANTONIO. Rocas formadoras de suelos en Cuba. *Agronomía [Habana]* 3: 181-186; 201-208. Nov., Dec. 1943. 8 C893

9052 MCMILLER, P. R. The present status of the soil survey in Minnesota. *Minn. Acad. Sci. Proc.* (1942) 10: 26-29. 500 M663

## SOIL MANAGEMENT

9053 BATES, G. H. The improvement of lowland pastures. *Country Life* [London], 104: 908-909. Nov. 19, 1943. 80 C83

9054 BUCHNER, ENRIQUE. Mejores pastos. El pastoreo intensivo y la necesidad de abonar. *Campeño* [Santiago, Chile] 75: 739-740. Nov. 1943. 9.3 Sol2

9055 CLARK, B. C. The exploitation of the soil. *Past. Rev.* 53: 740. Nov. 16, 1943. 23 Au75

9056 FISHER, J. Hints on crop production. Farming in So. Africa 18: 785-788. Nov. 1943. 24 So842

## Management of soils.

9057 LAURIE, ALEX. To make your Victory garden grow. Here's how to fix the soil for best production in this coming year of increased food-raising need. *Home Gard.* [New York], 3: 86-88. Jan. 1944. 80 H756

9058 LEONARD, O. A. Study of corn root systems shows need for permeable subsoil plus fertility. *Miss. Farm Res.* 6 (12): 7. Dec. 1943. 100 M69M1

9059 NEEL, L. R. Enrich the earth. *South. Agr.* 74(2): 20. Feb. 1944. 6 So83

9060 NORUM, E. B. Do soybeans hurt soil? Some Iowa tests. *Soybean Digest* 4 (3): 15-16. Jan. 1944. 60.38 So9

9061 OLDERSHAW, A. W. Good crops from idle grassland. *Dairy Farmer* [London] 17 (1): 20. Jan. 1944. 44.8 D1414

9062 PAGE, H. J. Problemas de suelo en la producción de cosechas tropicales. *Coop. Agr.* 4 (47): 2. Sept. 1943. 8 H752

9063 PRIMER Congreso Nacional de Tierras y Fertilizantes. (To be cont.) *Agr. Mod.* [Habana], 1(2): 16. July 1943. 8 Ag882

9064 RUSSELL, E. J. Treating soil right gives results. *Saskatchewan Farmer* 35 (2): 11. Jan. 15, 1944. 7 Sa74

## Soil Fertility

9065 ALBRECHT, W. A. "Grow" foods or only "go" foods, according to the soil. *School Sci. and Math.* 44: 24-35. Jan. 1944. 470 Sch64

## Soil fertility and human nutrition.

9066 \*ALOV, A. S. Vliyaniye pochvennogo fona na effektivnost' raznykh srokov podkormki zernovykh. (Influence of the initial soil conditions upon the effectivity of fertilizers applied to cereals in different times). *Pochvovedenie* (Pedology) 1943, No. 7, p. 24 - 33.

9067 ANDREWS, W. B. Efficiency of fertilizers depends on the grade or kind used, soil, crop grown. *Miss. Farm Res.* 6 (12): 8. Dec. 1943. 100 M69M1

9068 BARRETT, O. W. Abonos para cultivos tropicales. (To be cont.) *Coop. Agr.* 4(48): 17-19; 5(49): 10-12. Oct.-Nov. 1943. 8 H752

9069 BAUR, KARL, and CUMMINGS, G. A. Effect of fertilizer placement on yield of spinach seed. *Washcoegg* 21(9): 5-6. Jan. 1944. 47.8 W27



- 9070 BENNETT, H. H. Soil and man. Md. Farmer 28 (1):12, 16. Jan. 1944. 6 M362
- 9071 \*CHRISTENSEN, J. D. Den kemiske jordbundsundersøgelse. Ugeskr. for Landmænd 88: 465-468. June 25, 1943. 11 Ug3  
Abs. of article published in Ladelund Elevforenings Aarskrift.
- Chemical analysis of soil and use of fertilizer.
- 9072 CLEAVINGER, E. A. Proteins from phosphates Capper's Farmer 55 (2): 24. Feb. 1944. 6 M693
- 9073 CRANWORTH, LORD. Is modern farming inimical to health? Field 183: 60-61. Jan. 15, 1944. 10 F45  
Value of fertilizers.
- 9074 DAHLBERG, H. W. Fertilize heavily for 1944! To supplement manure use more commercial fertilizers, now "dirt cheap" in terms of high crop values, and seriously needed on many soils. Through the Leaves 31(6): 24-30. Nov./Dec. 1943. 66.8 T41
- 9075 DARLING, F. F. Farming the forgotten isles. Not a case of "Growing bananas at the north pole" but a realistic example of what can be done to restore fertility to the derelict crofts of the Scottish Highlands. Farmers Weekly [London] 20 (1): 29-30. Jan. 7, 1944. 10 F2226
- 9076 DÍAZ, FRANCISCO. Fertilización de las tierras pobres. Paraguay. Min. de Agr. Cartilla Agropecuaria No. 57/58, p. 11-13. July/Aug. 1943. 9.7 Ec72
- 9077 FRAPS, G. S. Salty soils in Texas. Tex. Livestock Jour. 3 (1):8. Jan. 15, 1944. 49 T29
- 9078 GERICKE, S. Enterdickstände und humushalt des bodens. Chem. Ztg. 67: 277-278. Sept. 15, 1943. 384 C42
- 9079 GONZÁLEZ, A. DE J. La calcarización de los suelos agrícolas particularmente en las regiones tropicales. Téc. Azucarera Rev. Mens. 20(23/24): 22-25. Nov./Dec. 1943. 65.8 T22
- 9080 HARGRAVE, J., and THOMPSON, F. C. The use of salt in the manuring of onions. Kirton Agr. Jour. No. 9, p. 19, 21, 23. Dec. 1943. 10 K63
- 9081 HARLAN, P. W. Using organic materials. Just what happens to humus growers are urged to apply! Citrus Leaves 24(1): 8-9, 26. Jan. 1944. 80 C492
- 9082 HENDRICKS, H.E. The use of borax in the legume-livestock program of the South. Soil Sci. 57: 85-89. Jan. 1944. 56.8 So3
- 9083 \*KONOLD, OTTO. Die nährstoffwirkung des stallmist; ergebnisse aus den stallmistversuchen des versuchsgutes Mocheln. Mitt. f. die Landw. 58: 523-525. July 3, 1943. 18 D48M
- 9084 LUSH, R. H. and Smalley, H. R. Food and feed from fertilizer. Fert. Rev. 18 (4): 8-9. Oct./Dec. 1943. 57.8 F414
- 9085 MCKENNA, P. J. Coal ashes as a soil improver. Home Gard. [New York] 3: 34-35. Jan. 1944. 80 H756
- 9086 NICOL, HUGH. Soil and health. Food Manufacture 19:27-28. Jan. 1, 1944. 389.6 F736
- 9087 \*PLATZMANN, MAX. Düngung und Futterwert. Deut. Landw. Tierzucht 47: 14-15. Jan. 9, 1943. 49 D48
- 9088 POLLARD, A.G. Soils and fertilizers. Soc. Chem. Indus. Ann. Rpt. (1942) 27: 367-378. 1943. 382 M31R
- 9089 SECRETT, F. A. The importance of organic manure for market-gardening. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 445-449. Jan. 1944. 10 G79J
- 9090 SKINNER, J.J. Ammonium nitrate as a fertilizer for cotton. Com. Fert. 68(2): 18-20. Feb. 1944. 57.8 C73
- 9091 \*TORSTENSSON, G., and ERIKSSON, SIGURD. Ein beitrag zur frage der ausnutzung der düngerphosphorsäure in sauren Böden. Uppsala. Lantbrukshögsk. Ann. 11: 82-106. 1943. 104 Up6
- 9092 TRUOG, EMIL, CHAPMAN, C.J., and GRAUL, E.J. Use of ammonium nitrate for an early abundant pasture. Farmer's Friend 3(16): 6. Feb. 4, 1944. 6 F2209
- 9093 VICKREY, K. C. Are your rabbits worth it? Small Stock Mag. 28 (1): 3. Jan. 1944. 48.8 P442  
Avoid the use of animal manure on soil growing fruit and vegetables to be used as food or feed, especially as feed for rabbits.
- 9094 WALLACE, T., and WAIN, R. L. The blackening of cooked potatoes. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 425-428. Dec. 1943. 10 G79J  
Blackening appears to be due to deficiencies of potash and phosphate.
- 9095 WALSH, THOMAS. Characteristics of some Irish orchard soils in relation to apple tree growth. Fire. Dept. Agr. Jour. 11: 61-122. Mar. 1943. 10 Ir2J
- 9096 WARD, C. T. Soil fertility. Fert., Feed. Stuffs and Farm Supplies Jour. 30: 3, 5-7. Jan. 5, 1944. 57.8 F413
- Soil Tilth and Tillage
- 9097 FAIRBAIRN, DON. To plow or not to plow. N.J. Farm and Garden 15(2): 11, 27. Feb. 1944. 6 G162
- 9098 GETHIN-JONES, G. H. A commentary on "Physical research on problems of soil cultivation." East African Agr. Jour. 9: 112-113. Oct. 1943. 24 Ea74
- 9099 KEEN, B.A. Physical research on problems of soil cultivation. East African Agr. Jour. 9: 107-111. Oct. 1943. 24 Ea74
- 9100 TEJADA, EMILIO. La importancia de la preparación del suelo cultivado antes de sembrar. Coop. Agr. 4 (40):11-12. Feb. 1943. 8 H752
- 9101 WILKS, T. N. Cultivations in the light of war-time experience. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 441-444. Jan. 1944. 10 G79J
- Drainage, Irrigation, Water Supply, and Flood Control
- 9102 ALVARADO, JOSE. Pequeñas ideas cooperando al problema de irrigación de los Llanos de la Fragua. Mercurio 1(30): 2, 4. Oct. 16, 1943. 280.8 M53
- 9103 ANGELL, G. N. When water hits the desert. Oreg. Farmer 67 (1):3. Jan. 6, 1944. 6 Or32
- 9104 BAUMANN, PAUL. The debris problem in flood control. Engin. News-Rec. 132: 40-43. Jan. 13, 1944. 290.8 En34
- 9105 BOONE, A. R. Food for 70,000,000. Rivers run uphill to create a 22,500 square-mile Victory garden nearing completion in California's Central Valley. Pop. Sci. Monthly 144(3): 95-98. Mar. 1944. 470 P81
- 9106 DOMINY, J. N. Land drainage in the winter. Country Life [London] 94: 997. Dec. 3, 1943. 80 C83
- 9107 FLEMING, ROSCOE. Whole fate of Missouri River basin and all its people hangs on plan. To insure prosperity for future? Wrong decision would bar farm expansion for all time; flood control and irrigation vie for supremacy. Natl. Union Farmer 22(24): 5. Jan. 15, 1944. 281.8 W212
- 9108 FREYBURGER, EDWIN. Mutual drainage association speeds food production. U. S. Soil Conserv. Serv. Soil Conserv. 9: 164-166. Jan. 1944. 1.6 So3S
- 9109 HOSKINS, W. G. The reclamation of the waste in Devon, 1550-1800. Econ. Hist. Rev. 13(1-2): 80-92. 1943. 277.8 Ec7
- 9110 JEFFORDS, R. M. Study being made of ground-water resources. W.Va. Conserv. 7 (10): 10, 20-21. Jan. 1944. 279.8 W524
- 9111 KENDALL, R. G. Practical field draining - II. Water, ponds & drain pipe. Farm Impl. Mach. Rev. 69: 725-726. Jan. 1, 1944. 58.8 Im72
- 9112 KENNERLY, A. B. Water to spare. Farm and Ranch 63 (2): 6. Feb. 1944. 6 F31



9113 LEADLEY, TOM. Year-round farming. Sunshine and irrigation in Arizona. Nebr. Farmer 86 (2): 5. Jan. 15, 1944. 6 N27

9114 LEES, A. B. Water drives water - for milk. Farmer & Stock-Breeder 57: 1996. Dec. 21, 1943. 10 F228

Water supply on the farm.

9115 LEMMON, R. S. Have you a dry spot to plant? Home Gard. [New York] 3: 60-61. Jan. 1944. 80 H756

Conservation of moisture.

9116 MACDONALD, ARCHIE. Scotland wins back flooded acres. Farmer's Mag. 41(2): 9, 37. Feb. 1944. 7 C165

9117 PAPEL e impotencia económica del agua en la agricultura. (To be cont.) Coop. Agr. 4(37): 1-4. Nov. 1942. 8 H752

9118 ROBERTS, R. H. Stone packed weirs. Rhodesia, South. Min. Agr. and Lands. Bul. 1241, 3 p. Salisbury, 1943. 24 E345

Reprinted from Rhodesia Agr. Jour. 40(5): 287-288. Sept./Oct. 1943.

9119 ROGERS, W. S. Plants and their water supply. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 103-104. Aug. 1943. 103 Ea7

9120 SCARRITT, ED. The flowing wells. New Mexico 22 (2): 10-11, 35-37. Feb. 1944. 288.8 N46

9121 SPEEDIE, M. G. Earth dams. Their design and the causes of some failures. Inst. Engin. Austral. Jour. 15: 205-212. Sept./Oct. 1943. 290.9 In75

9122 TWICHELL, TRIGG. Capacity of Trinity River levee system. Reduction of flood-plain area at Dallas, Tex., by levee construction compensated for by channel improvements. Civil Engin. 14: 65-66. Feb. 1944. 290.8 C49

9123 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States. Part 3, Ohio River Basin. U. S. Geol. Survey. Water-Supply Paper 923, 622 p. Washington, D. C., U. S. Govt. print. off., 1943. 407 G29W

9124 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1942. Part 4, St. Lawrence River basin. U. S. Geol. Survey. Water-Supply Paper 954, 202 p. Washington, D. C., U. S. Govt. print. off., 1944. 407 G29W

9125 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1942. Part 8. Western Gulf of Mexico basins. U. S. Geol. Survey. Water-Supply Paper 958, 285 p. Washington, D. C., U. S. Govt. print. off., 1943. 407 G29W

9126 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1942. Part 14. Pacific slope basins in Oregon and lower Columbia River basin. U. S. Geol. Survey. Water-Supply Paper 964, 231 p. Washington, D. C., U. S. Govt. print. off., 1943. 407 G29W

9127 VAN DRIEST, E. R. Effect of turbulence on sedimentation. Discussion. Amer. Soc. Civ. Engin. Proc. 70: 103-104. Jan. 1944. 290.9 Am3P

9128 WINSOR, L.M. Irrigation in Iran. Water control methods, past and present, in an ancient center of civilization. Civil Engin. 14: 62-64. Feb. 1944. 290.8 C49

#### Erosion and Erosion Control

9129 ARE WE headed for another dust bowl? Farm and Ranch 63: 11-12. Jan. 1944. 6 F31

9130 BRANDON, A. L. Establishment of turf and erosion control in the fourth service command. Greenkeepers' Rptr. 12(1): 7-8, 20-21. Jan./Feb. 1944. 60.18 G83

9131 BREGGER, J. T. Late development in fruit-growing practice. Orchard planting, maintenance, terracing, cover crops, mulching. South. Florist and Nurseryman 56(15): 5, 10-12. Jan. 7, 1944. 90 So86

9132 DOLL, E. H. Bigger crops through conservation. Nebr. Farmer 86(2): 1, 20, 23. Jan. 15, 1944. 6 N27

9133 DOLL, E. H. Extension soil conservationist describes methods of controlling wind erosion. Nebr. Agr. Ext. Serv. News 32(5): 1-2. Jan. 1944. 275.29 N272As

9134 GARRETT, E. B. Brown Creek district grows up to fight. U.S. Soil Conserv. Serv. Soil Conserv. 9: 156 - 160. Jan. 1944. 1.6 So3S

9135 GEISZLER, G.N. He boosted production of livestock products. Dakota Farmer 64: 50. Feb. 5, 1944. 6 D14

Contour farming.

9136 HERRIOT, R. I. The Cinderella of agriculture. So. Austral. Dept. Agr. Jour. 47: 55-57. Sept. 1943. 23 So84

Soil conservation and management.

9137 HUMPHREY, R. R. A history of range use and its relation to soil and water losses on the Walla Walla River watershed, Washington and Oregon. Northwest Sci. 17: 82-87. Nov. 1943. 470 N81

9138 HURST, F. J. Do you take this land - for better or for worse? Prog. Farmer, Miss.-Ark.-La. Ed. 59: 11. Jan. 1944. 6 So81

9139 JIJÓN Y CAAMAÑO, J. La erosión en la Sierra Ecuatoriana. Ecuador. Cám. de Agr. de la Primera Zona, Quito. Rev. 6: 750-752. July/Aug. 1943. 9.5 Ec96

"Tomado de 'La Patria,' No. 291."

9140 KELLEY-PATTERSON, ELEANORE. Soil reclamation at Vlekpoort. So. African Merino Breeders' Jour. 4 (4): 16. Oct. 1943. 45.8 So8

9141 KING, BARRINGTON. Penal farm rebuilds lives and soil. U.S. Soil Conserv. Serv. Soil Conserv. 9: 152 - 155, 161 - 163. Jan. 1944. 1.6 So3S

9142 LE ROUX, J. C., and UNKLES, W. Contour systems for orchards. Farming in So. Africa 18: 733-738, 746. Oct. 1943. 24 So842

9143 MARQUES, J. Q. DE A. Importância do problema da conservação dos solos. Ceres 4: 291-298. May/June 1943. 9.2 C532

In Brazil.

9144 MERRILL, L.P. Soil conservation needed in east Texas. East Texas 18(5): 6, 16. Feb. 1944. 6 Ea73

9145 OKANAGAN PLANT NUTRITION COMMITTEE. Cover crops in irrigated orchards British Columbia. Information, gathered in intensive investigation, presented for benefit of growers. Country Life [Brit. Columbia] 28(1): 18-19. Jan. 1944. 7 C832

9146 ORTEGA, POMPILIO. El uso de la maquinaria agrícola debe reglamentarse. Coop. Agr. 4 (48): 1-3. Oct. 1943. 8 H752

Conserve soil by proper use of machinery.

9147 PÉREZ PÉREZ, ROMAN. Conservación y mejoramiento de las tierras dedicadas al cultivo del tabaco en Cuba. (To be cont.) Agr. Mod. [Habana] 1(5/6): 17. Oct./Nov. 1943. 8 Ag882

9148 SAYRE, C. B., and CARLETON, E. A. Contour farming increases yields of canning crops. Farm Res. [N. Y. State Sta.] 10(1): 2-3. Jan. 1944. 100 N48A

9149 SHIPMAN, R. C., and COLE, R. O. Building terraces with the moldboard plow. Agr. Engin. 25: 15-16. Jan. 1944. 58.8 Ag83

9150 SOIL conservation in South Carolina. Fed. Reserve Bank, Richmond, Va., Monthly Rev., Dec. 31, 1943, p. 2. 284.8 F31R

Jack Wooten, Farm Credit Administration, South Carolina, collaborator.

9151 STOVALL, J.T. Soil conservation and postwar planning. N. Mex. Ext. News 24(1): 6. Jan. 1944. 275.29 N463Ex



9152 TWENHOFEL, W.H., and others. The sediments of four woodland lakes, Vilas County, Wisconsin. Part 2. Amer. Jour. Sci. 242:85-104. Feb. 1944. 470 Am34

V.E. McKelvey, S.A. Carter, and Henry Nelson, joint authors.

9153 WEHRWEIN, E. S. The stewardship of the soil. Wis. Conserv. Bul. 8 (12): 27-28. Dec. 1943. 279.8 W752

9154 WRIGHT, H.P. The top nine inches. West. Farm Leader 9(3): 2. Feb. 4, 1944. 280.28 W52

#### Sanitation

9155 SHEWELL-COOPER, W.E. Method and purpose of soil sterilisation. Field 183: 102. Jan. 22, 1944. 10 F45

#### MATERIALS FOR SOIL IMPROVEMENT

9156 BRAND, C. J. Prospects for fertilizers in 1944. Chemurg. Digest 3 (1): 7-9. Jan. 15, 1944. 381 N213Na

9157 DORMAN, CLARENCE. Adequate fertilizer supply essential in meeting [Mississippi] State goals in crop production. Miss. Farm Res. 6 (12): 1, 8. Dec. 1943. 100 M69M1

9158 GOMEZ MARZHEIMER, G.M.O. Déficit de fertilizantes orgánicos. Agrario [Santiago, Chile; 8(326): 8. Oct. 30, 1943. 9.3 Ag85

9159 OWEN, O. Chemical problems. Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 62-69. 1943. 103 N93

Experiments on the use of fertilizers.

9160 RAYMOND, L. C. The fertilizer angle of crop production in 1944. Macdonald Col. Jour. 4 (5): 8-9. Jan. 1944. 101 M144

9161 SCHINEIS, W. Der bezug von handelsdünger im wirtschaftsjahr 1943/44. Mitt. f. die Landw. 58: 522-523. July 3, 1943. 18 D48M

9162 SMITH, M. A. Guano on the American diplomatic scene. Fert. Rev. 18 (4): 10-11, 15. Oct./Dec. 1943. 57.8 F414

Condensation of one chapter of thesis entitled: "The relation of fertilizers to the American farmer and his soil during the nineteenth century."

9163 WILLETT, HERBERT. Wartime fertilizer consumption and prices. Fert. Rev. 18(4): 16. Oct./Dec. 1943. 57.8 F414

9164 WORTHEN, E. L. Buy fertilizers early but with your eyes open. [N. Y.] Niagara County Farm and Home Bur. News 30(10): 7. Jan. 1944. 275.293 N. Y., Niagara County

9165 WUNDER, B. Anillos de ensayos. Agrario [Santiago, Chile; 8(323): 4. Sept. 15, 1943. 9.3 Ag85

Fertilizer experiments.

#### Primary Materials (N, P, and K Fertilizers)

9166 BEAR, F. E. The news on nitrogen. Amer. Fruit Grower 64 (1): 6, 18. Jan. 1944. 80 G85

9167 CUMMINGS, R. W. Nitrogen in 1944. Carolina Co-op. 22 (1): 3, 11. Jan. 1944. 72.8 N81

9168 NITROGEN: competition or not? Fortune 29 (2): 129-130, 232, 234, 236, 238, 241-242, 244, 247. Feb. 1944. 110 F772

9169 WHITTAKER, C. W., and MEHRING, A. L. Nitrogenous fertilizers for direct application. Fert. Rev. 18(4): 2-3, 13. Oct./Dec. 1943. 57.6 F414

#### Secondary and Minor Element Materials

9170 BERGER, K.C., and TRUOG, EMIL. Boron tests and determination for soils and plants. Soil Sci. 57: 25-36. Jan. 1944. 56.8 So3

#### Mixed Fertilizers and Fertilizer Technology

9171 HARDESTY, J. O. The use of ammonium nitrate in mixed fertilizers. Amer. Fert. 99 (8): 5-7, 20, 22, 24; (9): 10-11. Oct. 3, 23, 1943. 57.8 Am3  
Experiments conducted by J. O. Hardesty, J. Y. Yee, and V. L. Geddy directed by W. H. Ross. Manuscript prepared by J. O. Hardesty and F. W. Parker.

#### Mineral Soil Amendments (lime, gypsum, etc.)

9172 HARGRAVE, J., and THOMPSON, F. C. Types of agricultural lime. Kirton Agr. Jour., No. 9, p. 5, 7, 9. Dec. 1943. 10 K63

#### Manures and Composts

9173 BLACK, L. M. Lime those poultry droppings. It makes better manure, is more sanitary and repels flies and rodents. N. J. Farm and Garden 15(1): 38. Jan. 1944. 6 G162

9174 DICKEY, J. B. R. More feed from pastures. Interstate Milk Prod. Rev. 24(9): 2. Jan. 1944. 280.28 In83

Use of manure and nitrogen.

9175 SAENZ RODRIGUEZ, ORLANDO. Aplicación de abono. Coop. Agr. 4 (46): 3-5. Aug. 1943. 8 H752

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

9176 ALEXANDER, C. K. Wisconsin forest crop tax experience. Natl. Tax Assoc. Bul. 19: 116-120. Jan. 1944. 284.58 N21

9177 BULL, W. I. Wood is fighting material. Mich. Farmer 202 [i. e. 203]: 29, 32. Jan. 15, 1944. 6 M58

Suggestions for marketing farm woodland products.

9178 CHAPMAN, H. H. The policies of the Connecticut State Park and Forest Commission. Wooden Nutmeg 19(10): 5-7. Dec. 1943. 99.8 W852

9179 DRURY, N. B. Sitka spruce and the Olympic National Park. Jour. Forestry 42: 51-52. Jan. 1944. 99.8 F768

"Comment" by H.H. Chapman, p. 52.

On forest conservation in national parks.

9180 GONET, CH. Les exigences de l'économie forestière. Jour. Forest. Suisse 94: 109-116. May 1943. 99.8 J82

On the National Plan of Switzerland as it affects forests.

9181 LANGLIE, A. B. Timber plays leading role in Washington. West Coast Lumberman 70(12): 25-29, 61. Dec. 1943. 99.81 W52

On the economic importance of forests in the State of Washington.

9182 LENNARD, REGINALD. Post-war forest policy. Agenda 2: 350-358. Nov. 1943. 280.8 Ag3

Considers forest policy as only one aspect of the land utilization policy, and questions certain recommendations of the Forestry Commission of Great Britain.

9183 MARTIN, C. W. History of acquisition of Connecticut State forests. Wooden Nutmeg 19(10): 9. Dec. 1943. 99.8 W852

9184 N., J. Verdsettelse og forsikring av ungekogen [Valuation and insurance of the young stand]. Skogbrukeren 18: 101-102, 104-105. July 1, 1943. 99.8 Sk54

Consists largely of increment and value tables.

9185 RHYS, J. P. Private woodlands and the State. Field 182: 636. Dec. 18, 1943. 10 F45  
Discussion of the post-war forest plans of Great Britain.



9186 WATTS, L. F. Better forest protection and management essential to expansion and sustenance of prosperous forest industries in the South. [Excerpts.] Naval Stores Rev. 53(44): 10, 12, 20. Jan. 29, 1944. 99.81 M22

9187 WATTS, L. F. Wood to move our food. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 21-22. Dec. 1943. 1 Eo7Ag

Forest Service projects contributing to food production and distribution.

#### Legislation

9188 BUTTRICK, P. L. More State forest regulation. Amer. Forests 50: 42-43. Jan. 1944. 99.8 F762

9189 \*EBERTS. Die verstärkung der selbstverwaltung in der forstwirtschaft. Deut. Forstwirt 25: 225-228. July 2, 1943. 99.8 D483

Text of decree of Mar. 11, 1943, on forest administration, with discussion.

#### Prices

9190 U. S. OFFICE OF PRICE ADMINISTRATION. Logs and bolts. Fed. Register 9: 682-683. Jan. 18, 1944. 169 F31

Maximum Price Regulation 348, Amend. 31.

9191 WALLACE, W. D. Adjustment of United States wood-pulp prices. Canada Dept. Trade and Com. Com. Intel. Jour. 70: 75. Jan. 22, 1944. 286.8 C16

#### FOREST DESCRIPTION AND RESOURCES

9192 \*RADOUX, H. Statistique forestière suisse 1941. Jour. Forest. Suisse 94: 158-161. July 1943. 99.8 J82

Statistics of forest area, cuttings, financial returns of public forests, and plantings.

9193 BEHRE, C. E. Forest industry spreads dangerous assumptions on annual growth. Jour. Forestry 42: 17-22. Jan. 1944. 99.8 F768

9194 COALLA, LUIS. El futuro de los bosques de la America tropical. Rev. de Agr. [Dominican Republic] 34: 412. Mar./Apr. 1943. 8 R323

Suggestions for the development of the forest resources of tropical America.

9195 FOREST appraisal project is launched; fact-finding survey of the American Forestry Association to determine the effects of war upon the Nation's forest resources gets under way. Amer. Forests 50: 9-10, 29, 38. Jan. 1944. 99.8 F762

9196 GOEBEL, A. M. Australian forests. Jour. Geog. 43: 18-27. Jan. 1944. 278.8 J82

Describes briefly the forests of Australia, especially New South Wales, with notes on government control and suggestions for reforestation.

9197 THE NORWEGIAN forests under Nazi exploitation; output greatly reduced by sabotage, labour and transportation shortages. Canada Lumberman 63(24): 43. Dec. 15, 1943. 99.81 C16

9198 SOSA, A. H. Sintesis forestal del Estado de Tlaxcala. (Cont.) Mex. Forest. 21: 77-80. Sept./Dec. 1943. 99.9 M57

9199 TIMBER of Latin America, prospects for development. Timberman 45(2): 12-13, 50, 52. Dec. 1943. 99.81 T484

#### Individual Genera and Species

9200 BLISS, E. S. Southwestern oak trees. Jour. Forestry 42: 55-57. Jan. 1944. 99.8 F768

9201 CARVALHO ARAUJO, LUIZ. Bracaatinga. Soc. Brasil. de Agron. Bol. 6: 131-142. June 1943. 9.2 Sol3

Mimosa bracaatinga.

9202 COLLINGWOOD, G. H. Eastern hophornbeam; *Ostrya virginiana*, (Miller) Koch. Amer. Forests 50: 30-31. Jan. 1944. 99.8 F762

9203 GOMEZ MENOR, JUAN. La caoba (*Swietenia mahagoni* (L.) Jacq.). Rev. de Agr. [Dominican Republic] 34: 388-390. Mar./Apr. 1943. 8 R323

9204 KRESGE, C. B. White pine - the wood of a thousand uses. [N. Y.] Essex Co. Farm and Home Bur. News 26(12): 2, 12. Dec. 1943. 275.293 New York, Essex Co.

Eastern white pine.

9205 MANGIERI, HECTOR. El cedro misionero (*Cedrela fissilis* variedad *macrocarpa*). Campo Buenos Aires, 27(324): 28-29, 64. Oct. 1943. 9 C15

9206 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Alerce*, [*Fitzroya cupressoides*]. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 85, 4 p., processed. London, 1943. 99.9 T48

9207 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Canela*. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 81, 3 p., processed. London, 1943. 99.9 T48

*Canela parda* (*Nectandra puberula*) and *canela sassafras* (*Ocotea pretiosa*).

9208 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Greenheart*. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 83, 3 p., processed. London, 1943. 99.9 T48

*Ocotea rodioei*.

9209 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Lignum vitae*. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 86, 4 p., processed. London, 1943. 99.9 T48

*Lignum vitae* (*Guajacum officinale* and *G. sanctum*) and *Maracaibo lignum vitae* (*Bulnesia arborea*).

9210 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Noble fir*. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 84, 3 p., processed. London, 1943. 99.9 T48

9211 TIMBER DEVELOPMENT ASSOCIATION, LTD. *Roble blanco*. Timber Devlpmt. Assoc., Ltd. Timber Leaflet 82, 4 p., processed. London, 1943. 99.9 T48

*Roble blanco* (*Tecoma*, i. e. *Tabebuia pentaphylla*) and *roble* (*Nothofagus obliqua* and spp.).

#### FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Plant Pathology in the Plant Science section; articles on forest insects in the Entomology section.

#### Fire

9212 BERNIER, G. H. Le brûlage des abatis et la protection des forêts contre le feu. Bul. des Agr. 39(5): 22. May 1943. 7 B872

9213 BONEBRAKE, D. B. 100,000 acres burned in year's forest fire toll. W. Va. Conserv. 7(10): 6, 21-22. Jan. 1944. 279.8 W524

9214 \*BORNAND, G. H. Baulmes - incendie de forêt. Jour. Forest. Suisse 94: 169-170. July 1943. 99.8 J82

Report of a forest fire in western Switzerland.

9215 KIENHOLZ, RAYMOND, and SCHREDDER [i.e. SCHREEDER], W. F. Forest fire prevention and control [in Connecticut] 1903-1943. Wooden Nutmeg 19(10): 10-12. Dec. 1943. 99.8 W862

9216 NEWINS, H. S. Fire in woods delays victory. South. Pulp & Paper Jour. 6(7): 12. Dec. 1943. 302.8 So8

9217 PETERSON, C. I. Keep the forests growing. Tenn. Planner 4: 56-60. Nov./Dec. 1943. 280.7 T25T

Deals chiefly with the importance of fire control.

9218 VINSON, CARLOS. Woods, waters, wildlife priceless heritage worth fighting to save. Tenn. Conserv. 8(12): 5-6. Dec. 1943. 410 T252

On the need for community and individual attention to forest fire control.



## FOREST ADMINISTRATION AND MANAGEMENT

- 9219 \*FAVRE, E. Cinquante années d'application de la méthode du contrôle à la forêt de Couvet (Jura neuchâtelois [sic]). III. L'aménagement. Jour. For-est. Suisse 94: 116-122. May 1943. 99.8 J82
- 9220 \*H., J. A. Fredskogfeltet "Storhaugen," Røddas 1 Fauske. Skogbrukeren 18: 117-118, 120. Aug. 2, 1943. 99.8 Sk54
- Management of the protected area "Storhaugen," in northern Norway.
- 9221 KIENHOLZ, RAYMOND. Silviculture and management of the [Connecticut] State forests. Wooden Nutmeg 19(10): 15-16. Dec. 1943. 99.8 W852
- 9222 PEARSON, G. A. Tree classifications. Jour. Forestry 42: 49-51. Jan. 1944. 99.8 F768
- 9223 SCHREEDER, W. F. Acquiring, surveying and typing the [Connecticut] State forests. Wooden Nutmeg 19(10): 9-10. Dec. 1943. 99.8 W852
- 9224 SIMMONS, F. C. Training in marking timber. Jour. Forestry 42: 6-8. Jan. 1944. 99.8F768
- 9225 WILSON, F. G. Thinning a pine plantation. Wis. Conserv. Bul. 8(12): 3-8. Dec. 1943. 279.8 W752

Administration

- 9226 LIEBERMANN, JOSÉ. Un ejemplo digno de ser imitado. Como se cuidan y se administran los bosques en Suecia. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(762): 3-5. Oct. 15, 1943. 287 R71

Farm Woodlands

- 9227 BRECKENRIDGE, W. F. Solving the labor shortage; Yankee ingenuity builds and operates a one-man logging railroad. Amer. Forests 50: 24-25. Jan. 1944. 99.8 F762
- A New Hampshire farmer, with the aid of home-made equipment, is clearing a forty-acre tract of woodland.
- 9228 COPE, J. A. Time savers in the woods. N. Y. Schoharie Co. Farm Bur. News 28(6): 6. Jan. 1944. 275.293 N. Y. Schoharie Co.
- 9229 HUNTER, CARL. Experiences with a shelter-belt. Mont. Farmer 31(9): 5. Jan. 1, 1944. 6 M764
- 9230 OETTMER, W. M. It's up to us. Forest Farmer 3(4): 2. Jan. 1944. 99.8 F7692
- Message of the president to the members of the Forest Farmers Association Cooperative.
- 9231 REEVES, E. A. Windbreaks shelter crops in summer, stock in winter. Wyo. Stockman-Farmer 50(1): 1, 5. Jan. 1944. 6 W992
- 9232 SHERMAN, C. B. Yearly crops from farm woodlands. Better Crops with Plant Food 27(10): 15-16, 39-40. Dec. 1943. 6 B46
- Tells of improved practices brought about through the Otsego Forest Products Cooperative Association.
- 9233 WALDRON, WEBB. If you can't shoulder a gun, get an axe! Paper Mill News 67(1): 17. Jan. 1, 1944. 302.8 P195
- Concerns local pulpwood campaigns.
- 9234 \*WENKE, H. U. Die waldmärkerschaft Uelsen; bericht über aufbau, arbeit und planung von 1938 bis 1942. (Comol.) Deut. Forstwirt 25: 229-230. July 2, 1943. 99.8 D483
- Care and management of farm woodland in Uelsen.

SILVICULTURE

See Items 8679-8687.

LUMBERING

- 9235 BLACKERBY, L. H. Paul Bunyans of the Army. Many western men identified with U. S. Engineers forestry battalion at Camp Claiborne, La. West Coast Lumberman 70(12): 47-48. Dec. 1943. 99.81 W52

- 9236 BRUNDAGE, F. H. Northwest lumber production for war needs. Jour. Forestry 42: 3-5. Jan. 1944. 99.8 F768
- 9237 FRIEND, J. F. The future of West African timber; great scope for expansion to meet post-war demand. African World 165: 213. Dec. 25, 1943. 286.8 Af8
- Advocates use of machinery and building up of reserve stocks.

Equipment

- 9238 SNAG FALLING with hand and power saws. Part II. Power saws. Timberman 45(2): 22, 24, 26, 28. Dec. 1943. 99.81 T484

Logging

- 9239 BENNETT, W. L. How Quebec lumbermen have cut accidents. Pulp and Paper Mag. Canada 44: 946-950. Dec. 1943. 302.8 P96
- 9240 GRABINSKI, PHILIP, and CLARK, E. T. Grabinski's slackline skidder system. West Coast Lumberman 71(1): 14-15, 66. Jan. 1944. 99.81 W52
- 9241 GRONDAL, B. L. Why woods waste? A discussion of why loggers leave seemingly valuable material and a suggestion as to how such logs and debris might be economically recovered. West Coast Lumberman 70(12): 89, 93. Dec. 1943. 99.81 W52
- 9242 \*RIEBEN, ED. Équipes permanentes de bûche-rons. Jour. Forest. Suisse 94: 123-125. May 1943. 99.8 J82
- Advantages of permanent logging crews.
- 9243 U. S. OFFICE OF PRICE ADMINISTRATION. Western contract logging services. Fed. Register 9: 303-304. Jan. 7, 1944. 169 F31
- Maximum Price Regulation 503.

Lumber Industry

- 9244 COMPTON, WILSON. Forest harvest for new year tied to overseas combat. South. Lumberman 168(2106): 38, 40. Jan. 1, 1944. 99.81 So82
- Also in Calif. Lumber Merchant 22(12): 8, 14-15. Jan. 1, 1944. 99.81 C12
- 9245 COMPTON, WILSON. Lumber-at-war enters second phase. South. Lumber Jour. 48(1): 22, 55. Jan. 1944. 99.81 So8
- 9246 GREELEY, W. B. West Coast lumber plans for peace. Miss. Val. Lumberman 75(3): 7-8. Jan. 21, 1944. 99.81 M69

Sawmills

- 9247 DONNY, JOE. A tube-cutter method for making bobbin blanks. South. Lumberman 168(2107): 53-54. Jan. 15, 1944. 99.81 So82
- 9248 PRINCE, J. B., and FELLOWS, E. S. Cost of sawing eastern spruce. Barrel and Box and Packages 48(12): 5-6. Dec. 1943. 99.82 B27
- 9249 WELLBURN, THOMAS. Safety in a small sawmill. West Coast Lumberman 70(12): 58, 60. Dec. 1943. 99.81 W52
- Also, with title "Safety problems of the small mill operator," in Canada Lumberman 63(24): 45-46. Dec. 15, 1943. 99.81 C16

WOOD PROPERTIESChemical and Physical Properties

- 9250 PERCIVAL, E. D. V., and FISHER, H. E. The lignin problem; a review of significant advances in solving a pressing structural puzzle. Pulp and Paper Mag. Canada 45: 17-23. Jan. 1944. Ref., p. 22-23. 302.8 p96
- 9251 SCOTT, M. H. Some West African substitutes for well-known timbers. South African Forestry Assoc. Jour., No. 10, p. 29-39. April 1943. 99.9 So82
- Brief descriptions and suggestions for use of 35 species.



- 9252 TURNBULL, J. M. A systematic basis for wood-uses research. South African Forestry Assoc. Jour., No. 10, p. 51-59. April 1943. 99.9 So82  
Outlines a method for compiling information on the properties of woods and their relevant uses.

#### Preservative Treatment

- 9253 BRYAN, JOHN. The fire hazard. Wood 12: 260-262. Dec. 1943. 99.82 W855

Explains the action of fire upon wood, and some methods of rendering it fire-resistant.

- 9254 \*WAGNER, HANS. Holzschutz ein gebot der stunde. Landesbauernschaft Bayern. Wchnbl., Ausg. A 133(23): 332A. June 5, 1943. 18 B34W  
Preservation of wood to protect it from fungi.

#### Seasoning and Conditioning

- 9255 HELGUERA, GREGORIO. Desecación de maderas. Campo y Arados 7(81): 11, 30. Nov. 1943. 9.9 C152

- 9256 HODGE, R. E. Hygrometers in timber-drying kilns. Wood 12: 270. Dec. 1943. 99.82 W855

- 9257 SMITH, H. S. Kiln drying schedule in aspen boxing and crating lumber. Barrel and Box and Packages 49(1): 8-10. Jan. 1944. 99.82 B27

- 9258 TIEMANN, H. D. How wood behaves in drying. 4. Moisture movement in pervious and impervious wood. South. Lumberman 168(2107): 47-48. Jan. 15, 1944. 99.81 So82

#### WOOD UTILIZATION

- 9259 BONNEY, THERÈSE. Swedes solve feed shortage with wood-conversion products; suffer 25% milk loss but maintain energy levels with mandatory substitute. [Abridged.] Food Mater. and Equip. 3(12): 15. Dec. 30, 1943. 389.8 F7393

- 9260 BURPEE, C. M. Tie industry acquitted itself well in 1943 under existing circumstances; production beset by many troubles, and 1944 outlook held far from encouraging. Cross Tie Bul. 25(1): 10, 12, 15. Jan. 1944. 99.82 C87

- 9261 DOSKER, C. D. Successful lamination of wood means much to industry; type of glue, species of wood and technique call for special attention. Canada Lumberman 64(2): 12-14. Jan. 15, 1944. 99.81 C16

- 9262 EMMETT, J. A. Laminated construction in boat building. Veneers and Plywood 38(1): 16, 18. Jan. 1944. 99.82 V55

- 9263 HOWARD, SIR HERBERT. India's forest services and the war. A million tons of timber supplied annually. Indian Inform. 13: 185-188. Oct. 15, 1943. 280.8 In25

What forestry is and what Indian forests and foresters have contributed to the war effort.

- 9264 MONTAGNES, JAMES. This is the Mesquito! The Nazis are feeling the lethal sting of the world's fastest bomber - a product of wood. Amer. Forests 50: 14-15, 45-46. Jan. 1944. 99.8 F762

- 9265 SCHUEZ, W. A. Flood-proof all-wood towers support 132-kv. river span. Elect. World 121: 73-74. Jan. 8, 1944. 335.8 F12

- 9266 SHEPARD, W. C. Forest products from [Connecticut] State forests - 1903-1943. Wooden Nutmeg 19(10): 12-14. Dec. 1943. 99.8 W852

- 9267 STEPHAN, J. T. New method of applying heat in bonding beam laminations; immersion in boiling water or steaming found to be effective. Canada Lumberman 64(2): 15. Jan. 15, 1944. 99.81 C16

- 9268 U. S. FOREST SERVICE. FOREST PRODUCTS LABORATORY. Wood flour; the latest facts on its manufacture and use and the status of the industry. Barrel and Box and Packages 49(1): 13-14. Jan. 1944. 99.82 B27

- 9269 WALLACE, J. J. Use of wood in aircraft design and construction. Part II. Aero Digest 44(1): 78-79, 83, 139, 141-142. Jan. 1, 1944. 333.8 A882

#### Adhesives

- 9270 STEPHAN, J. T. Cold process gluing at winter temperatures. Wood Prod. 49(1): 36. Jan. 1944. 99.82 W857

#### Barrels, Boxes, and Crates

- 9271 HANKERSON, F. P. Cooperage on the Washington front. Natl. Coopers' Jour. 59: 188. Dec. 1943. 99.82 N21

Information on regulations affecting the industry.

- 9272 WAGNER, J. B. The tight barrel. Barrel and Box and Packages 48(12): 12-14. Dec. 1943. 99.82 B27

#### Building Construction

- 9273 BOUGHTON, R. V. Timber and prefabrication. Wood 12: 268-269. Dec. 1943. 99.82 W855

Considers the place of wood in the foundations of prefabricated structures.

- 9274 HANRAHAN, F. J. Emergency specifications for lumber. Engin. News-Rec. 132: 48-49. Jan. 13, 1944. 290.8 En34

Analysis of War Production Board Directive 29 and Specifications which instituted a mandatory horizontal increase of 20 percent in the allowable working stresses for structural lumber and its fastenings for buildings.

#### Furniture

- 9275 FOX, A. M. Hardwood for the furniture industry; difficult situation demands resourcefulness. Furniture Mfr. 59(1): 24, 32. Jan. 1944. 300.8 F982

#### Plastics

- 9276 FORBES, LYMAN. New plastic-faced wood. Wood Prod. 49(1): 30. Jan. 1944. 99.82 W857

- 9277 FRIEDMAN, LEO, EZELL, A. I., and ENGLERT, R. D. Sawdust plaster project. Timberman 45(2): 78, 80. Dec. 1943. 99.81 T484

Report of experiments made at Oregon Forest Products Research Laboratory.

- 9278 SAWDUST cement (Part 2). Wood 12: 271-272. Dec. 1943. 99.82 W855

- 9279 WALLACE, R. G. The hardboard industry and America's future. Calif. Lumber Merchant 22(12): 5. Jan. 1, 1944. 99.81 C12

Uses of wood plastics and pressed wood.

#### Pulp and Paper

- 9280 BROWN, B. F., JR. Some questions on rosin sizing of paperboard. Pacific Pulp & Paper 18(1): 23-26. Jan. 1944. 302.8 P11

- 9281 CLARK, J. D'A. The ultimate strength of pulp fibers and the zero-span tensile test. Paper Trade Jour. 118(TAPPI Sect.): 1-6. Jan. 6, 1944. 302.8 P196

- 9282 COCKRELL, R. A. The role of fibreboard in the packaging of war material. Fibre Containers 28(12): 122-124. Dec. 1943. 286.8 T44

- 9283 COTTRALL, L. G., and GARTSHORE, J. L. Evaluation of chemical pulps. (Cont.) World's Paper Trade Rev. 121(Tech.Supp): 1-4. Jan. 7, 1944. 302.8 W89

- 9284 DAVIS, D. S. Surface nomograph for pulp. Paper Indus. and Paper World 26: 1109. Jan. 1944. 302.8 P1923

- 9285 HATCH, R. S. The waste sulphite liquor problem. Pacific Pulp & Paper Indus. 18(1): 11-13. Jan. 1944. 302.8 P11



9286 KELLOGG, PAUL. The pulp and paper industry, the currency of civilization. Pulp and Paper Mag. Canada 44: 921-926. Dec. 1943. 302.8 P96

9287 MARTIN, J. S. Sulfate pulping of mixtures of selected southern hardwoods, southern yellow pine. South. Pulp & Paper Jour. 6(7): 13-18. Dec. 1943. 302.8 So8

9288 MILLER, L. B. Process water used in the manufacture of fine paper. Paper Trade Jour. 117 (TAPPI Sect.): 279-281. Dec. 30, 1943. 302.8 P196

9289 PORTER, EARL. "Pulpwood at war" tours State, educational program visits nine communities in plea for more wood. Ala. Conserv. 15(7): 7, 13. Jan. 1944. 279.8 A11

9290 REIFF, F., and SOHN, A. W. Die herstellung von zellstoff aus lignit. Natriumchlorit als aufschlussmittel III. Papier-Fabrik., Heft 3, p. 83-85. June 1943. 302.8 P197

9291 ROSTEN, M. M. A new age in agriculture and forestry. Paper Mill News 66(43): 60, 62. Oct. 23, 1943. 302.8 P195

On the production of alcohol from waste sulfite liquor.

9292 SMITH, E. H., and KELLOGG, PAUL. Reflections and prospects; wood shortage hampered pulp and paper industry during 1943, affecting output and post-war outlook. Pulp and Paper Mag. Canada 45: 8-9. Jan. 1944. 302.8 P96

9293 SMITH, R. H. Steam and electric power coordinated to speed log debarking. Paper Indus. and Paper World 25: 1105-1108. Jan. 1944. 302.8 P1923

Describes equipment and process used at the Weyerhaeuser Timber Company at its Pulp Division in Everett, Wash.

9294 STEVENSON, L. T. The new pulp allocation plan. South. Pulp and Paper Jour., Jan. 15, 1944, p. 15. 302.8 So8

9295 TRAUQUAIR, JOHN. Cellulose in 1944. Chemurg. Digest 3: 15-18. Jan. 15, 1944. 361 N213Na

On the sources of cellulose supply, particularly wood pulp.

9296 U. S. BUREAU OF THE CENSUS. Census pulp, paper and paperboard. Paper Mill News 67(2): 14, 16-18, 21. Jan. 8, 1944. 302.8 P195

Statistics of production and consumption for 1941 and 1942, and record of total paper and paperboard production, 1929-42.

9297 ZELLERBACH, H. L. A discussion of the paper shortage. Pacific Pulp & Paper Indus. 17(12): 26-27. Dec. 1943. 302.8 P11

#### Tanning Materials

9298 KUBELKA, VÁCLAV, and MASNER, LIBOSLAV. Beitrag zur sulfittierenden extraktion der fichtenrinde. Collegium, No. 874, p. 33-59. Apr. 29, 1943. 303.8 C67

9299 QUINONES, L. R., and PUNCOCHAR, J. F. Informe preliminar sobre la utilización practica de la corteza del mangle. U. S. Forest Serv. Caribbean Forester 5: 44-47. Oct. 1943. 1.9622 T2C23

Whisophora mangle, American mangrove, was the chief subject of this study.

#### Veneers and Plywood

9300 THE COMING of plywood. A revolution in the utilization of timber. Nature [London] 152: 651-653 Dec. 4, 1943. 472 M21

9301 HYLER, J. E. Processing veneer into packages. Veneers and Plywood 38(1): 22, 24. Jan. 1944. 99.82 V65

9302 MOSHER, F. D. The outlook for plywood. Over 800 new uses are skyrocketing plywood into a \$100,000,000 post-war industry. Forbes 53: 18-19. Jan. 1, 1944. 280.8 P74

9303 MUHLENBRUCH, C. W. Veneers for victory. Carnegie Mag. 17: 209-214. Dec. 1943. 500 C213

New uses of plywood.

9304 NORTON, A. J. Plywood, plastics and light metals. West Coast Lumberman 71(1): 50. Jan. 1944. 99.81 W52

9305 OTTINGER, LAWRENCE. Plywood outlook for 1944. Wood Prod. 49(1): 18, 46. Jan. 1944. 99.82 W857

9306 YOUNG, H. W. High frequency current speeds production of plywood; pressing time reduced and charring, blistering and checking eliminated. Canada Lumberman 63(24): 33-35. Dec. 15, 1943. 99.81 C16

#### Wood as Fuel

9307 BRATTON, A. W. Domestic sawdust burners. Conn. Woodlands 9(1): 13-14. Jan. 1944. 99.8 C76

9308 RIEBEN, ED. A propos du bois carburant. Jour. Forest. Suisse 94: 153-157. July 1943. 99.8 J82

#### MISCELLANEOUS

9309 HAWES, A. F. Why [Connecticut] State forests are where they are. Wooden Nutmeg 19(10): 7-9. Dec. 1943. 99.8 W852

9310 KELKER, G. H. A course in "winter woodcraft." Jour. Wildlife Managt. 8: 81-83. Jan. 1944. Refs., p. 82-83. 410 J827

Topical outline of course given at Utah State Agricultural College in 1942.

9311 MULFORD, WALTER. Early days of the [Connecticut] State forester. Wooden Nutmeg 19(10): 2-3. Dec. 1943. 99.8 W852

#### Engineering

9312 SEIGWORTH, K. J. Portable lookout mapping tower. Jour. Forestry 42: 54-55. Jan. 1944. 99.8 F768

#### Forest Influences

9313 BARRERA, RAMÓN DE LA. El problema forestal desde su origen. Mex. Forest. 21: 65-72. Sept./Dec. 1943. 99.9 M57

The importance of trees and forests, as expressed in literature throughout the ages.

9314 LIEBERMANN. El arbol en la economia rural. Agr. Costarricense 1: 29-32. June 1943. 6 Ag895

9315 MCNULTY, E. F. The "Farragut Forest"; it helps build fighting men in northern Idaho. Amer. Forests 50: 11. Jan. 1944. 99.8 F762

Benefits to health and morale of trainees from the forests adjoining the Farragut Naval Training Station

9316 WINCH, E. C. The [Connecticut] State forests and recreation. Wooden Nutmeg 19(10): 17-18. Dec. 1943. 99.8 W852

#### Wildlife

9317 BISHOP, J. S. Wildlife on [Connecticut] State forests. Wooden Nutmeg 19(10): 16-17. Dec. 1943. 99.8 W852

9318 CURTIS, J. D. Appraisal of porcupine damage. Jour. Wildlife Managt. 8: 88-91. Jan. 1944. 410 J827

9319 GUT, CH. Contre la frayure du chevreuil. Jour. Forest. Suisse 94: 168-169. July 1943. 99.8 J82

Describes method for protecting young trees from scraping by roebucks.

9320 LATHAM, R. M. Our deer - past, present and future. Pa. Game News 14(9): 4-5, 26-27. Dec. 1943. 412.9 P38Pe

Discusses the need for reduction of the present large herd of white-tailed deer in Pennsylvania to reduce detrimental effects on forests and agricultural crops.



- 9321 LUTZ, H. J., and CHAPMAN, H. H. Injuries to young tree trunks from antler rubbing by deer. Jour. Wildlife Managt. 8: 80-81. Jan. 1944. 410 J827
- 9322 PRIAULX, A. W. The boomer - a woodland Tojo. Amer. Forests 50: 22-23. Jan. 1944. 99.8 F762
- Damage to young trees by the "mountain beaver," Aplodontia.

## ANIMAL INDUSTRY

## BREEDS AND BREEDING

- 9323 CANTERBURY AGRICULTURAL COLLEGE, LINCOLN. Future aims in animal breeding. Canterbury Chamber Com. Agr. Bul. 173, 4 p. Christchurch, New Zeal., 1943. 23 C162
- 9324 CARTER, R. C. Systems of animal breeding. I: Selection. East. Breeder 5(9): 43-46. Feb. 1944. 49 V81
- 9325 \*COGHO. Die tierzucht im Ostland. Deut. Landw. Tierzucht 46: 417-420. Dec. 19, 1942. 49 D48
- 9326 DONALD, M. N. Inheritance in livestock. Dairy Goat Jour. 21 (11): 11-12. Jan. 1944. 40.18 M592
- 9327 HORLACHER, W. R. Germ plasma--our greatest resource for livestock. Breeder's Gaz. 109(1): 5, 20-21. Jan. 1944. 49 B74
- 9328 HUDSON, R. S. British live stock breeding policies and programs. Scot. Farmer 51: 1231. Dec. 18, 1943. 10 Sco8
- 9329 JONES, D. F. Crossbreeding increases production. Country Book 3(3): 19-25. Winter 1944. 6 C836
- Crossbreeding of livestock advocated, using hybrid corn as an example.
- 9330 LITTON, G. W. Swivel chair (animal) genetics. East. Breeder 5(9): 34-37. Feb. 1944. 49 V81
- 9331 ORTIZ BORBÓN, FERNANDO. La inseminación artificial. Agr. Costarricense 1(1): 44-45. June 1943. 8 Ag895
- 9332 \*OSTERKAMP, B. Um den fortschritt in der tierzucht. Deut. Landwirt. Tierzucht 46: 257-260. July 4, 1942. 49 D48
- Reply by O. Bührig in Deut. Landwirt. Tierzucht 46: 309-311, Aug. 29, 1942 and comments by H. Vogel, 47: 9-11, Jan. 9, 1943.
- 9333 MORA PÉREZ, FAUSTO. Fecundación artificial en los animales. Agr. Mex. 59(10): 4-5. Oct. 1943. 8 Ag8
- 9334 REID, DAVID. Vast home market for live stock needed to improve quality. Farmer & Stock-Breeder 57: 1952. Dec. 14, 1943. 10 F228

## FEEDS AND FEEDING

- 9335 AIRD, J. A., and BEATTIE, R. H. Pyramid Hill pasture competition, 1943. Victoria. Dept. Agr. Jour. 41: 571-574. Dec. 1943. 23 V66J
- 9336 ANDREWS, F.E. Ways to save feed. N.H. Breeder 6(4): 31. Dec. 1943. 47.8 N45
- 9337 BAUERNFEIND, J. C., and others. Nutrient content of alcohol fermentation by-products from corn. Indus. and Engin. Chem., Indus. Ed. 36: 76-78. Jan. 1944. 381 J825
- J. C. Garey, W. Baumgarten, L. Stone, and C. S. Boruff, joint authors.
- 9338 \*BENEDIKTOV, I. Primernye zootekhnicheskie i veterinarnye pravila po ukhodu, soderzhanii i kormleniiu rabochego i produktivnogo skota. Approved scientific and veterinary practice in the care, management, and feeding of livestock. Veterinaria 19(10): 1-5. Oct. 1942. 41.8 V6426

- 9339 BENNETT, H. W. Supplemental grazing, hay, crop program. Farm for Victory, Dec. 1943, p. 12. 261.8 F226
- 9340 BETHKE, R. M. Substitutions for war-scarce feed stuffs. Grain and Feed Jour. Consolidated 91: 527. Dec. 22, 1943. 298.8 G762
- 9341 BOHSTEDT, GUS. German farmers are feeding waste material to stretch feed supplies. Feed Bag 20(1): 42, 78. Jan. 1944. 389.79 F32
- 9342 BURROUGHS, E. W. Making substitutions for proteins in scarce feedstuffs is problem in nutrition. Feed Bag 20(1): 47-48. Jan. 1944. 389.79 F32
- 9343 CLIFFE, A. E. Wheat germ oil, the properties...and the importance of its place in animal nutrition. Canad. Milling and Feed 25(1): 16-17, 20. Jan. 1944. 298.8 C162
- 9344 COOP, I. E., and SEARS, P. D. Effect of time of shutting and stage of growth for hay and silage on pasture-production. New Zeal. Jour. Sci. and Technol. 24: 303A-316A. Apr. 1943. 514 N48
- 9345 EDWARDS, F. R., and MASSEY, Z. A. Peanut meal in livestock production. Grain and Feed Jour. Consolidated 91: 526. Dec. 22, 1943. 298.8 G762
- 9346 FIERO, KENNETH. Range management for maximum forage production. Cattleman 30(8): 62-63. Jan. 1944. 49 C29
- 9347 FRENCH, M. H. Feeding values analyzed, of stover from maize, millet and bulrush millet. East African Agr. Jour. 9: 88-89. Oct. 1943. 24 Ea74
- 9348 GEINITZ, A. Reichliche versorgung unserer tiere mit mineralstoffen im winter. Deut. Landw. Tierzucht 47: 12. Jan. 9, 1943. 49 D48
- 9349 GOBECIA S. A. INDUSTRIAL, COMERCIAL. La soja. (Cont.) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1624): 28-32. Nov. 13, 1943. 287 B866
- Value in animal nutrition.
- 9350 HART, D. H. Winter plans summer pasture. Checkerboard News 6(1): 6-7, 17. Jan./Feb. 1944. 389.78 C41
- 9351 \*HENKELMANN, W. Bedeutung, stand und förderung des futter-zwischenfruchtbaues. Forschungs-dienst 14: 263-293. 1942. 241 D48F
- 9352 HUIDOBRO, A. C. G. Mejores pastos; necesidad de un empleo racional de plantas forrajeras y de concentrados adecuados para saldar nuestros déficit de carne y leche. Campesino, Santiago, Chile, 75: 609, 614. Oct. 1943. 9.3 Sol2
- 9353 \*HUSBY, M. Oppsamling og utnyttelse av kjøkkenavfall til fôr. Norsk Landbruk 9: 148-150. May 28, 1943. 11 N8122
- On the use of garbage as feed.
- 9354 JACKSON, L. S. The feed dealers look at livestock - and feeds. Oreg. Dept. Agr. Agr. Bul. 140, p. 9, 23, 40. Dec. 1943. 2 Or3
- 9355 JOHNSTON, J. B. Livestock must have vitamins. Amer. Hereford Jour. 34(17): 44, 46, 48. Jan. 1, 1944. 43.8 Am32
- 9356 KAUFFMAN, ERLE. How is the range holding up? With herds increasing, immediate action to restore livestock-forage balance will keep the western grazing lands producing for victory. Amer. Forests 50: 16-17. Jan. 1944. 99.8 F762
- 9357 LOEFFEL, W. J. Feeds for lambs and swine, to fit your needs. Nebr. Farmer 86(2): 5. Jan. 15, 1944. 6 N27
- 9358 LUSH, R.H., and SMALLEY, H.R. Food, feed and fertilizer. Natl. Fertilizer Assoc. Pam. 137, 15p. Washington, 1943. 57.9 N212P
- 9359 MCCREERY, N. R. Western twins in national production. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 49, 60. Jan. 1, 1944. 6 R153
- The Colorado feeder, by using sugar-beet byproducts competes successfully with the Corn Belt feeder.



- 9360 MONTEDONICO, L. A. Plan de explotación forrajera en relación a las necesidades del consumo de la Sección Campos de Práctica y Experimentación. Montevideo Univ., Facult. de Agron. Rev. No. 31, p. 43-53. Feb. 1943. 102.5 M76R
- An experiment with dairy cattle, sheep, and swine to determine the feeding value of forage in Uruguay.
- 9361 NATIONAL COTTONSEED PRODUCTS ASSOCIATION, INC. 1944 feeding practices. Natl. Cottonseed Prod. Assoc., Inc. Bul. 21, 40 p. Dallas, Tex. 72.9 N213
- 9362 NORRIS, L. C. Analyzing the feed problem. Flour & Feed 44(8): 24. Jan. 1944. 298.8 F66
- Mainly a discussion of feed in relation to supply.
- 9363 OSPINA, GERMAN. La sal y las mezclas minerales para el ganado. (Cont.) Agronomía [Habana, 3: 187-188. Nov. 1943. 8 C893
- 9364 RICHARDSON, W. S. L'ensilage des graminées et des légumineuses. Bul. des Agr. 40(1): 13. 23. Jan. 1944. 7 B872
- 9365 SHAW, A. O. What to do for grain shortages. Prog. Farmer. Car.-Va. Ed. 59(1): 12. Jan. 1944. 6 P945
- Use efficiently and increase yields of native feeds.
- 9366 SNIDER, H. J. Feeding value of corn stover. Hoard's Dairyman 89: 20. Jan. 10, 1944. 44.8 H65
- 9367 STEVENS, O. A. Use of screenings for feed [for livestock]. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(2): 11-14. Nov. 1943. 100 N813B
- 9368 TORRES, SYLVIO. Os alimentos. Soc. Bras. de Med. Vet. Bol. 12: 121-150. Sept. 1943. 41.9 Sol4
- 9369 TRUAX, HARRY. Tips on stretching the feed to conserve, supply. Grain & Feed Jours. Consolidated 92(1): 40. Jan. 12, 1944. 298.8 G762
- 9370 TUSTIN, E. B. The salt requirements of livestock. Pa. Farmer 130: 48-49. Jan. 22, 1944. 5 P383
- Also in New England Homestead 117(1): 8. Jan. 8, 1944. 6 N442
- 9371 WARD, A. L. Calcium carbonate in oil meals. Grain & Feed Jours. Consolidated 92(1): 39. Jan. 12, 1944. 298.8 G762
- 9372 WATTS, L. F. Denver front door to ranges. Rec. Stockman 54(52, 1944 Ann. Ed.): 57-58. Dec. 30, 1943. 49 D43
- 9373 \*WILKE, SIEGFRIED, and LEHMANN, ERICH. Wirtschaftliche betrachtungen zur gewinning von futterzellsstoff aus kartoffelkraut. Forschungsdienst 14: 249-263. 1942. 241 D48F
- 9374 WRIGHT, K. T. How's your feed supply? Mich. Farmer 201, i.e. 202(12): 8. Dec. 18, 1943. 6 M58

## INSPECTION AND QUARANTINE

- 9375 GOW, R. M. Disease prevention programs important. Rec. Stockman 54(52, 1944 Ann. Ed.): 126-128. Dec. 30, 1943. 49 D43
- Regulation and inspection of livestock in Colorado.
- 9376 \*KEHREN. Zur frühjahrshauptprüfung in Luxemburg. Deut. Landwirt. Tierzucht 47: 45-47. Feb. 13, 1943. 49 D48
- Inspection of sires in connection with breeding of livestock.
- 9377 \*LÜTHGE, H. Die durchführung des reichstierzuchtgesetzes im kriegsjahr 1943. Deut. Landwirt. Tierzucht 47: 42. Feb. 6, 1943. 49 D48
- 9378 \*MENZEL. Hausschlachtungsregelung 1943/44. Mitt. f. die Landw. 58: 528. July 3, 1943. 18 D48M
- Explains Government regulation of June 28, 1943.

- 9379 \*SARMINSKIĬ, N. E. Zoovetpravilazakon pri zimnem soderzhanii zhivotnykh [Livestock regulations-law for winter care of animals]. Veterinariia 19(10): 11-12. Oct. 1942. 41.8 V6426

## VETERINARY MEDICINE

- 9380 AULT, C. N. La necesidad de tratamientos precisos en las enfermedades parasitarias. Agr. y Ganad. 19(2): 14-15, 18-23. Dec. 31, 1943. 8 Ag854
- 9381 \*BAUMAN, V. K. Opyt lecheniia brutselleznykh zhivotnykh rivanolom [Experiments in treating brucellosis in animals with rivanol]. Veterinariia 19(10): 22-26. Oct. 1942. 41.8 V6426
- 9382 BECKWITH, T. D., FLEMING, W. C., and WILLIAMS, ADRIENNE. Repair of the tooth and paradentium in the guinea pig, rabbit, and cat. Calif. Univ. Pubs. Microbiol. 1: 1-64. Jan. 14, 1943. 500 C125M
- 9383 CAMARGO, FERNANDO. Livestock sanitary service of Mexico. Amer. Vet. Med. Assoc. Jour. 104: 2-3. Jan. 1944. 41.8 Am3
- 9384 CASALS, J., and WEBSTER, L. T. Relationship of the virus of louping ill in sheep and the virus of Russian spring-summer encephalitis in man. Jour. Expt. Med. 79: 45-63. Jan. 1, 1944. 448.8 J822
- 9385 CASOS, G. A. Hidatidosis o equinococosis. Campo [Buenos Aires] 27(324): 8-9, 15, 62. Oct. 1943. 9 C15
- 9386 CROSS, S. I. Nodular worms in sheep, grubs in cattle and methods for controlling them. Iowa Vet. 15(1): 6-7, 16, 26-27. Jan./Feb. 1944. 41.8 Io9
- 9387 CUNHA, RAYMUNDO. Relação imunológica entre o virus da encefalomielite equina, isolado na Baía, e o virus rábico. Brazil. Min. da Agr. Bol. 31(10): 1-2. Oct. 1942. 9.2 Ag83
- 9388 DAMONTE, F. R., and CAMBEROS, HÉCTOR. La sueroterapia específica en el tratamiento del tétanos. Gac. Vet. 5: 144-155. May/June 1945. 41.8 G112
- 9389 \*DEGTIAREV, G. V. Lechenie ran [Treatment of wounds]. Veterinariia 19(8/9): 4-10. Aug./Sept. 1942. 41.8 V6426
- 9390 \*DEGTIAREV, G. V. Opyt raboty N--akogo AVL Sev.-zap. fronta za 7 mesiatsev voiny [Experiments of the N-- army veterinary hospital on the northwestern front during 7 months of the war]. Veterinariia 19(8/9): 43-45. Aug./Sept. 1942. 41.8 V6426
- 9391 DURÁN, J. J. Como se administran los medicamentos. Agr. Mex. 59(10): 8-9. Oct. 1943. 8 Ag8
- 9392 EIGENFELD, D. D., and SCHLESINGER, C. J. An improved flotation method for the recovery of ova from feces. Amer. Vet. Med. Assoc. Jour. 104: 26. Jan. 1944. 41.8 Am3
- 9393 \*ERKOL, MACIT. Süt hormonlarinin süt ifrazı üzerine tesiri. Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 135, 79 p. Ankara, 1943. Ref., p. 23-32. 25 An4
- German summary.
- Effect of hormones on milk secretion.
- 9394 FAIRBANKS, B. W., and KRIDER, J. L. Factors involved in the synthesis of vitamins in the ruminant. North Amer. Vet. 25: 22-25, 97-100. Jan., Feb. 1944. 41.8 N812
- 9395 \*HJÄRRE, A. Om sternalpunktion och den normala benmärgsbilden hos husdjuren (Sternal puncture and the normal bone-marrow picture in domestic animals). Skand. Vet. Tidkr. 33: 457-472. Aug. 1943. 41.8 Sk1
- German and English summaries.
- 9396 HOPKINS, A. G. Reminiscences of a western Canadian veterinarian. Canad. Jour. Compar. Med. 7: 353-355. Dec. 1943. 41.8 C162
- 9397 \*IVANOVSKIĬ, V. A. Blizhaishie zadachi vetrabotnikov [Immediate problems of veterinary workers]. Veterinariia 19(10): 6-11. Oct. 1942. 41.8 V6426



0398 KUBES, VLADIMIR, and GALLIA, FRANCISCO. La cerebro-neutralización, nueva reacción biológica para el virus rábico. Su relación con la prueba de protección y la sero-neutralización (Brain-tissue neutralization, a new biological reaction for rabies virus. Its relation to the protection and serum-neutralization tests). Venezuela. Min. de Agr. y Cria. Dir. de Ganad. Inst. de Invest. Vet. Bol. 1: 105-152. June 1943. 41.9 V552

English summary.

9399 LADWIG, VAYLORD. Anthrax in Iowa. Vet. Student 6: 79-80, 97-98, 100. Fall 1943. 41.8 V6425

9400 LAMOND, H. G. Emasculation of the male. Live Stock Bul., Nov. 1, 1943, p. 2; Dec. 1, 1943, p. 2. 25 F222

9401 \*LEHNERT, EDWIN. Vissa veterinärmedicinska skyddseras effekt, bedömd efter de resultat, som uppnåtts i praktiken. (Fölsjuka-, kvark-, svinpasteurella-, pyogenes- och sårserum.) Skand. Vet. Tidskr. 33: 129-160. Mar. 1943. 41.8 Sk1

English summary: The effect of certain protective sera judged from the practical results that have been obtained in veterinary medicine. (Foal disease-, strangles-, swine-pasteurella-, pyogenes- and wound-serum.)

9402 \*LEKAREV, V. M. Veterinarnia khirurgiia u otechestvennoi voine [Veterinary surgery in wartime]. Veterinariia 19(8/9): 1-3. Aug./Sept. 1942. 41.8 V6426

9403 LITTLE, W. H. Fern (braken) [sic] and fern poisoning. Oreg. Dept. Agr. Agr. Bul. 140, p. 8, 31. Dec. 1943. 2 Or3

9404 MERCHANT, I. A. Timely contributions of veterinarians to public health. Iowa Vet. 15(1): 5, 13-16. Jan./Feb. 1944. 41.8 Io9

9405 MEZEY, K. Phytolacca australis - "guaba." Estudio toxicológico y farmacodinámico. Rev. de Med. Vet. Bogotá, 12: 101-107. July/Dec. 1943. 41.8 R3214

Experiments on pokeberry poisoning in animals.

9406 MORRILL, C. C. Tetanus in baby pigs and lambs. North Amer. Vet. 25: 52-53. Jan. 1944. 41.8 N812

9407 MURRAY, CHARLES. Retrospection. Vet. Student 6: 73-74, 100-101. Fall 1943. 41.8 V6425  
History of the Veterinary Division of Iowa State College, the oldest State veterinary school.

9408 NATIONAL RESEARCH COUNCIL. COMMITTEE ON ANIMAL HEALTH. Report No. 1. Recommendations for prevention of bloat in cattle and sheep. Amer. Vet. Med. Assoc. Jour. 103: 294-296. Nov. 1943. 41.8 Am5

"Prepared by H. H. Cole, Chairman, subcommittee, R. S. Amadon, R. W. Dougherty, Dwight Espe, Carl G. Huffman, T. M. Olson, A. F. Schalk."

Reprinted as Natl. Res. Council. Reprint and Cir. Ser. No. 119. Nov. 1943. 330.9 N21R

9409 PACE, ROMEU. Algo sobre a raiva dos herbívoros no Brasil. Soc. Bras. de Med. Vet. Bol. 12: 99-107. Sept. 1943. 41.9 Sol4

Review of reported outbreaks, and role of bats as vectors.

9410 PAZ ARRIEGA, E. Los problemas de la ganadería. Aborto contagioso. Rev. Agr. y Pecuaria 3(21/22): 7-9. Aug./Sept. 1943. 9.4 B325

9411 PIERSE, R. R. Aspects of interest to the modern veterinary practitioner. Vet. Rec. 55: 387-391. Oct. 23, 1943. 41.8 V641

Discussion of various livestock diseases.

9412 ROGICK, F. A. Defesa sanitária animal. Soc. Bras. de Med. Vet. Bol. 12: 109-119. Sept. 1943. 41.9 Sol4

9413 STAMP, J. T. Congenital atresia of the ileum and colon. Vet. Jour. 99: 308-310. Dec. 1943. 41.8 V643

9414 STEYN, D. G. "Vermeersiekte" in stock. Farming in So. Africa 18: 747-754, 758. Oct. 1943. 24 So842

Caused by eating various species of Geigeria.

9415 \*STRUGGER, S., and HILBRICH, P. Die fluoreszenzmikroskopische unterscheidung lebender und toter bakterienzellen mit hilfe der skridinorange-färbung. Deut. Tierärztl. Wchnschr. 50: 121-130. Mar. 14, 1942. 41.8 D482

9416 TREMAN, H. B., and KINGREY, B. W. Surgery in the field. Vet. Student 6: 75, 102, 104. Fall 1943. 41.8 V6425

Advantages, in large animal practice, of operating indoors with proper equipment.

9417 \*\*TSUBAKI, S. Studies in hydrophobia. I. Cultivation of stabilized hydrophobia virus on fertilized hen's eggs. Saikingaku Zasshi (Journ. Bact.) No. 544, p. 423-424. 1941.

Abs. in Far East. Sci. Bul. 3: 34. Sept. 1943. 475 Or4

9418 WHAT the veterinarian needs to know about vitamin A. Amer. Vet. Med. Assoc. Jour. 104: 36-40. Jan. 1944. 41.8 Am5

I. For livestock, by G. H. Hart; II. For poultry, by G. D. Carpenter; III. For small animals, by M. L. Morris.

Diagnosis and treatment of vitamin A deficiency diseases.

9419 WRIGHT, NORMAN. Some common diseases of horses and cattle in Saskatchewan. Saskatchewan Univ. Col. Agr. Agr. Ext. Bul. 115, 16 p. Saskatoon, 1943. 7 Sa76A

#### MISCELLANEOUS

9420 ANGELL, G. N. Old ewes; new money. Idaho Farmer 62(1): 3. Jan. 6, 1944. 6 G282

Describes a livestock farm in southern Idaho.

9421 BARRON, R. L. Vocational training; builder of future stockmen. Coastal Cattleman 9(12): 16, 18. Feb. 1944. 43.8 C63

9422 BELDEN, C. J. A 'blitz' for Don Coyote. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 15, 62. Jan. 1, 1944. 6 R153

Includes hunting by airplane.

9423 FITZGERALD, O. A. Every hand against him, the amazing coyote. Country Gent. 114(2): 17, 58-59. Feb. 1944. 6 C833

9424 GARCIA MATA, ENRIQUE. Importancia de los servicios técnicos de la Dirección de Ganadería. Inst. Agr. Argentino. Reseñas 3(20): 7-11. 1943. 281.9 B862

9425 GEISLER, G. N. Switching to livestock farm, for permanence. Dakota Farmer 64(1): 10. Jan. 8, 1944. 6 D14

Stresses advantages of pasture rotation system.

9426 HARTUNG, A. M. Camels once used as pack animals in Southwest...but...found impractical due to rough terrain. Cattleman 30(8): 29-30. Jan. 1944. 49 C29

9427 HEIT, W. S. Rat blitz. N. Y., Greene Co. Farm Bur. News 27(4): 3. Dec. 1943. 275.293 N. Y., Greene Co.

9428 HOOPER, J. A. Utah's bounty law. Natl. Wool Grower 34(1): 24. Jan. 1944. 45.8 H21N

9429 MCFARLAND, ELLIS. Post war planning for live stock shows. (To be cont.) Aberdeen-Angus Jour. 25(6): 158. Jan. 1944. 43.8 Ab3

9430 REED, O. E. Livestock rehabilitation in Europe. Hoard's Dairyman 89: 42-43. Jan. 25, 1944. 44.8 H65

9431 ROSAS, V. R. Explotación del ganado en tierra caliente. Vida Rural 5(51): 33-34. Oct. 1943. 9.4 V66



9432 \*TASHMUKHAMEDOV U. Soveshchanie po zhi-  
votnovodstvu i veterinarii v Narkomzeme SSSR [Confer-  
ence on animal husbandry and veterinary medicine at  
the People's Commissariat of Agriculture, U.S.S.R.].  
Veterinariia 19(8/9): 45-48. Aug./Sept. 1942.  
41.8 V6426

9433 XII. EXPOSICION internacional de ganaderia  
...inaugurada en Palermo el 21 de Agosto de 1943.  
Soc. Rural Argentina. An., v. 77, No. 8, 332 p. Aug.  
1943. 9 Sol

Includes addresses by J. M. Bustillo and D. I.  
Mason on the livestock industry in Argentina.

9434 U. S. FISH AND WILDLIFE SERVICE. DIVISION  
OF PREDATORS AND RODENT CONTROL. Hints on bobcat  
trapping. Natl. Wool Grower 34(1): 20-21. Jan.  
1944. 45.8 N21N

9435 \*WINNIGSTEDT. 1943 — ein neues aufgaben-  
jahr für die tierzucht. Deut. Landw. Tierzucht 47:  
1-2. Jan. 2, 1943. 49 D48

Problems and prospects of the industry in Germany.

9436 ZANDERS, JULIO. Importancia de una feria  
para el mejoramiento de la ganaderia. Ecuador.  
Primera Zona. Cam. de Agr. Rev. 6:739-745. July/Aug.  
1943. 9.5 Ec96

Includes points and forms for judging.

#### CATTLE

##### Breeds and Breeding

9437 ADAMS, J. G. Jersey breeders and Ameri-  
can Jersey Cattle Club; forthright and fear-  
less presentation of Jersey breed conditions. Jer-  
sey Bul. 63: 128, 164-167. Feb. 5, 1944. 43.8 J48

9438 ANDERSON, A. B. "Down the milky way."  
Milking Shorthorn Jour. 25(1): 60-61. Jan. 1944.  
43.8 M59

Raising Milking Shorthorn calves and steers.

9439 ANDERSON, BEN. Herefords show great gain.  
Tex. Livestock Jour. 3(1): 31. Jan. 15, 1944.  
49 T29

9440 ANDERSON, LYNN. Arizona Herefords top  
all. Ariz. Farmer 23(3): 10. Jan. 29, 1944.  
6 Ar44

9441 ASSIS, F. DE P. Gado leiteiro criação e  
exploração. VI. Vida reproductiva de vaca leiteira.  
(Cont.) Rev. dos Criadores 14(14): 37-38. Oct.  
1943. 43.8 R32

9442 BAILEY, G. K. Bloodlines [in cattle].  
East. Breeder 5(9): 21-22. Feb. 1944. 49 V81

9443 BAKER, A. L., and QUEENBERRY, J. R.  
Fertility of range beef cattle. Amer. Hereford  
Jour. 34(17): 98-100. Jan. 1, 1944. 43.8 Am32

Based on records of an experimental herd coopera-  
tively maintained by the U. S. Dept. of Agriculture  
and the Montana Agricultural Experiment Station.

9444 BARTLETT, J. W. Our experience with bull  
associations. South. Planter 105(1): 12-13. Jan.  
1944. 6 So89

9445 \*BEHRENS, W. Die bewertung der deutschen  
rinderrassen im dienste der heimischen lederversorg-  
ung. Deut. Landwirt. Tierzucht 47: 68-69. March  
6, 1943. 49 D48

9446 BEISEL, M. E. Why and how I became a  
breeder of Polled Milking Shorthorns. Milking Short-  
horn Jour. 25(1): 52. Jan. 1944. 43.8 M59

9447 BLOSSER, ABRAHAM. Let's keep them dual  
purpose. Milking Shorthorn Jour. 25(1): 59. Jan.  
1944. 43.8 M59

Advice on breeding Shorthorn cattle.

9448 BONE, HUGH. Ayrshire activities in war-  
time Britain. Ayrshire Digest 30(1): 5-6. Jan. 15,  
1944. 43.8 Ay7

9449 BUTH, J. R. A visit at Rex Farms near  
Muskegon, Michigan. Holstein-Friesian World 41:90-  
91. Jan. 15, 1944. 43.8 H742

Describes a number of Holstein-Friesian cattle.

9450 CANDE, D. H. Milking Shorthorns for all.  
Will we miss this opportunity? Milking Shorthorn  
Jour. 25(1): 50. Jan. 1944. 43.8 M59

9451 CLAYBOURNE, R. H. "New order" in Guernsey  
Island dairy cattle, its purity under Nazi occupa-  
tion. Field 182: 586. Dec. 4, 1943. 10 F45

9452 DALE, FRANK. Care of the herd bull.  
Milking Shorthorn Jour. 25(1): 4. Jan. 1944.  
43.8 M59

9453 \*DESELAERS. Eine erfolgreiche zuchtstätte  
der rheinischen rotbuntzucht. Deut. Landwirt.  
Tierzucht 47: 53-54. Feb. 20, 1943. 49 D48  
Award to breeder of dairy cattle.

9454 DOMINGUES, OCTAVIO. Criando, cruzando  
ou hibridando zebu. Chacaras e Quintais 68: 345-  
346. Sept. 15, 1943. 9.2 C34

9455 EASTERN Hereford Association organizes.  
East. Breeder 5(9): 11. Feb. 1944. 49 V81

9456 EDWARDS, K. J. My experience in breeding  
cows for dairying. So. Austral. Dept. Agr. Jour. 47:  
91-92. Sept. 1943. 23 So84

9457 ELLIOTT, IRVINE. New proved sire owned by  
thousands of dairymen. [N. Y.] Rensselaer Co. Farm  
Bur. News 20(10): 5. Jan. 1944. 275.293 N. Y.,  
Rensselaer Co.

Holstein-Friesian bull, Osbornedale Admiral Ormsby  
May 719538, owned by the New York Artificial Breeders'  
Cooperative.

9458 FITCH, F. W. Georgia Jerseys shine in  
testing; include that State's first 1,000-lbs. cow.  
Jersey Bul. 63: 135, 156-157. Feb. 5, 1944.  
43.8 J48

9459 FITCH, F. W. The prisoners at Georgia  
State Prison, needed more milk, so the Georgia Jersey  
Cattle Club provided 57 cows of finest quality for an  
institution herd. Jersey Bul. 63: 77, 106-107. Jan.  
20, 1944. 43.8 J48

9460 FORBES, R. C. The universal improvers;  
wherever Shorthorns are introduced improvement of na-  
tive stock follows. Shorthorn World 28(21): 3-4,  
13. Jan. 25, 1944. 43.8 Sh8

9461 GRIFFIN, B. J. Shorthorn or Durham cat-  
tle. Milking Shorthorn Jour. 25(1): 8-9. Jan. 1944.  
43.8 M59

Discussion of a book published in 1871 by Thomas  
Bell entitled "The History of Improved Short-Horn or  
Durham Cattle and of the Kirklevington Herd from the  
Notes of the Late Thomas Bates, with Memoir."

9462 GROVES, E. R. A tale of two dairy  
bulls. Farm and Dairy [Salem, Ohio] 30(18): 11.  
Dec. 31, 1943. 6 F2279

9463 HAHNE, DICK. The Chickasha [Oklahoma]  
Future; Farmers of America;...story about six  
Aberdeen-Angus; heifers, and one heifer in particu-  
lar. Aberdeen-Angus Jour. 25(6): 108, 109. Jan.  
1944. 43.8 Ab3

9464 HALLE, H. G. Get some sense! Milking  
Shorthorn Jour. 25(2): 10. Feb. 1944. 43.8 M59  
Advice to Milking Shorthorn cattle breeders.

9465 HARDY, W. J. Milking Shorthorn has place  
on diversified farm. New England Homestead 117(1):  
16. Jan. 8, 1944. 6 N442

9466 HARDY, W. J. The progress of Milking  
Shorthorns in South and Southwestern States. Tex.  
Livestock Jour. 3(1): 73, 75. Jan. 15, 1944. 49 T29

9467 HELLBUSCH, C. E. Many contributed in  
early New Mexico Hereford days to make the State a  
center for fine cattle. West. Farm Life 46(1,  
Sect. 2, Ann. Livestock Rev. 1944): 51. Jan. 1, 1944  
6 R153

9468 HERNANDEZ, A. E. Selección por familias.  
Agr. Costarricense 1(1): 46-48. June 1943. 8 Ag895  
Dairy cattle families.

9469 HILL, W. H. Bonnie Blacks [Aberdeen-  
Angus; in Texas. Aberdeen-Angus Jour. 25(6): 150,  
159. Jan. 1944. 43.8 Ab3



9470 HOLDEN, R. L. Guernsey progress in the South and Southwest. Tex. Livestock Jour. 3(1): 61-62. Jan. 15, 1944. 49 T29

9471 HOME made bull club; C. O. Brott and Theo. Rawson organize five Michigan Guernsey cattle breeders into successful plan. Guernsey Breeders' Jour. 65: 108-109, 118. Jan. 15, 1944. 43.8 G93

9472 HOY, W. W. What Jerseys did; females and bulls brought into Missouri community greatly changed the situation. Jersey Bul. 63: 136. Feb. 5, 1944. 43.8 J48

9473 HUNTER, HOBART. Observations of a fieldman of the Milking Shorthorn Society. Milking Shorthorn Jour. 25(1): 12. Jan. 1944. 43.8 M59

9474 IDTSE, F. S. Brown Swiss characteristics and development. Hoard's Dairyman 89: 74-75, 78. Feb. 10, 1944. 44.8 H65

9475 KING, KEITH. The ultimate value of herd classification to the Milking Shorthorn breed of cattle. Milking Shorthorn Jour. 25(1): 17. Jan. 1944. 43.8 M59

9476 KÖPPE. Sicherheit den nachwuchs unserer milchviehbestände. Mitt. f. die Landw. 58: 525-526. July 3, 1943. 18 D48M

9477 KOHLEY, A. A. Calves. Milking Shorthorn Jour. 25(1): 72-73. Jan. 1944. 43.8 M59

Experience in raising Milking Shorthorn calves.

9478 LARSON, E. O. The progress of Holsteins in Texas. Tex. Livestock Jour. 3(1): 65. Jan. 15, 1944. 49 T29

9479 LECLERC, MARC. Un taureau de choix: troupeau d'élite. Bul. des Agr. 39(5): 14-15. May 1943. 7 B872

Selection of the dairy bull.

9480 LEWIS, C. C. Non-essentials in cattle breeding. Milking Shorthorn Jour. 25(1): 53. Jan. 1944. 43.8 M59

9481 MCKENZIE, F. F. Artificial insemination on ranges. Rec. Stockman 54(52, 1944 Ann. Ed.): 158-160, 162. Dec. 30, 1943. 49 D43

Includes both beef and dairy cattle.

9482 MACPHERSON, WILLIAM. Give more credits to grandma. Jersey Bul. 63: 76, 98. Jan. 20, 1944. 43.8 J48

Importance of good female line in bull ancestry.

9483 MÜLLER. Staatsehrenpreis für höchste züchterische leistung auf dem gebiete der rindviehzucht im reichsgau Danzig-Westpreussen. Deut. Landw. Tierzucht 46: 425-426. Dec. 19, 1942. 49 D48

For breeding of dairy cattle.

9484 NEWCOMB, H. D. Facts about Shorthorn origin—an appeal for fair play. Milking Shorthorn Jour. 25(1): 68-69. Jan. 1944. 43.8 M59

9485 NISBET, J. C. Jerseys—characteristics and development. Hoard's Dairyman 89: 9, 21. Jan. 10, 1944. 44.8 H65

9486 NISBET, J. C. A look at the Jersey situation as told to Pennsylvania Jersey Club meeting. Jersey Bul. 63: 133, 150, 152, 154. Feb. 5, 1943. 43.8 J48

9487 NISBET, JACK. Jersey highlights of the year. Tex. Livestock Jour. 3(1): 69-70. Jan. 15, 1944. 49 T29

9488 NIX, E. Untersuchungen über den stammesaufbau der bullen des roten höhenviehs in Oberhessen. Deut. Landwirt. Tierzucht 47: 71-73. Mar. 13, 1943. 49 D48

9489 OLSEN, E. I. A breeder's interests and obligations in dual purpose cattle breeding. Milking Shorthorn Jour. 25(1): 20. Jan. 1944. 43.8 M59

9490 ORNDUFF, D. R. Champions Hereford bulls, by right of inheritance; T. Royal Rupert 60th and WHR Miss Mixer 44th descended from ancestors rich in performance. Amer. Hereford Jour. 34(17): 52-56, 64. Jan. 1, 1944. 43.8 Am32

9491 PELLETIER, J. R. Ayrshires fight hard in mid-west [Canada]. Canad. Ayrshire Rev. 24: 277-279, 296. Jan. 1944. 43.8 Ay72

Description of the success of this breed.

9492 RENOUF, HENRY. Our Holsteins. Holstein-Friesian World 41: 108, 110. Jan. 15, 1944. 43.8 H742

9493 RHOAD, A. O. A criação do gado leiteiro. Ceres 4: 281-284. May/June 1943. 9.2 C332

Crossbreeding for hot climates.

9494 ST-PIERRE, ANDRÉA. La race bovine Canadienne; historique des principales familles qui ont donné à la race la réputation dont elle est fière aujourd'hui. Bul. des Agr. 39(12): 15-16, 20. Dec. 1943. 7 B872

9495 SALISBURY, G. W. Artificial insemination shows increased efficiency in dairy cattle. Farm Res. N. Y. State Sta. 10(1): 6, 9. Jan. 1944. 100 N48A

9496 SEEDORF, WILHELM. Sollen bullen menschen töten? Wir brauchen gutmütiges rindvieh. Deut. Landwirt. Tierzucht 47: 39-40. Feb. 6, 1943. 49 D48

Breeding for gentler disposition.

9497 SHARP, H. D. The goal for Milking Shorthorn cattle breeders. Milking Shorthorn Jour. 25(1): 51. Jan. 1944. 43.8 M59

9498 SHAVER, NORMAN. Your Milking Shorthorn Society. Milking Shorthorn Jour. 25(1): 9. Jan. 1944. 43.8 M59

9499 SHAW, M. C. What of our Milking Shorthorn breed's future. Milking Shorthorn Jour. 25(1): 34. Jan. 1944. 43.8 M59

9500 SIMPSON, W. A. Pathway to progress in breeding Milking Shorthorn cattle. Milking Shorthorn Jour. 25(1): 16-17. Jan. 1944. 43.8 M59

9501 SWAFFAR, PAUL. Some stuff about type in Aberdeen-Angus cattle. Aberdeen-Angus Jour. 25(6): 126, 128. Jan. 1944. 43.8 Ab3

9502 TERRY, G. C. Experiences of a beginner breeder of Milking Shorthorn cattle. Milking Shorthorn Jour. 25(2): 8-9. Feb. 1944. 43.8 M59

9503 TOMHAVE, W. H. Aberdeen-Angus cattle show increase. Tex. Livestock Jour. 3(1): 15. Jan. 15, 1944. 49 T29

9504 TOMHAVE, W. H. Aberdeen-Angus move steadily west! Commercial herds grow in numbers. Rec. Stockman 54(52, 1944 Ann. Ed.): 115. Dec. 30, 1943. 49 D43

9505 TOMSON, C. K. Shorthorns gain in popularity. Tex. Livestock Jour. 3(1): 51, 55, 57-59. Jan. 15, 1944. 49 T29

9506 TURNER, C. W. Keep the proved dairy sire. Hoard's Dairyman 89: 47. Jan. 25, 1944. 44.8 H65

9507 VAN CLEAVE, O. E. Tennessee as a Jersey State—past and future. Tenn. Planner 4: 42-47. Nov./Dec. 1943. 280.7 T25T

9508 VERA, V. R. DE. Monografia sobre la raza Hereford. (Cont.) Hereford 10: 332-336, 338, 405, 407-409, 411. Oct., Nov./Dec. 1943. 43.8 H42

9509 WEST, R. L. Guernseys—characteristics and development. Hoard's Dairyman 89: 44-45. Jan. 25, 1944. 44.8 H65

9510 WHITMORE, H. C. Last of the Longhorns. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 147, 150. Jan. 1, 1944. 6 R153

9511 WILLE, R. Ist in der rinderzucht die arbeitsrichtung der sterilitätsbekämpfung zu ändern? Deut. Landwirt. Tierzucht 47: 51-53. Feb. 20, 1943. 49 D48

9512 WINNIGSTEDT. Erfahrungen mit eingeführten holländischen tieren im Rheinland. Deut. Landwirt. Tierzucht 47: 27-29. Jan. 23, 1943. 49 D48

Records of Holstein-Friesian cattle.



Feeds and Feeding

- 9513 \*\*AXELSSON, J. Preservation of brewers' grains for use as cattle fodder. Svensk Bryggareförs. Manadsbl. 57: 46-51. 1942.  
Abs. in Brit. Chem. and Physiol. Abs. Nov. 1943, B., III, p. 275. 382 B773
- 9514 \*AXELSSON, JOEL. Das intensitätsproblem bei der animalischen produktion. Uppsala. Lantbr.-Högskolan. Ann. 11: 51-70. 1943. 104 Up6  
Feeding problems with dairy cows and swine.
- 9515 BARLOW, H. B. Better feeding to lift dairy production. Farmer and Settler 37(42): 4. Nov. 19, 1943. 23 F226
- 9516 \*BEHRENS, W. Futtermittellage und milch-fettbilanz. Deut. Landwirt. Tierzucht 47: 48. Feb. 13, 1943. 49 D48
- 9517 BENNETT, H. W., and CROCKETT, S. P. Kobe, Sericea, Alyce clover, and kudzu hays, valuable for wintering beef cattle. Miss. Farm Res. 6(12): 2. Dec. 1943. 100 M69M1
- 9518 BLAXTER, K. L. Stimulation of the milk production of dairy cows by feeding thyroid-active iodinated proteins. Nature [London] 152: 751-752. Dec. 25, 1943. 472 N21
- 9519 BRAUN, WERNER, and CARLE, B. N. The effect of diet on the vitamin A content of the bovine fetal liver. Jour. Nutr. 26: 549-554. Dec. 1943. 589.8 J82
- 9520 BROWN, H. L. Feeding schedule for dairy calves grows without nurse cow. Fla. Poultryman and Stockman 10(1): 24-25. Jan. 1944. 47.8 F66
- 9521 CAMPBELL, R. S. Increasing production from Louisiana's forest range cattle. Coastal Cattleman 9(11): 16. Jan. 1944. 43.8 C63  
Largely a feeding problem.
- 9522 CUSHMAN, C. G. High returns from winter grazing of dairy cattle. Farm for Victory, Dec. 1943, p. 11. 281.8 F226
- 9523 DAVIS, G. K. Range cattle face feed problem; best ways to use wartime feed to minimize winter losses. Fla. Grower 52(1): 10. Jan. 1944. 80 F6622
- 9524 ESPE, DWIGHT. Problems of calf feeding. Substitutes for milk not satisfactory in young calves. Vet. Student 6: 65-66, 101-102. Fall 1943. 41.8 V6425
- 9525 FITZGERALD, O. A. Fattening beef steers must have their phosphorus. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 146, 148. Jan. 1, 1944. 6 R153
- 9526 HEADY, E. O. Iowa can produce more milk. Iowa Farm Econ. 9(12): 11, 16. Dec. 1943. 275.28 I092  
Feeding grain to each cow in proportion to quantity of milk produced.
- 9527 JOHNSON, W. M. Beef production and stocking rates. Rec. Stockman 54(52, 1944 Ann. Ed.): 82, 84-85. Dec. 30, 1943. 49 D43  
Heavy stocking on the range reduces production.
- 9528 JOHNSON, W. M. Range studies reveal interesting factors as to forage that makes best cattle gains. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 139, 141. Jan. 1, 1944. 6 R153
- 9529 \*KURTH. Futterertrag und größe des vieh-stapels. Deut. Landwirt. Tierzucht 47: 55. Feb. 20, 1943. 49 D48
- 9530 LUSH, R. H. Grass a perfect feed; how to grow it more healthful. Jersey Bul. 63: 16, 46. Jan. 5, 1944. 43.8 J48  
Nutritive value of grass and legume pastures as feed for dairy cows.
- 9531 MEAD, S. W. Raising dairy calves in wartime. West. Livestock Jour. 22(12): 136, 138, 140. Jan. 15, 1944. 6 F2278  
About feeding.
- 9532 \*MIELKE. Sachgemässe Kälberaufzucht. Deut. Landwirt. Tierzucht 47: 55-56. Feb. 20, 1943. 49 D48
- 9533 MOORE, J. S. Profit from early planted cover crops. Miss. Farm Res. 6(12): 1, 6. Dec. 1943. 100 M69M1  
Dairy cattle increase milk production on oats and hairy vetch pastures.
- 9534 MOORE, L. A., BERRY, M. H., and SYKES, J. F. Carotene requirements for the maintenance of a normal spinal fluid pressure in dairy calves. Jour. Nutr. 26: 649-658. Dec. 1943. 389.8 J82
- 9535 NEWMAN, P. E. Why dry dairy cow feeding is effective. N. Y., Essex Co. Farm & Home Bur. News 26(12): 1. Dec. 1943. 275.293 N. Y., Essex Co.
- 9536 PHILLIPS, HORACE. Winter in the stock-yards. Field 182: 594. Dec. 4, 1943. 10 F45  
Feeding cattle, during the winter, without waste.
- 9537 PROULX, J. R. Le troupeau laitier au pâturage. Bul. des Agr. 39(5): 13, 15. May 1943. 7 B872
- 9538 \*REICHMANN, H. Milchviehfütterung im 4. kriegswinter. Deut. Landwirt. Tierzucht 47: 24. Jan. 16, 1943. 49 D48
- 9539 ROMYN, A. E. Problems in pasture research for beef and milk production, in Southern Rhodesia. Progress report of the Grassland Experiment Station, Marandellas, for the period 1939/43. Rhodesia, South. Min. Agr. and Lands. Bul. 1244, 9 p. Salisbury, 1943. 24 R345  
Also in Rhodesia Agr. Jour. 40: 300-307. Sept./Oct. 1943. 24 R34
- 9540 RUFF, A. F. Lespedeza for hay and grazing. Farm for Victory, Dec. 1943, p. 10. 281.8 F226
- 9541 \*SCHMIDT, J., and KLIESCH, J. Untersuchungen über die verwertung von harnstoffstickstoff durch wachsende Kälber. Forschungsdienst 14: 293-304. 1942. 241 D48F
- 9542 \*STEEPES, D. R. Die bedeutung einwand-freien gärfutters aus zuckerrübenblättern für den rindviehstall. Weidewirtschaft u. Futterbau (Beilage zur Deut. Landw. Tierzucht) 17: 22. Dec. 12, 1942. 49 D48
- 9543 \*SVANBERG, OLOF, and CARLSSON, GOTTFR. Über die einwirkung von natriumphosphat auf die milchleistung der kühe. Uppsala. Lantbr.-Högskolan. Ann. 11: 71-81. 1943. 104 Up6
- 9544 THOMPSON, M. J. Milk from roughage. Stock and Dairy Farmer 33(4): 5, 9. Dec. 1943. 6 N8195
- 9545 THE VITAMIN A requirements of dairy cows for production of butterfat of high vitamin A value. II-III. Jour. Dairy Sci. 27: 57-66. Jan. 1944. 44.8 J822  
II. Vitamin A per se, by J. H. Hilton, J. W. Wilbur, and S. M. Hauge, p. 57-62; III. Availability of carotene in dehydrated alfalfa hay as compared with carotene in oil, by S. M. Hauge, R. W. Westfall, J. W. Wilbur, and J. H. Hilton, p. 63-66.
- 9546 WAGNON, K. A. Great beef steers from little acorns do not grow. Pacific Rural Press, South. Ed. 146: 335. Dec. 25, 1943. 6 P112A  
Acorns, with protein supplement, become useful feed.
- 9547 WEBER, A. D. Wartime beef production. Aberdeen-Angus Jour. 25(6): 76, 77, 78, 79, 80, 81, 82. Jan. 1944. 43.8 Ab3  
Feeding and the relation of feeds to production.
- 9548 WINRIGHT, G. L. Beef on irrigated pasture. Pacific Rural Press, South. Ed. 147(1): 24. Jan. 8, 1944. 6 P112A
- 9549 WORTHINGTON, J. Milk to beef on brewers' grains. Farmer & Stock-Breeder 58: 67. Jan. 11, 1944. 10 F228  
Feeding dairy cows in London.



## Veterinary medicine

- 9550 ANDERSON, G. W., and WISE, G. H. Surgical rumen fistula in the calf. Improved operative technique. Amer. Vet. Med. Assoc. Jour. 104: 20-21. Jan. 1944. 41.3 Am3
- 9551 BAYLOR, M. R. B., NALBANDOV, A., and CLARK, G. L. Electron microscope study of [bull] sperm. Soc. Expt. Biol. and Med. Proc. 54: 229-232. Nov. 1943. 44.2.9 Sol
- 9552 BRADT, C. G. Will calf vaccination cause abortion in herd? [N. Y., Greene Co. Farm Bur. News 27(4): 3. Dec. 1943. 275.293 N. Y., Green Co.
- 9553 CABOT, DANIEL. Trichomoniasis in cattle. N. F. U. Rec. 22: 58. Jan. 1944. 281.8 N21
- 9554 CAREY, J. C. Diseases of beef cattle. North Amer. Vet. 25: 26-29. Jan. 1944. 41.8 N812
- 9555 \*CHRISTIANSEN, M. J. Graesmarksinfektion og kvægtuberkulose. Tuberkelbakteriers levedygtighed i det fri, belyst ved praktiske forsøg. Maanedsskr. for Dyrlaeger 54: 241-305. May 7, 1943. 41.8 M11
- Survival of bovine tubercle bacillus in pastures.
- 9556 COFFIN, D. L. The diagnosis of specific cystitis and pyelonephritis by practical office-laboratory procedure. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 92, p. 3-10. Oct. 16, 1943. 41.9 P386
- Caused by *Corynebacterium renale*.
- 9557 D'APICE, MARIO. Brucelose bovina (aborto contagioso bovino). Rev. dos Criadores 14(14): 10-12. Oct. 1943. 43.8 R32
- 9558 DENLINGER, H. E. Bangs disease, the saboteur. Farm and Dairy [Salem, Ohio] 30(18): 9, 15. Dec. 31, 1943. 6 F2279
- 9559 DEVOE, G. W. Problems of mastitis [treatment]. Jersey Bul. 63: 73, 90, 92. Jan. 20, 1944. 43.8 J48
- 9560 DYKSTRA, R. R. Anaplasmosis (yellow teat disease). Kans. Stockman 28(3): 28. Jan. 1944. 49 K134
- 9561 FILMER, J. F. This year's work with contagious abortion vaccine [by the New Zealand Department of Agriculture]. New Zeal. Dairy Exporter 19(2): 28-29. Oct. 1, 1943. 44.8 N484
- 9562 FINCHER, M. G. How to handle cows that are non-breeders. Amer. Agr. 41(1): 6. Jan. 8, 1944 6 Am3
- Proper feeding and elimination of diseases.
- 9563 GLENNEY, W. C. Stilbestrol as a remedy for reproductive troubles in dairy practice. North Amer. Vet. 25: 91-96. Feb. 1944. 41.8 N812
- 9564 GORRIE, C. J. R. Calcium injections for milk fever in dairy cows. Stock and Land 33(47): 3. Nov. 24, 1943. 49 St63
- 9565 GORRIE, C. J. R. Coccidiosis symptoms in calves like those of hairworm. Stock and Land 33 (42): 3. Oct. 20, 1943. 49 St63
- 9566 GUTIÉRREZ, RICARDO. Como se evita el crecimiento de los cuernos en los becerros pequeños. Agr. Mex. 59(10): 11-12. Oct. 1943. 8 Ag8
- Dehorning calves by use of caustics.
- 9567 HAMMOND, D. M., and BARTLETT, D. E. The relative value of sedimentation and of saline-egg culture in the examination of bovine vaginal and preputial samples for *Trichomonas foetus*. Amer. Vet. Med. Assoc. Jour. 104: 10-12. Jan. 1944. 41.8 Am3
- 9568 HANSON, F. C. Vaccination of cattle for Bang's. Milking Shorthorn Jour. 25(1): 69. Jan. 1944. 43.8 M59
- 9569 HENNING, M. W. Paratyphoid in calves. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 181, 2 p. Pretoria, 1943. 24 So82P
- 9570 HOLMES, RUPERT. How shall we get Tuberculin, Tested, milk? Why not a year's bonus in advance to help build up tubercle-free herds? Farmers Weekly [London] 20(1): 31. Jan. 7, 1944. 10 F2226
- 9571 HOPKIRK, C. S. M. Mastitis in the dairy cow. New Zeal. Dairy Exporter 19(1): 18-19. Sept. 1, 1943. 44.8 N484
- 9572 JACKS, J. P. Blackleg disease in cattle and its prevention. Canad. Cattlemen 6: 108-109. Dec. 1943. 49 C16
- 9573 KINGHORN, F. J. Dermoids in the eyes of a bullock. Vet. Rec. 55: 391. Oct. 23, 1943. 41.8 V641
- 9574 KLUSSENDORF, R. C. Brucellosis - Bang's disease, contagious abortion. (To be cont.) Hoard's Dairyman 89: 37, 46-47. Jan. 25, 1944. 44.8 H65
- 9575 KOCHAN, W. F. Mammary stimulation in a heifer by stilbestrol dipropionate. Vet. Rec. 55: 449. Nov. 13, 1943. 41.8 V641
- 9576 KOGER, R. B. Albuminuria in dairy cattle - a factor in the milk-fever complex. Iowa Vet. 15(1): 18, 27. Jan./Feb. 1944. 41.8 Io9
- 9577 LAWSON, J. R. Bovine contagious abortion. London Farmers' Club. Jour., No. 5, p. 77-90. 1943. 10 L84
- Also in Dairy Farmer [London] 16(12): 7-8, 23. Dec. 1943. 44.8 D1414 and (without discussion) Estate Mag. 43: 320-325. Dec. 1943. 10 Es8
- 9578 LE SOUEF, D. H. Temporary sterility in the dairy herd. New Zeal. Dept. Agr. Jour. 67: 353-354. Nov. 15, 1943. 23 N48J
- 9579 LITTLE, R. B. Gramicidin and tyrothricin therapy in chronic streptococci mastitis. Jour. Milk Technol. 6: 335-341. Nov./Dec. 1943. 44.8 J824
- 9580 LITTLE, W. H. The Oregon Bang's disease situation. Oreg. Dept. Agr. Agr. Bul. 140, p. 18, 21, 26. Dec. 1943. 2 Or3
- 9581 MACDONALD, G. J. Parturient paresis. Canad. Jour. Compar. Med. 7: 360-362. Dec. 1943. 41.8 C162
- 9582 MACHADO, A. V., RANGEL, N. M., and GIOVINE, N. Persistência do canal do útero e plonefroze. Ceres 4: 270-280. May/June 1943. Ref., p. 279-280. 9.2 C332
- English summary.
- For abridged English translation, see item 1818.
- 9583 MCLAUGHLIN, J. B. West Virginia blazes trail in Bang's disease control step. South. Stockman 4(1): 34, 72. Jan. 1944. 49 So83
- 9584 \*MYSHKIN, N. F. O giyene kormleniia molochnykh korov [The hygiene of feeding milk cows]. Veterinariia 19(10): 41-42. Oct. 1942. 41.8 V6426
- Physiology of digestion in cattle, and suitable types of feed.
- 9585 \*OTTOSEN, H. E. Scirrhus adenokarcinomer i uterus hos køer (Scirrhus adenocarcinoma in the uterus of cow). Skand. Vet. Tidsskr. 33: 473-482. Aug. 1943. 41.8 Sk1
- 9586 PAYN, R. D. Superstitions and old remedies of Jersey Island breeders. Live Stock Bul., Nov. 1, 1943, p. 9. 23 F222
- 9587 RAMÍREZ M., J. Conocimientos utiles al ganadero: el parto de las vacas. Rev. de Agr. y Com. [Panama] 3(26): 28-33. Oct. 1943. 8 R3291
- 9588 ROJAS M., C. A. Estudio radiológico del desarrollo esquelético del ternero. Rev. de Med. Vet. [Bogotá] 12: 73-100. July/Dec. 1943. 41.8 R3214
- 16 pages are illustrations only.
- 9589 RUBINO, M. C., and BARRIOS, L. A. Sobre valores normales en la composición química de la sangre de los bovinos (*Bos taurus*) y sus variaciones en los animales atacados de tristeza bovina (piroplasmosis y anaplasmosis). (Concl.) Uruguay. Min. de Ganad. y Agr. Dir. de Ganad. Bol. Mens. 27: 300-333. July/Sept. 1943. 41.9 Ur8
- 9590 \*\*SAN MARTÍN SOTO, V. Infección por brucelas en la leche de establos del sector urbano de Santiago. Rev. Chilena de Hig. y Med. Prev. 5: 25-38. 1942.
- Abs. in Vet. Bul. 15: 419. Dec. 1943. 41.8 T752



- 9591 SCHLOTTHAUER, C. F. Bovine mastitis: its etiology, diagnosis and treatment. (To be concl.) North Amer. Vet. 25: 84-90. Feb. 1944. 41.8 N812
- 9592 \*SCHUMANN. Die bekämpfung der rindertuberkulose. Deut. Landw. Tierzucht 47: 4-5. Jan. 2, 1943. 49 D48
- 9593 SENIOR, MARTIN. Fistula of a lymphatic duct due to nail puncture. Vet. Jour. 99: 312-313. Dec. 1943. 41.8 V643
- 9594 SENIOR, MARTIN. Pyelonephritis. Vet. Jour. 99: 312. Dec. 1943. 41.8 V643
- 9595 \*STOLBERG-WERNIGERODE, ALBRECHT, GRAF ZU. Kann eine Verschärfung der Viehseuchengesetzgebung helfen? Mitt. f. die Landw. 58: 530-531. July 3, 1943. 18 D48M
- 9596 SULLIVAN, W. R., GANGSTAD, E. O., and LINK, K. P. Studies on the hemorrhagic sweet clover disease of cattle. XII. The effect of l-ascorbic acid on the hypoprothrombinemia induced by 3,3'-methylenebis(4-hydroxycoumarin) in the guinea pig. Jour. Biol. Chem. 151: 477-485. Dec. 1943. 381 J824
- 9597 SWAN, L. C. The mastitis problem. Canad. Jour. Compar. Med. 7: 356-359. Dec. 1943. 41.8 C162
- 9598 THOMPSON, J. A. Stockmen must lead in solving Bang's disease riddle. Amer. Hereford Jour. 34(18): 70. Jan. 15, 1944. 43.8 Am32
- 9599 TORRES, A. A. Doenças dos bovinos. (Cont.) Ceres 4: 178-181, 342-345. Jan./Feb., July/Aug. 1943. 9.2 C332
- 9600 WALLER, P. Hoven caused by lush clover growth. Farmer and Settler 37(44): 4. Dec. 3, 1943. 23 F226
- 9601 WELCH, HOWARD. Shipping Bang's vaccinated heifers. Mont. Farmer 31(8): 16. Dec. 15, 1943. 6 M764
- 9602 WOOLDRIDGE, W. R. Milk production and herd health. Home Farmer 10(11): 8-9. Nov. 1943. 280.344 H75
- Miscellaneous
- 9603 \*ARENDS, C. Sango 10818, der sieger im reichsleistungswettbewerb für die besten fettvererber. Deut. Landwirt. Tierzucht 47: 32-33. Jan. 23, 1943. 49 D48
- 9604 ASHTON, JOHN. Hereford bulls--many of them--have important role in mass beef production on vast Elmer W. Boyt ranches in South Texas. Amer. Hereford Jour. 34(17): 68, 70, 76, 78, 82. Jan. 1, 1944. 43.8 Am32
- 9605 ASTLEY, ROBERT. Which to sell: dairy, cows or heifers? Farmer & Stock-Breeder 57: 1957. Dec. 14, 1943. 10 F228
- A culling problem.
- 9606 BARBOUR, C. W. Raising calves. Milking Shorthorn Jour. 25(1): 24. Jan. 1944. 43.8 M59
- 9607 BARRIOLA, J. P. (HIJO). Vacas lecheras y toros padres con producción y antecedentes controlados. Uruguay. Min. de Ganad. y Agr. Dir. de Agron. Cartillas 68, 36 p. Montevideo, 1943. 9.9 Ur84
- 9608 BAYARD, E. S. Put the bull in his place in a safety bull pen. Checkerboard News 5(6): 10-11. Dec. 1943. 389.78 C41
- 9609 BELL, GEORGE. A short review of the development of the dairy industry. Milk Dealer 33(4): 86, 88-90. Jan. 1944. 44.8 M595
- 9610 \*BERG, O. A. Klauvrøkt hos storfe. Norsk Landbruk 9: 144-146. May 28, 1943. Care of hoofs of cattle.
- 9611 BIERLY, I. R. Some steps can be shortened in doing chores on dairy farms. N. Y. Albany Co. Farm Bur. News 28(12): 1. Dec. 1943. 275.293 N. Y. Albany Co.
- 9612 BINKS, A. N. Is the Australian dairy industry drifting? A look into the future. Austral. Milk and Dairy Prod. Jour. 10(11): 4. Nov. 1943. 44.8 Au72
- 9613 BLIZZARD, W. L. Beef cattle judging. East. Breeder 5(9): 27-28. Feb. 1944. 49 V81
- 9614 BROWN, H. L. Dairy calves require special handling for first six months. Fla. Poultryman and Stockman 10(1): 22. Jan. 1944. 47.8 F66
- 9615 BRUINGTON, E. V. Publicity by means of photographs to promote the Milking Shorthorn breed of cattle. Milking Shorthorn Jour. 25(1): 26-27. Jan. 1944. 43.8 M59
- 9616 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERVICE. The Canadian record of performance for purebred dairy cattle; regulations, standards and records of cows qualified for registration. Canada. Dept. Agr. Prod. Serv. Rpt. 35, 394 p. Ottawa, 1943. 43.9 C16
- 9617 CHARLES, F. E. Big time cattleman. Your Farm 2(4): 90-92. Feb. 1944. 6 Y8
- Story of Dewey C. Schaffer, of O'Neill, Nebr., and his beef cattle farm.
- 9618 COWLEY, RAUL. Mejoramiento. Expansión y vigilancia de la producción de leche y sus derivados. (Concl.) Vaqueros 3(11/12): 9-10, 12. Nov./Dec. 1943. 43.8 V41
- Suggestions for improvement of the dairy industry in Cuba as presented to the first Congreso Nacional de Alimentación.
- 9619 CULLEY, MATT. Atotonilco, an old time Spanish hacienda, owned by Raymond Bell, in Mexico, recreated into a modern up-to-date Hereford cattle ranch. Amer. Hereford Jour. 34(17): 58, 60, 62; (18): 20, 24, 60-61. Jan. 1, 15, 1944. 43.8 Am32
- 9620 CUNHA, L. A. DA. Os métodos de ordenha das vacas. Rev. dos Criadores 14(14): 43-48. Oct. 1943. 43.8 R32
- 9621 DAY, D. I. Winter management: ideas expressed by 120 Mid-West dairymen on this timely and vital subject. Ind. Farmers Guide 99(24): 14. Dec. 15, 1943. 6 In2
- 9622 DUCK, R. W. Wintering beef cattle. Rural New Yorker 103: 40, 42. Jan. 15, 1944. 6 R88
- 9623 DUNLAP, R. B. Dairy program for Pennsylvania State-owned herds. South. Planter 105(1): 14-15. Jan. 1944. 6 So89
- 9624 ELLIOT, W., and others. Leading herdsmen describe their methods; care of the dairy cow at calving time. Dairy Farmer 17(1): 16-17, 21. Jan. 1944. 44.8 DL414
- Chris. Spencer, E. P. Wigglesworth, John Knight, L. F. Burton, L. A. Hubbard, F. Mahony, Norman McConnell, and F. M. Done, joint authors.
- 9625 FERRER Y CASTILLO, V. L. Explotación racional de las vacas lecheras; cuidados que deben prestarse a los animales para el mejor éxito del tambo. Res 11: 15.072-15.073. Oct. 20, 1943. 286.85 R31
- 9626 GALVIN, J. W. Day of opportunity not yet passed! Rec. Stockman 54(52, 1944 Ann. Ed.): 130-132, 134-138. Dec. 30, 1943. 49 D43
- Successful beef cattle ranching operations.
- 9627 GORDON, G. E. Cow testing recognized in war effort. Calif. Tulare Co. Farm Bur. Monthly 23(11): 30. Dec. 1943. 275.293 Calif., Tulare Co.
- 9628 LES GRANDS facteurs de la production du bétail au Maroc. Casablanca. Chambre d'Agr. Bul. 14(158): 9-13. Nov./Dec. 1943. 24 C26
- Outlines the policy to be followed in increasing and improving cattle production in Morocco.
- 9629 GREGORY, W. H. Wintering beef herd. This Month in Rural Ala., Jan. 6, 1944, p. 7. 6 T34
- 9630 GROVES, E. R. The Hereford herd owned by banker-farmer Richard Speidel. Farm and Dairy Salem, Ohio, 30(18): 2. Dec. 31, 1943. 6 F2279
- Description of a farm.



9631 \*HAHN. Der wert der kuhfamilien -- ver-leihung eines ehrenpreises an einen fleckviehzüchter in Sachsen-Anhalt. Deut. Landwirt. Tierzucht 47: 67-68. March 6, 1943. 49 D48

9632 \*HARTMANN, GEORG. Milchleistung und milchablieferung. Deut. Landwirt. Tierzucht 47: 31-32. Jan. 23, 1943. 49 D48

Includes suggestions on how to increase milk production in Germany.

9633 \*HELMAN, M. B. Importancia de la ex-perimentación de la ganadería [to Argentina]. Inst. Agr. Argentino. Reseñas 3(20): 23-26. 1943. 281.9 B862

9634 HENDERSON, H.O. The future of dairying in West Virginia. W. Va. Farm News 22(9): 3, 11, 13. Dec. 1943. 275.293 W. Va.

9635 HINMAN, C. H. Some responsibilities to one's cattle, to the breed [and] to the beginner. Milking Shorthorn Jour. 25(1): 85. Jan. 1944. 43.8 M59

9636 \*HÖGLMEIER. Legt mehr wert auf richtig-es melken! Mitt. f. die Landw. 58: 529. July 3, 1943. 18 D48M

9637 HOLLAND, FRANK. The three stages as ap-plied to life or buying cattle. Milking Shorthorn Jour. 25(1): 46-47. Jan. 1944. 43.8 M59

9638 KINYON, W. W. Wisconsin [State-owned] farms under centralized control. South. Planter 105(1): 15. Jan. 1944. 6 So89  
Dairy cattle breeding and testing program.

9639 \*KNEBUSCH, V. Leistungsfähige milchkühe. Deut. Landw. Tierzucht 46: 422-425. Dec. 19, 1942. 49 D48

9640 LAMASTER, J. P. Management of the dry [dairy] cow, the calf and the heifer. Guernsey Breeders' Jour. 65: 110-112, 124. Jan. 15, 1944. 43.8 G93

9641 LASCELLES, H. R. Picking the right calf. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 99-100. Jan. 1, 1944. 6 R153

9642 LEHMBERG, FRITZ, SR. Dairying. Natl. Butter and Cheese Jour. 35(2): 72. Feb. 1944. 286.85 B93Bu

Early dairying conditions in Minnesota.

9643 LINDGREN, H. A. Beef cattle production in Oregon. Oreg. Dept. Agr. Agr. Bul. 140, p. 7. Dec. 1943. 2 Or3

9644 LISTER, ROBERT. Problems of livestock operators. Oreg. Dept. Agr. Agr. Bul. 140, p. 13-14. Dec. 1943. 2 Or3

Beef cattle industry.

9645 MERCIER, ERNEST. Le controle laitier et la selection des taureaux. Bonne Terre 24: 109-147. Sept./Oct. 1943. Ref., p. 145-147. 7 B64

Dairy sire selection and records.

9646 MEYER, M. A. How to sell producers on the value of clipping [dairy] cows [as aid in production of clean milk]. Milk Plant Monthly 33(1): 31. Jan. 1944. 44.8 C864

9647 MONTAGUE, T. G. Dairy industry outlook. Calif. Dairymen 23(24): 3, 12. Jan. 8, 1944. 44.8 C12

9648 MOORE, MERTON. Why raise [dairy] heifer calves? Holstein-Friesian World 41: 86, 130. Jan. 15, 1944. 43.8 H742

9649 NETTO, F. A. O problema do leite e o papel que o vaqueiro e criador podem desempenhar na sua solução. Rev. dos Criadores 14(14): 33-36. Oct. 1943. 43.8 R32

Milk production problems in São Paulo.

9650 NEWCOMB, J. C. The biggest [Milking] Shorthorn show can come to you. Milking Shorthorn Jour. 25(2): 5, 7. Feb. 1944. 43.8 M59

9651 NEWCOMB, J. C. Your [cattle] sales are the result of advertising—are you pushing or just riding? Milking Shorthorn Jour. 25(1): 32-33. Jan. 1944. 43.8 M59

9652 OAKLEY, J. E. Herd improvement. Milking Shorthorn Jour. 25(1): 40. Jan. 1944. 43.8 M59  
Cow testing, breeding, and herd classification of dairy cattle.

9653 OLMSTEAD, R. H. Give dry [dairy] cows some careful attention. Pa. Grange News 40(10): 7. Jan. 1944. 6 P38

9654 PIERCE, R. G. Advantages of [cow] testing. Milking Shorthorn Jour. 25(1): 76-77. Jan. 1944. 43.8 M59

9655 \*PITTER, HEINZ. Die ergebnisse der milch-leistungsprüfung 1941 im Donauland. Wiener Landw. Ztg. 92: 265, 266, 267. Sept. 19, 1942. 19 W63  
Milk production figures for different breeds of cattle.

9656 PLAZZA, CARLOS. Influencias de las condiciones de clima en la ganadería. Inst. Agr. Argentino. Reseñas 3(20): 12-17. 1943. 281.9 B862

9657 REESE, RALPH. Adohr milk farms [in the San Fernando Valley, California]. A model dairy farm oper-ated on a practical basis. Vet. Student 6: 70-72, 113. Fall 1943. 41.8 V6425

9658 REEVES, FRANK. Pitchfork Ranch, where better [Hereford] bulls produce better beef at less cost. Cattleman 30(8): 9-11. Jan. 1944. 49 C29

9659 SAYRE, K. P. Keep another basket handy. Milking Shorthorn Jour. 25(1): 29. Jan. 1944. 43.8 M59

Sidelines recommended for breeders of Milking Short-horn cattle, such as other livestock and crops.

9660 \*SKOROKHODKO, A. K., and SHILOV, A. A. Gigiena ukhoda i soderzhanija krupnogo rogatogo skota (The hygiene and management of cattle). Vologda Agr. Inst. Proc. (1942)5: 13-98. 106 V882

9661 SMITH, ARTHUR. Records and quality. Farmers Weekly [London] 20(3): 29. Jan. 21, 1944. 24 F225

Use of dairy cow records to improve butterfat con-tent.

9662 STOLTZ, E.H. Canada's production tops. Cows that have made the highest production records for the year in their class and breed. How they were bred and fed. Farmer's Mag. 40(12): 33-34. Dec. 1943. 7 C165

9663 STOVALL, WINONA. Pioneer breeders in central west Texas. (To be cont.) Texas Livestock Jour. 2(12): 25-28. Dec. 15, 1943. 49 T29

9664 TAGLE, E. C. La cabaña y su influencia en el mejoramiento bovino. Inst. Agr. Argentino. Reseñas 3(20): 27-31. 1943. 281.9 B862

Historical account of beef cattle in Argentina.

9665 TULA FERREYRA, PEDRO. Control de produc-ción y selección del ganado lechero. Agraric [San-tiago, Chile] 8(325): 12-13, 20. Oct. 11, 1943. 9.3 Ag85

9666 TURNER, J.P. The cattlemen turned north. Canad. Cattlemen 6: 92, 127, 130. Dec. 1943. 49 C16

Historical account of cattle herds.

9667 WARREN, T. R. Dairymen put shoulders to wheel. Rec. Stockman 54(52, 1944 Ann. Ed.): 147-148. Dec. 30, 1943. 49 D43

Jersey cattle milk production in the Pacific area of the U. S.

9668 WHITTAKER, T. P. Avoiding avoidable loss-es [in raising dairy cattle]. Ayrshire Digest 30 (1): 7. Jan. 15, 1944. 43.8 Ay7

Check stanchions and other equipment; Tip the point ed horns; Get rid of the lice; A nearby calving lot is a good investment.

9669 WOOTEN, JACK. Missionary turns farmer; [Thomas E. Reeve] caught at his Georgia home by the 1929 crash, a missionary to Africa becomes a success-ful dairy farmer. South. Agr. 74(1): 9. Jan. 1944. 6 So83



- 9670 WORSFOLD, D. A. Rear the pick of your [dairy] heifers. Dairy Farmer 17(1): 20. Jan. 1944. 44.8 D1414
- 9671 \* ZETTLER. Erstaunliche fruchtbarkeit und lebenskraft einer fleckviehkuh. Deut. Landwirt. Tierzucht 47: 47. Feb. 13, 1943. 49 D48
- Milk production record of "Lotte E 530," owned by Mayor Kinzig in Mudau, Odenwald.

## DOGS AND CATS

Breeds and breeding

- 9672 BREEDS in brief. No. 21. Puddle. 22. German Shepherd dog. Amer. Kennel Gaz. 60(12): 35-36, 180, 182; 61(1): 25-26, 153. Dec. 1943, Jan. 1944. 48.8 Am3
- 9673 CHAMBERS, Mrs. E. S. Right way to start breeding cats. All-Pets Mag. 15(8): 37. Jan. 1944. 48.8 A15
- 9674 COLE, A. T. Parallel of breed development. Amer. Field 140: 691-692. Dec. 18, 1943. 410 Am3
- Breeding sporting dogs compared to the methods used in developing the trotting horse.
- 9675 MILLER, DAISY. "Chi" all-American breed. All-Pets Mag. 15(8): 22, 24, 26. Jan. 1944. 48.8 A15
- Chihuahua breed of dog.
- 9676 NAON, J. M. A. Raza de perros Collie; tipo exposición - características - defectos. Campo y Arados 7(81): 20-21. Nov. 1943. 9.9 C152
- 9677 PHILLIPS, W. E. Laveracks vs. Llewellyns. Amer. Field 141: 30-31. Jan. 8, 1944. 410 Am3
- 9678 YOUNG, S. P. What was the early Indian dog? New light on an age-old riddle points to strong wolf strain over many centuries. (Cont.) Amer. Forests 50: 26-28, 32, 45. Jan. 1944. 99.8 F762

Veterinary Medicine

- 9679 \*\*ALLIN, A. E. Cat-bite wound infection in man, by Pasteurella. Canad. Med. Assoc. Jour. 46: 48-50. 1942.
- Abs. in Vet. Bul. 15: 417. Dec. 1943. 41.8 T752
- 9680 GADD, J. D. Hypertrophy of the prostate gland in dogs, with description of operation. Amer. Vet. Med. Assoc. Jour. 104: 15-18. Jan. 1944. 41.8 Am3
- 9681 HANDLER, PHILIP, and FEATHERSTON, W. P. The biochemical defect in nicotinic acid deficiency. II. On the nature of the anemia produced in dogs. Jour. Biol. Chem. 151: 395-404. Dec. 1943. 381 J824
- 9682 IRWIN, I. P. Acute constipation in the dog. North Amer. Vet. 25: 101. Feb. 1944. 41.8 N812
- 9683 KENNEDY, E. R. Obstetrics in the bitch. North Amer. Vet. 25: 44. Jan. 1944. 41.8 N812
- 9684 MCLEOD, JANE. Bone differences of man, cat. All-Pets Mag. 15(8): 31. Jan. 1944. 48.8 A15
- 9685 SEIBOLD, H. R. Rabies diagnosed in a dog five days after burial. North Amer. Vet. 25: 38-39. Jan. 1944. 41.8 N812
- 9686 SENIOR, MARTIN. Eversion of the urinary bladder in a pregnant bitch. Vet. Jour. 99: 311-312. Dec. 1943. 41.8 V643
- 9687 THOMAS, LEWIS, and KOLB, E. M. Relationship of the virus of cat pneumonia (Baker) to the psittacosis-lymphogranuloma group of agents. Soc. Expt. Biol. and Med. Proc. 54: 172-174. Nov. 1945. 442.9 Sol

Miscellaneous

- 9688 BRANDE, M. G. A cat that cared. Our Dumb Anim. 77(1): 7. Jan. 1944. 48.8 Ou7
- A case described that shows affection and loyalty.

- 9689 COUCH, V. M. Farm for puppies. All-Pets Mag. 15(8): 23. Jan. 1944. 48.8 A15
- A farm is the best place to train them.
- 9690 COUCH, V. M. Kindness watchword for rearing cats. All-Pets Mag. 15(8): 35. Jan. 1944. 48.8 A15
- 9691 JOHNSON, LAMONT. When your dog goes to war. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 13, 42-43. Jan. 1944. 6 R153
- 9692 JONES, E. L. Pekingese - 'n this 'n that. All-Pets Mag. 15(8): 27-28. Jan. 1944. 48.8 A15
- Care in whelping.
- 9693 LAINE, JULIETTE. "Jokko," the hearing-ear dog. Our Dumb Anim. 77(1): 5. Jan. 1944. 48.8 Ou7
- 9694 MEGINNIS, P. J. War dogs. North Amer. Vet. 25: 40-43. Jan. 1944. 41.8 N812
- 9695 THE REAL American Kennel Club. By Diogenes. Part 21-22. Amer. Kennel Gaz. 60(12): 33-34, 86; 61(1): 29-30. Dec. 1943, Jan. 1944. 48.8 Am3
- 9696 TAYLOR, GERTRUDE. Dryness necessary for good housing of dogs. All-Pets Mag. 15(8): 40. Jan. 1944. 48.8 A15

## HORSES AND MULES

Breeds and Breeding

- 9697 \*BALDAUF, ERWIN. Nachzuchtbewertungen für stuten. Deut. Landwirt. Tierzucht 47: 56-57. Feb. 20, 1943. 49 D48
- 9698 BARBER, G. D. The Palomino today. Tex. Livestock Jour. 3(1): 81, 84, 98. Jan. 15, 1944. 49 T29
- 9699 BEALL, F. W. Authentic Quarter Horse pedigrees. Westerner 6(11): 27, 30. Dec. 1943. 49 W522
- 9700 BLEDSOE, HENRY. Cow horses. Amer. Hereford Jour. 34(17): 166. Jan. 1, 1944. 43.8 Am32
- Discusses the crosses usually giving best results.
- 9701 BLYTHE, JACK. What is a good brood mare and how to select one. Natl. Horseman 80(1): 11-12. Jan. 1944. 42.8 N21
- 9702 BOHORQUEZ, J. J. Instrucciones que se deben tener en cuenta en un criadero de potros. Vida Rural 5(51): 14-15. Oct. 1943. 9.4 V66
- 9703 CASEMENT, D. D. Look at him go!...the Quarter Horse. Rec. Stockman 54(52, 1944 Ann. Ed.): 163-165. Dec. 30, 1943. 49 D43
- 9704 CONN, G. H. Preparing the mare for breeding. Natl. Horseman 80(1): 14-15. Jan. 1944. 42.8 N21
- 9705 DENHARDT, R. M. Pan-American horse association beginning to take form. Cattleman 30(8): 115-116. Jan. 1944. 49 C29
- 9706 DOERHOEFER, BASIL. Are good brood mares important? Natl. Horseman 80(1): 15-16. Jan. 1944. 42.8 N21
- 9707 GORDON, G. E. The Kellogg Arabians. West. Livestock Jour. 22(12): 94, 96, 98-99, 100. Jan. 15, 1944. 6 F2278
- 9708 GREEN, NEWCOMB. Why do books of some sires fill so quickly? What points do the breeders consider in selecting mates for their mares? Thoroughbred Rec. 139(1): 20. Jan. 1, 1944. 42.8 T39
- 9709 HARTUNG, A. M. Rex McDonald #833, an American Saddlebred. West. Livestock Jour. 22(12): 88-89. Jan. 15, 1944. 6 F2278
- 9710 HENDERSON, G. R. Horses of tomorrow. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 121. Jan. 1, 1944. 6 R153
- Future types depend on future needs.
- 9711 HENRY, GENE. Domestic Dynamite Arabian horses on the range. Country Gent. 114(1): 13, 44, 46. Jan. 1944. 6 C883



- 9712 HOUSE, E.A. Intensified saddle horse breeding. Natl. Horseman 80(1): 16. Jan. 1944. 42.8 N21
- 9713 JENKINS, W. N. "Long live the queen"; an account of final success in repeated attempts to breed a grand old show mare. West. Livestock Jour. 22(12): 86, 105. Jan. 15, 1944. 6 F2278
- 9714 JUNQUEIRA, J. F. D. Cavalos de sela. Chacaras e Quintais 68: 311-312. Sept. 15, 1943. 9.2 C34
- 9715 LODER, JOHN. Some great foundation mares for race horses. Field 182: 608. Dec. 11, 1943. 10 F45
- 9716 LODER, JOHN. Time and chance in blood-stock breeding of race horses. Field 182: 634. Dec. 18, 1943. 10 F45
- 9717 MICHAELIS, HELEN. The Quarter Horse moves forward. Tex. Livestock Jour. 3(1): 79, 83, 98. Jan. 15, 1944. 49 T29
- 9718 PELLETIER, J. R. Le "Canadien" est d'uti-  
lité générale. Bul. des Agr. 39(5): 29-30. May 1943. 7 B872
- A special type of horse developed in Canada.
- 9719 PHILLIPS, BOB. Many outstanding juveniles among the race horses of current season sired by eastern stallions. East. Breeder 5(8): 11-13; (9): 15-16. Jan., Feb. 1944. 49 V81
- 9720 \*SKVORTSOV, V. A., and PONOMAREV, M. K. Plemennaya rabota rysistyykh zhirebtsov Velikoustiuzhskoi G Z K (The breeding of good trotters at the Great Usting State stables). Vologda Agr. Inst. Proc. (1942)5: 113-158. 106 V882
- 9721 UZZELL, T. H. Profits from quality jacks. Coastal Cattleman 9(12): 49-50. Feb. 1944. 43.8 C63
- 9722 VAN TUYL, G. E., and BONELLI, W. G. Polo ponies. Vet. Student 6: 76-78, 106. Fall 1943. 41.3 V6425
- Breeding and training.
- 9723 \*WÖHLER. Hohe auszeichnung eines kaltblutzüchters. Deut. Landwirt. Tierzucht 47: 54-55. Feb. 20, 1943. 49 D48
- Award to breeder of draft horses.
- Feeds and Feeding**
- 9724 IUSKOVETS, M. K. Ispol'zovanie bardy dlia kormleniya loshadei [The use of malt grains in feeding horses]. Veterinariia 19(10): 43. Oct. 1942. 41.8 V6426
- 9725 \*KUZNETSOV. Kormlenie voiskovykh loshadei kombikormom [Feeding of army horses with a balanced ration]. Veterinariia 19(8/9): 36-38. Aug/Sept. 1942. 41.8 V6426
- Veterinary Medicine**
- 9726 \*AKUN, S. Ankara ve civarindaki atlarin otopsilerinde rastlanan Gastrophilus sürfelerinden mütevellit mide hastaliklarinin goklugu ve neticeleri (myiasis ventriculi) (Gehaeftes vorkommen von magenkrankungen bei pferden durch Gastrophilus larven in Ankara und umgebung (myiasis ventriculi). Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 129, 45 p. Ankara, 1943. Ref., p. 43-44. 25 An4
- German summary.
- 9727 BECK, J. D. Lameness in a mare due to Brucella abortus infection. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 92, p. 19-20. Oct. 16, 1943. 41.9 P386
- 9728 \*BUSHKOV, V. G. Lechenie perelomov kostei u loshadi [Treatment of bone fractures in horses]. Veterinariia 19(8/9): 10-15. Aug./Sept. 1942. 41.8 V6426
- 9729 \*DEGTAREV G. V. Parafimoz i ego lechenie (svodka-referat) [Paraphimosis and its treatment (summarizing report)]. Veterinariia 19(10): 43-45. Oct. 1942. 41.8 V6426
- 9730 \*DOĞUER, SABRI. Yerli at ve egek tirnakla-  
rinin anatomik farklari (Der anatomische unterschied zwischen hiesigen pferd- und eselhufen). Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 136, 60 p. Ankara, 1943. Ref. 25 An4
- German summary.
- 9731 FETHERS GEOF. The care of horses. V. Some common causes of lameness. Past. Rev. 53: 741-742. Nov. 16, 1943. 23 Au75
- Strain and injury.
- 9732 FOSS, J. O. Identification of Corynebacterium renalis from the kidney and bladder of a horse. Amer. Vet. Med. Assoc. Jour. 104: 27. Jan. 1944. 41.8 An3
- 9733 GLOVER, G. H. Veterinarian discusses confusing horse maladies. West. Farm Life 46(2): 11. Jan. 15, 1944. 6 R153
- 9734 \*GRATZL, ERWIN. Entstehung und behandlung der koliken des pferdes. Deut. Tierärztl. Wchnschr. 50: 141-146. Mar. 28, 1942. 41.8 D482
- 9735 HENNING, E. R. Paraphimosis in equine. Vet. Student 6: 109-110. Fall 1943. 41.3 V6425
- 9736 \*IREN, ZEKI. Türkiye beygirleri'nin "Strongylidae" leri. Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 130, 53 p. Ankara, 1943. Ref., p. 39-52. 25 An4
- 49 drawings on 20 p., not included in pagination.
- German summary.
- Strongylidae found in Turkish horses.
- 9737 JANSON, E. J. Stringhalt in a horse. Vet. Student 6: 81-82. Fall 1943. 41.3 V6425
- With description of operation.
- 9738 \*KARPIN. Resul'taty primeneniia spirto-  
vodnogo rastvora rivanola [Results of the application of rectified spirit solution of rivanol]. Veterinariia 19(10): 40-41. Oct. 1942. 41.8 V6426
- Injected into horses to reduce fever in various diseases.
- 9739 \*KOSENKO, and BONDARENKO. O lechenii stolbniaka loshadei [Treatment of tetanus in horses]. Veterinariia 19(10): 27-28. Oct. 1942. 41.3 V6426
- 9740 KUBES, VLADIMIR. Venezuelan-type equine encephalomyelitis virus in Trinidad. Science 99: 41-42. Jan. 14, 1944. 470 Sci2
- 9741 \*LITVINOV. Lechenie pnevmonii loshadei sul'foproduktami [Treating pneumonia in horses with sulfa drugs]. Veterinariia 19(8/9): 28-29. Aug./Sept. 1942. 41.8 V6426
- 9742 MCCLYMONT, G. L. Internal parasites of horses. Methods of treatment. Agr. Gaz. N. S. Wales 54: 521-525. Nov. 1, 1943. 23 N472
- 9743 \*MASTYKIN. Sposob lecheniia parafimosa loshadei [Method of treatment of paraphimosis in horses]. Veterinariia 19(8/9): 25-26. Aug./Sept. 1942. 41.8 V6426
- 9744 \*MERSIOVSKY, WOLFGANG. Grimmdarmverstopfungen bei absatzfohlen. Deut. Tierärztl. Wchnschr. 50: 105-107. Feb. 28, 1942. 41.8 D482
- Colic caused by impaction of the colon.
- 9745 PAZ BENDAYÁN, JAIME. Contribución al estudio de la patología hepática del caballo. Gac. Vet. 5: 154-171. May/June 1943. 41.8 G112
- 9746 PETERSON, P. C. A case of gynandromorphism in the equine. Vet. Student 6: 83-84. Fall 1943. 41.8 V6425
- 9747 \*PIROG, A. O diagnostike botulizma loshadei [Diagnosis of botulism in horses]. Veterinariia 19(8/9): 42. Aug./Sept. 1942. 41.8 V6426
- 9748 \*PODDUBSKIĬ, I. V., IVANOV, B. G., and SVINTSOV, P. M. Gripp loshadei [Horse influenza]. Veterinariia 19(8/9): 31-35. Aug./Sept. 1942. 41.8 V6426
- 9749 \*POVAZHENKO, I. E. K diagnostike onkhot-serkoza kholki loshadei [Diagnosis of onchocercosis in the withers of horses]. Veterinariia 19(8/9): 24-25. Aug./Sept. 1942. 41.8 V6426



9750 REYES F., EDUARDO. Papera o adenitis. Agr. Mex. 59(10): 15-16. Oct. 1943. 8 Ag8 Strangles.

9751 ROHWER, H. H. Repulsion of cheek teeth in cases of alveolar periostitis in the horse. Vet. Student 6: 84, 108-109. Fall 1943. 41.8 V6425

9752 ROHWER, H. H. X-ray diagnosis of foreign body imbedded in leg of a horse. Vet. Student 6: 82-83. Fall 1943. 41.8 V6425

9753 \*SOKOLOV, M. I. Lechebmoe primeneniye sody pri nekotorykh khirurgicheskikh zabolevaniyakh [The medical application of soda in certain surgical diseases]. Veterinariia 19(10): 35-37. Oct. 1942. 41.8 V6426

Intravenous injection used for various types of lameness in horses.

9754 TAYLOR, J. A. An abnormally developed pronator teres muscle in the horse. Vet. Jour. 99: 310-311. Dec. 1943. 41.8 V643

9755 VELASQUEZ Q., JOSÉ. Colico por cambio de posición del colon replegado. Rev. de Med. Vet. [Bogotá] 12: 117-118. July/Dec. 1943. 41.8 R3214

9756 \*YALKI, S. N. Ankarada beygirlerde görülen muhtelif sancı vak'aları ve tedavileri (Die kolikfälle bei pferden in Ankara und ihre behandlung). Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı 133, 94 p. Ankara, 1943. Ref., p. 90-94. 25 An4 German summary.

#### Miscellaneous

9757 BAYNES, G. Suggestions on how to look after a hack. East African Agr. Jour. 9: 95. Oct. 1943. 24 Fa74

9758 BEALL, F. W. Stamina! Cutting horses have it. Rec. Stockman 54(52, 1944 Ann. Ed.): 211-212, 214, 216, 218, 220. Dec. 30, 1943. 49 D43

9759 CHIEFFI, ARMANDO. Estudo práctico dos andamentos. Rev. dos Criadores 14(14): 24-28. Oct. 1943. 43.8 R32

9760 DINSMORE, WAYNE. Our horses and mules are pulling for victory. Better Farms 4(14): 3. Dec. 15, 1943. 6 B462 Increased use.

9761 DUCK, R. W. Wintering work horses on the farm. Rural New Yorker 103(5571): 12, 15. Jan. 1, 1944. 6 R88

9762 IRE. DEPT. OF AGRICULTURE. Shoeing of horses for traffic on modern roads. Ire. Dept. Agr. Spec. Leaflet 26, 2 p. Dublin, 1943. 10.5 Ir428

9763 GARRIGUS, H. L. Handling foals the first winter. Vt. Horse and Bridle Trail Bul. 8(1): 20. Jan. 1944. 42.8 V59

9764 \*GUDDING, INGJAR. Hestens tannpleie. Norsk Landbruk 9: 163. June 11, 1943. 11 N8122 Care of horse's teeth.

9765 JOHNSON, J. J. The introduction of the horse into the Western Hemisphere. Hispanic Amer. Hist. Rev. 23: 587-610. Nov. 1943. 134.8 H62

9766 KING, E. S. The breaking-in of a colt. Past. Rev. 53: 742-743, 807-808. Nov. 16, Dec. 16, 1943. 23 An75

9767 LABREQUE, PIERRE. Pour mieux utiliser la traction animale. Bul. des Agr. 39(5): 19. May 1943. 7 B872

Care of the draft horse.

9768 \*MANN, GERHARD. Pferde- und fohlenfütterung und -haltung im winter. Deut. Landw. Tierzucht 47: 13-14. Jan. 9, 1943. 49 D48

9769 MILLER, H. L. Greatest bucking horse of all time [Midnight] was never ridden. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 124-125. Jan. 1, 1944. 6 R153

9770 MUJICA, OSCAR. Caballo de tropa, para la caballería, en Chile. (To be cont.) Campesino [Santiago, Chile] 75: 740-742. Nov. 1943. 9.3 Sol2

9771 PARKER, E. M. Proper conformation in the riding horse. Saskatchewan Farmer 35(1): 13. Jan. 3, 1944. 7 Sa74

9772 PHILLIPS, R. W. Horses in India. Vt. Horse and Bridle Trail Bul. 8(1): 2-4. Jan. 1944. 42.8 V59

9773 SHOEMAKER, M. G. Idaho horse, 41 years old, said to be oldest in U. S. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 80. Jan. 1 1944. 6 R153

#### POULTRY

##### Breeds and Breeding

9774 ALEXANDER, A. K. S. Are winter laying strains in danger? Farmer & Stock-Breeder 57: 2001. Dec. 21, 1943. 10 F228

9775 AMSDEN, J. Lessons that progeny testing has taught me. Mod. Poultry Keeping 49: 406, 407, 426, 427. Dec. 8, 15, 1943. 47.8 Eg3

9776 BIRTWISTLE, VICTOR. Fertility and hatchability. Mod. Poultry Keeping 49: 441. Dec. 22, 1943. 47.8 Eg3

9777 BLACKWELL, H. L. Stamina via the trap-nest. 1-6. Poultry Farmer [London] 109(2840): 3; (2841): 3; (2842): 3; (2843): 3; (2844): 3; (2845): 3. Nov. 26, Dec. 3, 10, 17, 24, 31, 1943. 47.8 F312 Trapnesting makes breeding a planned operation.

9778 BOSSINGHAM, F. L. Barred Plymouth Rocks. Poultry Press 30(4): 1. Dec. 30, 1943. 47.8 P8643

9779 BOSTIAN, C. H. Breeding saves lives of pullets. Farmers Fed. News 24(5): 8-9. Jan. 1944. 280.28 F225

9780 BUSCALL, D. C. Racing pigeons shimmer under the great white light. Amer. Racing Pigeon News 60(1): 1-2. Jan. 1944. 47.8 H75

War pigeons popularized in print in Saturday Evening Post, Nov. 27, and Family Circle, Nov. 12, 1944.

9781 BUSWELL, J. H. Today's White [Plymouth, Rock. Everybodys Poultry Mag. 49(1): 52-54. Jan. 1944. 47.8 F213P

9782 COTTA, W. L. Sebright lacing and under-colors in Bantams. All-Pets Mag. 15(8): 45. Jan. 1944. 48.8 A15

9783 COZZENS, F. R. Increases hatchability by observing peculiarities of the breeding stock. Amer. Poultry Jour. 75(2): 28. Feb. 1944. 47.8 Am32

9784 FARIA, ERNESTO. Inseminação artificial em galinhas. Chacaras e Quintais 68: 493. Oct. 15, 1943. 9.2 C34

9785 FARNSWORTH, MRS. HENRY. What kind of chicks? Mo. Ruralist 85(1): 17. Jan. 8, 1944. 6 R8891

Discusses briefly certain breeds and hybrids.

9786 GRAHAM, L. P. Vanishing varieties of poultry. 9. Red Cap fowls. (Cont.) Cackle and Crow 26(3): 17. Jan. 15, 1944. 47.8 G11

9787 GUEL, A. M. How the flock social order affects mating. Amer. Poultry Jour. 75(2): 6, 20. Feb. 1944. 47.8 Am32

9788 HOFFMANN, EDMUND, and TOMHAVE, A. E. Superior strains for broiler production. U. S. Egg & Poultry Mag. 50(1): 30-32. Jan. 1944. 286.85 Eg3

9789 JAAP, R. G., and MILBY, T. T. Comparative genetics of blue plumage in poultry. Poultry Sci. 23: 5-8. Jan. 1944. 47.8 Am33P

9790 JULL, M. A. A popular broiler cross [due to faster growth]. Poultry Tribune 50(2): 5, 7. Feb. 1944. 47.8 P8642



- 8791 KLEIN, G. T. Daughters are key to progeny testing; better chicks result from use of this breeding method. Poultry Tribune 50(2): 17, 58. Feb. 1944. 47.8 P8642
- 8792 LEWIS, C. M. The Buff Leghorn. (To be cont.) West. Poultry Jour. 6(1): 3. Nov. 1943. 47.8 W528
- 8793 LYON, F. J. Why and wherefore of pigeon lore. The subject of breeding pigeons. Amer. Racing Pigeon News 59(12): 16. Dec. 1943. 47.8 H75
- 8794 MARGOLF, P. H. Three turkeys instead of only one by improving hatchability of eggs. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 1), p. 4-5. [1943] 100 P381
- Considered as a breeding problem.
- 8795 MOORE, A. C. Is first-crossing of poultry breeds, being overdone? Poultry [London] 93: 372. Dec. 14, 1943. 47.8 P869
- 8796 MOORE, FRANK. Outline of important parts of the Nat'l Turkey Federation, improvement plan. Turkey World 19(1): 52-54. Jan. 1944. 47.38 T84
- 8797 MOWBRER, R. W. Stately carriage marks Africans, breed of geese. All-Pets Mag. 15(8): 47. Jan. 1944. 48.8 A15
- 8798 MUNRO, S. S. Selecting the breeders. Canada Poultryman 30(12): 15. Dec. 1943. 47.8 C166
- 8799 NEWMAN, TOM. It's individuality that matters in poultry breeding. Mod. Poultry Keeping 49: 444, 445. Dec. 22, 1943. 47.8 Eg3
- 8800 ORDAS, ULISES. La raza Rhode Island Red y su funcion en nuestro medio. Campo y Arados 7 (81): 14. Nov. 1943. 9.9 C152
- 8801 PEASE, MICHAEL. The Cambridge auto-sexing poultry breeds. Mod. Poultry Keeping 49: 388, 389. Dec. 1, 1943. 47.8 Eg3
- 8802 PERKINS, R. L. Pensom effects new standards. All-Pets Mag. 15(8): 50, 55. Jan. 1944. 48.8 A15
- Birmingham Roller pigeon of the Pensom strain.
- 8803 RODWELL, RICHARD. How Black Leghorns are bred. Poultry [London] 93: 411. Dec. 28, 1943. 47.8 P869
- 8804 RYDER, V. A. The evolution of the Australorp. Poultry Farmer [Sydney] 11(3): 22-24; (4): 21-25; (5): 21-24; (6): 19-22; (7): 13-15; (8): 13-16; (9): 15-20; (10): 21-24; (11): 19-23; (12): 19-22; (13): 15-18; (14): 19-23; (15): 25-28; (16): 19-20. June 19, 26, July 3, 10, 17, 24, 31, Aug. 7, 14, 21, 28, Sept. 4, 11, 18, 1943. 280.28 Or32
- 8805 SCHULZ, W. F. Labor of love in Orientals pigeons. (To be cont.) All-Pets Mag. 15(8): 49. 51. Jan. 1944. 48.8 A15
- 8806 TAYLOR, M. W. Breeding for improved egg production. Mod. Poultry Keeping 49: 425. Dec. 15, 1943. 47.8 Eg3
- 8807 TAYLOR, M. W. The Mendelian inheritance of egg laying characters. Mod. Poultry Keeping 49: 406, 407. Dec. 8, 1943. 47.8 Eg3
- 8808 THORNYCROFT, L. B. You can sex-link Old English, Pheasant Fowl within the breed. Poultry [London] 93: 358. Dec. 7, 1943. 47.8 P869
- 8809 WRIGHT, G. F. Exhibition poultry: Mahogany Russian Orloffs, the amazing Hooded Himalayan fowl. West. Poultry Jour. 6(2): 4. Dec. 1943. 47.8 W528
- 8810 WRIGHT, G. F. Exhibition poultry: the Silver Spangled Hamburg fowl. (Cont.) West. Poultry Jour. 6(1): 4. Nov. 1943. 47.8 W528
- 8811 WRIGHT, G. F. Himalayan sires muff breeds. All-Pets Mag. 15(8): 47. Jan. 1944. 48.8 A15
- A breed of Game fowl.

## Feeds and Feeding

- 8812 ALEXANDER, A. K. S. Feeding for health inheritance. Farmer & Stock-Breeder 58: 73. Jan. 11, 1944. 10 F228
- 8813 ALEXANDER, A. K. S. Light on coupons for poultry feed, and control. Farmer & Stock-Breeder 57: 1925. Dec. 7, 1943. 10 F228
- 8814 ALMQUIST, H. J., and ASMUNDSON, V. S. High protein mashers for broilers. Poultry Sci. 23: 67-71. Jan. 1944. 47.8 Am33P
- 8815 BAYON, H. P. Do not buy crooked breasted pullets. Poultry Farmer [London] 109(2841): 8. Dec. 5, 1943. 47.8 F512
- Vitamin-D requirements of poultry.
- 8816 BIRD, H. R. Dehydrated pea vines and starfish meal in poultry feeds. Poultry Sci. 23: 76-77. Jan. 1944. 47.8 Am35P
- 8817 BOBBY, F. C. Soaked wheat, feeding for poultry. Primary Prod. 28(46): 2. Nov. 15, 1943. 23 P932
- 8818 BRANT, A. W., and CARVER, J. S. Growing pullets under protein conservation plan. Flour & Feed 44(8): 20, 50. Jan. 1944. 298.8 F66
- 8819 CAPIN, A. Poultry and feed substitutes. Farm Front 2(1): 2. Jan. 1944. 281.8 F229
- 8820 CAVERS, J. R. Use of laying and breeder concentrates to supplement feeds produced on the farm. Weekly Market News & Mod. Farmer 22(2): 4. Jan. 12, 1944. 286.81 C762A
- 8821 CUNNINGHAM, K. H. Greater health secured from program of restricted feeding of pullets. Canada Poultryman 30(12): 9-11. Dec. 1943. 47.8 C166
- 8822 DEUEL, H. J. JR., and others. Studies on carotenoid metabolism. IV. The effect of vitamin A intake on the carotenoid and vitamin A content of the eggs, liver, blood and body fat of hens. Jour. Nutr. 26: 673-685. Dec. 1943. Ref. 389.8 J82
- M. C. Hrubetz, F. H. Mattson, M. G. Morehouse, and Alan Richardson, joint authors.
- 8823 \*DMITROCHENKO, A. P. Otlozhenie proteina i shira u petukhov na ratsione prigodnom dlia nesushk (Retention of protein by cocks fed a ration adequate for laying hens). Vologda Agr. Inst. Proc. (1942) 5: 99-106. 106 V882
- 8824 \*DMITROCHENKO, A. P. Tsennost' kormovoi smesi v pitanii kur (The value of a nutritive combination for the nutrition of hens). Vologda Agr. Inst. Proc. (1942) 5: 107-111. 106 V882
- 8825 DRYDEN, HORACE. Some feeding principles. Calif. Cult. 91: 44. Jan. 22, 1944. 6 C12
- 8826 EIFORT, J. E. Silage for poultry. Coop. Poultryman 8(12): 9. Dec. 1943. 47.8 C782
- 8827 EVANS, R. J., CARVER, J. S., and BRANT, A. W. The influence of dietary factors on egg shell quality. I. Phosphorus. II. Calcium. Poultry Sci. 23: 9-15, 36-42. Jan. 1944. 47.8 Am35P
- 8828 EVANS, R. J. Phosphorus supplements in the chick ration. Washcoegg 21(9): 16, 28. Jan. 1944. 47.8 W27
- 8829 GLEASON, H. D. Does it pay to have a greenfeed plan for turkeys? Washcoegg 21(9): 17-18. Jan. 1944. 47.8 W27
- 8830 GRAU, C. R., and ALMQUIST, H. J. The utilization of the sulfur amino acids by the chick. Jour. Nutr. 26: 631-640. Dec. 1943. Ref. 389.8 J82
- 8831 HADLINGTON, E. Poultry nutrition. Poultry Farmer [Sydney] 11(21): 21-22. Oct. 23, 1943. 280.28 Or32
- "Poultry Notes."
- 8832 HAMMOND, J. C. Partial substitutes for soybean meal. Poultry Sci. 23: 78. Jan. 1944. 47.8 Am35P
- 8833 HAMMOND, J. C., and TITUS, H. W. The use of soybean meal in the diet of growing chicks. Poultry Sci. 23: 49-57. Jan. 1944. 47.8 Am35P



- 9834 HARVEY, J. R. Essential proteins. Poultry [London], 94: 6. Jan. 4, 1944. 47.8 P869
- 9835 HAYDEN, WILLARD. New Hampshire in research. Hamps help Iowa State College scientists discover dietary factors affecting feather growth. N. H. Breeder 6(4): 10. Dec. 1943. 47.8 N45
- 9836 HEUSER, G. F. Overcoming the vitamin A deficit of poultry rations. Grain and Feed Jour. Consolidated 91: 530. Dec. 22, 1943. 298.8 G762
- 9837 HEUSER, G. F. Vitamin A deficit in poultry rations can be offset by using fish oils and other substitutes. Feed Bag 20(1): 21-22. Jan. 1944. 389.79 F32
- 9838 HEYWANG, B. W., and MORGAN, R. B. A comparison of a pelleted and unpelleted all-mash diet for growing chickens. Poultry Sci. 23: 16-20. Jan. 1944. 47.8 Am33P
- 9839 HOFFMAN, H. A. Feeding for health. Calif. Cult. 91: 38, 43. Jan. 22, 1944. 6 C12
- 9840 HOLMAN, R. L. Canned pasture for layers...value of silage for poultry feeding. Everybodys Poultry Mag. 49(2): 13, 29-30. Feb. 1944. 47.8 F213P
- 9841 JONES, HARRY. Forced grazing; what the war has taught a farmer. Poultry Farmer [London], 109(2843): 2. Dec. 17, 1943. 47.8 F312
- Advantages of grass runs for poultry.
- 9842 KENNARD, D. C. Feed incubator eggs to poultry in '44. Feedstuffs 16(2): 24-25. Jan. 8, 1944. 286.81 F322
- Unhatched incubator eggs when cooked furnish protein, mineral, and vitamin supplement to poultry rations.
- 9843 LEUSCHNER, F. H. Avoid thin egg shells with proper rations. Pa. Grange News 40(10): 15. Jan. 1944. 6 P38
- 9844 LODGE, CYRIL. Greens Scarce? Poultry Farmer [London], 109(2841): 6. Dec. 3, 1943. 47.8 F312
- Several substitute feeds rich in vitamins suggested
- 9845 MCARDLE, A. A. Feeding shrivelled wheat to poultry. So. Austral. Dept. Agr. Jour. 47: 85-86. Sept. 1943. 23 So84
- 9846 PARKHURST, R. T., and others. Crab meal in poultry rations. II. Chick and broiler rations. Poultry Sci. 23: 58-64. Jan. 1944. 47.8 Am33P
- M. S. Gutowska, J. A. Lubitz, and C. R. Fellers, joint authors.
- 9847 PRIKE, W. J. Potato success as a poultry feed. Poultry Farmer [London], 109(2843): 6. Dec. 17, 1943. 47.8 F312
- 9848 ROBERTSON, E. I. Getting eggs with present feeds. [N. Y.] Essex County Farm & Home Bur. News 26(12): 8. Dec. 1943. 275.293 N. Y., Essex Co. Suggestions as to feeds and feeding.
- 9849 ROBERTSON, E. I. What happens if vitamin A is short in the layer ration. [N. Y.] Rensselaer Co. Farm Bur. News 20(10): 8. Jan. 1944. 275.293 N. Y., Rensselaer Co.
- 9850 ROY, J. B. L'alimentation des poules. Bul. des Agr. 40(1): 18-19. Jan. 1944. 7 B872
- 9851 TEMPERTON, H. and DUDLEY, F. J. Feeding processed kitchen waste to laying pullets. Harper-Adams Util. Poultry Jour. 28: 59-62. Oct. 1943. 47.8 P8612
- 9852 TEMPERTON, H. Feeding waste apples to poultry. Nature [London], 153: 30-31. Jan. 1, 1944. 472 N21
- 9853 TEMPERTON, H. and DUDLEY, F. J. Home grown crops for poultry feeding. Harper-Adams Util. Poultry Jour. 28: 66-70. Oct. 1943. 47.8 P8612
- 9854 TEMPERTON, H. Some nutritional causes of discolourations in the internal contents of eggs. Harper-Adams Util. Poultry Jour. 28: 71-76. Oct. 1943. 47.8 P8612
- 9855 TITUS, H. W. Three essential vitamins [A, D, and riboflavin]; Each year poultrymen spend \$25,000,000 for them. Poultry Tribune 50(2): 18, 38. Feb. 1944. 47.8 P8642
- 9856 TULLY, W. C. Use of choline for turkey poults and breeders. Feedstuffs 16(3): 39-40. Jan. 15, 1944. 286.81 F322
- 9857 VANDERVOET, JOHN. Protein from grass is a feed stretcher, how to get the most from your range. Poultry Tribune 50(2): 15, 46-48. Feb. 1944. 47.8 P8642
- 9858 WHERRY, LARRY. How much feed to expect; wise use in 1944 will be necessary to make it stretch. Poultry Tribune 50(2): 13, 48-49. Feb. 1944. 47.8 P8642
- 9859 WRIGHT, M. M. and DUDLEY, F. J. Feeding of town food waste and steamed potatoes to laying ducks. Harper-Adams Util. Poultry Jour. 28: 63-65. Oct. 1943. 47.8 P8612

# Veterinary Medicine

- 9860 BAKKER, T. J. Strange softshell case. Poultry Farmer [London], 109(2842): 6-7. Dec. 10, 1943. 47.8 F312
- Pathological conditions cause soft shells of eggs.
- 9861 BAYON, H. P. Two bumbles: one to lance, one to kill. Poultry Farmer [London], 109(2844): 7. Dec. 24, 1943. 47.8 F312
- Bumblefoot in poultry.
- 9862 BELLO, OLIVIER. Criar aves es una fuente preciosa de ingresos económicos. Res 11: 15082-15084. Oct. 20, 1945. 286.85 R31
- Physiological indications of good egg producers as an aid in selecting stock.
- 9863 BRYANT, R. L. A Single Comb White Leghorn pullet with two ovaries and oviducts. Poultry Sci. 23: 77-78. Jan. 1944. 47.8 Am33P
- 9864 BUENO, R. DE C. O tifo aviário: molestia de galinhas e pintos. Rev. dos Criadores 14(14): 65-67. Oct. 1943. 43.8 R32
- 9865 BURT, A. S. Effect of biotin on chick spinal ganglia in tissue culture. Soc. Expt. Biol. and Med. Proc. 54: 191-195. Nov. 1943. 442.9 S01
- Apparently not useful for nerve regeneration.
- 9866 CANHAM, A. S. A rickettsia-like organism found in the blood of pigeons. So. African Vet. Med. Assoc. Jour. 14: 83-89. Sept. 1943. Ref., p. 88-89. 41.8 So8
- 9867 CARSON, J. R., and COLE, R. K. Absence of breed differences in bactericidal power of blood plasma of chickens over Salmonella pullorum. Poultry Sci. 23: 43-48. Jan. 1944. 47.8 Am33P
- 9868 COLES, J. D. W. A. Dilatation of the small intestine of the fowl. So. African Vet. Med. Assoc. Jour. 14: 94-98. Sept. 1943. 41.8 So8
- Cause not determined. Apparently inherited.
- 9869 CONN, G. H. Prevention and treatment of winter diseases. Poultry and Rabbit Monthly 11(11): 8-9. Dec. 1943. 47.8 P8654
- 9870 CORRELL, J. T., and WISE, E. C. The comparative toxicity of calciferol, A.T. 10, and cod liver oil concentrate for chicks. Jour. Nutr. 26: 641-648. Dec. 1943. 389.8 J82
- 9871 DEOME, K. B. Resistance to lymphomatosis. Calif. Cult. 91: 42-43. Jan. 22, 1944. 6 C12
- 9872 EDGAR, S. A., and HERRICK, C. A. Feeding habits in relation to the severity of cecal coccidiosis, Eimeria tenella. Poultry Sci. 23: 50-55. Jan. 1944. 47.8 Am33P
- 9873 EIFORT, J. E. A poultryman and his money. Coop. Poultryman 8(12): 4. Dec. 1943. 47.8 C782
- Warning against patent medicines.
- 9874 EMEL, M. W. Perosis in swans and chickens fed manganese-fortified mash. Amer. Vet. Med. Assoc. Jour. 104: 30, 32. Jan. 1944. 41.8 Am3



- 9875 GOFF, O. E. Prevent coccidiosis in chicks. Farm and Ranch 63(1): 26. Jan. 1944. 6 F31
- 9876 GONÇALVES DE AZEVEDO, ALTAMIR. Pulorose. Brazil. Min. da Agr. Bol. 32(1): 59-65. Jan. 1943. 9.2 Ag83
- 9877 GORRIE, C. J. R. Infectious, Laryngo, Tracheitis, serious disease of fowls should not be under-estimated. Stock and Land 33(45): 3. Nov. 10, 1943. 49 St63
- 9878 HAYS, F. A. Chondrodystrophy in Rhode Island Reds. Amer. Nat. 78: 54-58. Jan./Feb. 1944. 470 Am36
- An inherited abnormality, probably due to faulty metabolism.
- 9879 HERRICK, E. H. Some influences of stilbestrol, estrone, and testosterone propionate on the genital tract of young female fowls. Poultry Sci. 23: 65-66. Jan. 1944. 47.8 Am33P
- 9880 \*\*HIET, G. Pathological findings in fowl plague. Allat. Lapok, No. 7, p. 37. 1942. Abs. in Vet. Bul. 13: 388. Nov. 1943. 41.8 T752
- 9881 HOWES, H. Colds and moulting in pullets. Mod. Poultry Keeping 49: 388. Dec. 1, 1943. 47.8 Eg3
- 9882 LIKERMAN, J. E. El moquillo de las aves (coriza infecciosa). Esnea 50(1262): 5. Oct. 17, 1943. 44.8 Es5
- 9883 MACKAY, A. A. Some facts about avian T. B. Poultry [London] 93: 360, 364, 388; 94: 4. Dec. 7, 21, 1943; Jan. 4, 1944. 47.8 P869
- 9884 NEWMAN, TOM. Some simple remedies for poultry troubles. Mod. Poultry Keeping 49: 405. Dec. 8, 1943. 47.8 Eg3
- 9885 NEWTON, L. Methods of reducing wastage due to disease in poultry flocks. Poultry Farmer [Sydney] 11(7): 32-36; (8): 29-30. July 17, 24, 1943. 280.28 Or32
- 9886 \*PALLASKE, G. Über hauttuberkulose beim huhn. Deut. Tierärztl. Wchnschr. 50: 101-104. Feb. 28, 1942. 41.8 D482
- 9887 PIMENTEL, MESQUITA. Os milagres da colquicina. Chacaras e Quintais 68: 304-305. Sept. 15, 1943. 9.2 C34
- Effect on poultry.
- 9888 RAIMO, H. F. Noções sobre a formação do ovo das aves. Rev. dos Criadores 14(14): 61-63. Oct. 1943. 43.8 R32
- Reproductive organs of the hen, and physiology of laying.
- 9889 SELYE, HANS. Morphological changes in the fowl following chronic overdosage with various steroids. Jour. Morph. 73: 401-421. Nov. 1943. Ref., p. 414-416. 44.8 J826

#### Miscellaneous

- 9890 ALEXANDER, A. K. S. Faith in poultry future in Great Britain persists. Farmer & Stock-Breeder 57: 2037. Dec. 28, 1943. 10 F228
- 9891 ALP, H. H. The "Peru" turkey does well in Brazil. Amer. Poultry Jour. 75(1): 63-65. Jan. 1944. 47.8 Am32
- 9892 AMMON, J. L. The mistakes of a backyard chicken farmer. Pa. Farmer 130(1): 6, 26-28, 31. Jan. 5, 1944. 6 F383
- 9893 ANGELL, G. N. The Sagers can tell you to a gnat's eyebrow about poultry raising. Wash. Farmer 69(1): 3. Jan. 6, 1944. 6 R151
- 9894 ASMUNDSON, V. S. Measuring strain differences in the conformation of turkeys. Poultry Sci. 23: 21-29. Jan. 1944. 47.8 Am33P
- 9895 BENSON, F. W. Getting pullets over the neck moult and preventing the "winter pause." Canada Poultryman 30(12): 21-22. Dec. 1943. 47.8 C166

- 9896 BENNETT, J. A year's record of a "backyard" flock. Harper-Adams Util. Poultry Jour. 28: 77-79. Oct. 1943. 47.8 P8612
- 9897 BENTLEY, JULIAN. British raise chickens in the backyard. Prairie Farmer 116(2): 15, 22. Jan. 22, 1944. 6 P883B
- 9898 BIRTWISTLE, VICTOR. Chick rearing on the smallholding. Mod. Poultry Keeping 49: 401. Dec. 8, 1943. 47.8 Eg3
- 9899 BOBBY, F. C. Principles and practice of chicken-rearing. (Cont.) New Zeal. Jour. Agr. 67: 372-373. Nov. 15, 1943. 23 N48J
- 9900 BRENES, ROBERTO (H.). Producción de pollos. (To be cont.) Agr. Costarricense 1: 95-96 July 1943. 8 Ag895
- In Costa Rica.
- 9901 BRONKHORST, J. J. Methods of rearing chicks. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 182, 2 p. Pretoria, 1943. 24 So82P
- 9902 BROOKE, PETER. Pullets that hang fire. Poultry Farmer [London] 109(2844): 6, 7. Dec. 24, 1943. 47.8 F312
- Reasons for retarded laying.
- 9903 BROOMHEAD, W. W. Buying pullet chickens for autumn and winter egg production. Poultry [London] 93: 392, 396. Dec. 21, 1943. 47.8 P869
- 9904 BROOMHEAD, W. W. Changing from small-scale to commercial breeding in Great Britain. Poultry [London] 93: 408. Dec. 28, 1943. 47.8 P869
- 9905 BROOMHEAD, W. W. Growing chickens in a garden. Poultry [London] 94: 8. Jan. 4, 1944. 47.8 P869
- 9906 BROOMHEAD, W. W. Keeping layers in batteries. Poultry [London] 93: 360. Dec. 7, 1943. 47.8 P869
- 9907 BROOMHEAD, W. W. Making a start with six pullets. Poultry [London] 93: 376. Dec. 14, 1943. 47.8 P869
- 9908 BURMASTER, C. N. The Madison Square Garden [Poultry] Show. Amer. Poultry Jour. 75(2): 74-76. Feb. 1944. 47.8 Am32
- 9909 CASTRO BIEDMA, PEDRO. La crianza artificial. (Concl.) Pampa Argentina 17(194): 10. Oct. 1943. 9 P19
- 9910 CHANSLER, W. S. Early brooding practices that pay. Amer. Poultry Jour. 75(1): 5, 12-14. Jan. 1944. 47.8 Am32
- 9911 CHESLEY, C. H. February, the month for hatching. Amer. Poultry Jour. 75(2): 77-79. Feb. 1944. 47.8 Am32
- 9912 CLINTON, H. F. The small poultry flock; egg production in the backyard. Victoria Dept. Agr. Jour. 41: 531-536. Nov. 1943. 23 V66J
- 9913 COLLINSON, HARRY. The poultry industry, future's in hand. Farmers Weekly [London] 19(27): 32. Dec. 31, 1943. 10 F2226
- The breeding stock for Great Britain.
- 9914 COSBY, H. E. Cosby's poultry chats; concerning 1944 poultry farm plans. Eggsaminer 20(2): 2, 12-13. Jan. 1944. 286.85 Eg32
- 9915 DAKAN, E. L. Poultry and rats don't mix. Ohio Farmer 193(2): 14-15. Jan. 15, 1944. 6 Oh3
- 9916 DANCY, CORA. Fried chicken in eight weeks? Prog. Farmer, Miss.-Ark.-La. Ed. 59(2): 58. Feb. 1944. 6 So81
- Care and management of chicks.
- 9917 DAUBS, EDDIE. Buy good baby chicks and those suited to your need. Amer. Farm Youth 9(7): 14. Dec. 1943. 6 Am393
- 9918 DRYDEN, H. W. Why they die. The rearing of chicks is subject to many hazards. Poultry Farmer [Sydney] 11(22): 11-15. Oct. 30, 1943. 280.28 Or32
- "('Dryden Poultry Magazine')."



- 9919 EIFORT, J.E. Egg shells. Coop. Poultryman 8(12): 11. Dec. 1943. 47.8 C782
- 9920 EIFORT, J.E. Peace and the poultryman. Coop. Poultryman 8(12): 8. Dec. 1943. 47.8 C782
- The problem of lessened demand after the war.
- 9921 FELDKAMP, WALTER. After the start what? Amer. Racing Pigeon News 59(12): 1-2. Dec. 1943. 47.8 H75
- Discusses care and management with pigeons.
- 9922 FOX, W. M. Hints for handling baby chicks. Pacific Poultryman 48(1): 5-6. Jan. 1944. 47.8 P113
- 9923 GODFREY, A. M. Yorkshire egg laying; test starts with low production. Mod. Poultry Keeping 49: 385. Dec. 1, 1943. 47.8 Eg3
- 9924 GORDON, M. D. Keep your poultry pens dry. Field 182: 622. Dec. 11, 1943. 10 F45
- 9925 GROSS, E. R. Build rats out of the poultry house; also starve them out and out-smart them in every way possible. Amer. Poultry Jour. 75(1): 6, 36-37. Jan. 1944. 47.8 Am32
- 9926 HAFPERT, W. A. This is the farm that Darby built. N. J. Farm and Garden 15(1): 34, 36, 37. Jan. 1944. 6 G162
- C. T. Darby's poultry farm near Somerville, N. J.
- 9927 HAMBLETON, J.A. Pointers for successful poultry production. Ohio Farm Bur. News 23(6): 20-21. Jan. 1944. 6 Oh34
- 9928 HATCHERY TRIBUNE. 1944 merchandising directory; feed, supplies, equipment, health products, flock improvement. Hatchery Tribune, v. 18, No. 1, 146 p. Jan. 1944. 47.8 H28
- Includes lists of institutions, associations, publications, and periodicals.
- 9929 HOFFMANN, EDMUND. Sets a standard of production for broiler producers. Peninsula Broiler Jour. 3(17): 1-3. Jan. 3, 1944. 47.8 P37
- 9930 HORSNELL, CHARLES. Improve your stock for egg production. Poultry [London] 93: 339. Nov. 30, 1943. 47.8 P869
- 9931 HORTON, D. H. What is "average" egg production? Amer. Poultry Jour. 75(2): 82-83. Feb. 1944. 47.8 Am32
- 9932 INGRAM, CLYDE. Winter egg production. Farm and Ranch 63(2): 19. Feb. 1944. 6 F31
- 9933 INSIDE a large-scale hatchery, how the task of chick production is carried on. Mod. Poultry Keeping 49: 444, 445. Dec. 22, 1943. 47.8 Eg3
- 9934 IVEY, JOHN. Purchase good chicks at right time. This Month in Rural Ala., Jan. 6, 1944. p. 4. 6 T34
- 9935 JAMES, LOCKE. Be ready for the chicks. Cackle and Crow 26(3): 4. Jan. 15, 1944. 47.8 C11
- 9936 JAMES, LOCKE. Helpful pointers on duck rearing. Poultry Tribune 50(2): 77-78. Feb. 1944. 47.8 P8642
- 9937 JAMES, LOCKE. Try "incentive pay" on production line. Cackle and Crow 26(3): 12. Jan. 15, 1944. 47.8 C11
- Care and management with poultry.
- 9938 JOHNS, EDWIN. Started pullets. Everybodys Poultry Mag. 49(1): 13, 51. Jan. 1944. 47.8 F213P
- Equipment, mortality, culling, and care are reduced.
- 9939 JONES, R. E. Planning the poultry year. Best advice is to face conditions--with normal, sound business procedure. Amer. Poultry Jour. 75(1): 4, 20-21. Jan. 1944. 47.8 Am32
- 9940 JONES, R.E. Rats and cannibalism in poultry. New England Homestead 117(1): 17. Jan. 8, 1944. 6 N442
- 9941 KAUFFMAN, H. H. Turkeys suffer from rains and wet snows. Pa. Grange News 40(10): 7. Jan. 1944. 6 P38
- 9942 KENNERLY, A. B. Turkeys grow fat among the post oaks. Farm and Ranch 63(1): 1, 28, 29. Jan. 1944. 6 F31
- Turkey projects sponsored by teachers of vocational agriculture in the post oak region of east Texas.
- 9943 KLEIN, G. T. Distribute your hatches... at several different times during the year. Everybodys Poultry Mag. 49(2): 12, 24. Feb. 1944. 47.8 F213P
- 9944 KLEIN, G. T. Helpful broiler hints... cockerels as a by-product in the production of pullets. Amer. Poultry Jour. 75(2): 4, 24-25. Feb. 1944. 47.8 Am32
- 9945 KLEIN, PATSY. Give them a good start by careful management. Calif. Cult. 91: 34. Jan. 22, 1944. 6 C12
- 9946 LABARTHE, C. A. Fertilidad e incubabilidad en los huevos de gallina. Mundo Avicola 6(70): 7, 14, 16-18. Dec. 1943. 47.8 M92
- 9947 LANDRETH, W. A. Ottawa Poultry Conference high-lights outlined. Manitoba Co-op. 1(15): 6. Feb. 1, 1944. 280.28 M31
- 9948 LEE, C. E. The chick program for 1944. Everybodys Poultry Mag. 49(1): 11, 43-45. Jan. 1944. 47.8 F213P
- 9949 LEUSCHNER, F. H. Do a better brooding job. Everybodys Poultry Mag. 49(2): 11, 51-54. Feb. 1944. 47.8 F213P
- 9950 LLOYD, E. A. Western Canada turkey production review. Canada Poultryman 30(12): 5-6, 17-18. Dec. 1943. 47.8 C166
- 9951 LODGE, CYRIL. Stop that partial moult. Poultry Farmer [London] 109(2844): 6, 7. Dec. 24, 1943. 47.8 F312
- 9952 MAW, W. A. Quebec Poultry Industry Committee holds production conference. Macdonald Col. Jour. 4(5): 17-19. Jan. 1944. 101 M144
- Various phases of egg production.
- 9953 MEYER, OTTO. Pigeons, new records have been made by Army homing pigeons. Radio News 31(2): 248, 410, 412. Feb. 1944. 335.8 R116
- 9954 MOORE, A. C. How shell texture affects hatchability. Poultry [London] 93: 388. Dec. 21, 1943. 47.8 P869
- 9955 MOORE, A. C. Improving winter egg production. Poultry [London] 93: 340. Nov. 30, 1943. 47.8 P869
- 9956 MOORE, A. C. Start planning now for expansion of the poultry industry in Great Britain. Poultry [London] 94: 4. Jan. 4, 1944. 47.8 P869
- 9957 MORGAN, C. L. Win with poultry. South. Agr. 74(1): 30-31. Jan. 1944. 6 So83
- 9958 MUSSER, DON. Unabsorbed yolks often result of improper management of chicks. Checkerboard News 6(1): 10. Jan./Feb. 1944. 389.78 C41
- 9959 NEWMAN, TOM. Battery poultry keeping has a great future. Mod. Poultry Keeping 49: 388, 389. Dec. 1, 1943. 47.8 Eg3
- 9960 NEWMAN, TOM. Don't be too ready to jump to conclusions. Mod. Poultry Keeping 49: 426, 427. Dec. 15, 1943. 47.8 Eg3
- Advice to poultrymen.
- 9961 1,521 HAMPS at 1942-43 contests laid 292,000 big brown eggs. N. H. Breeder 6(4): 5-8, 26-27. Dec. 1943. 47.8 N45
- 9962 OSGOOD, GARDNER. Management of breeding cockerels. Checkerboard News 5(6): 14-15. Dec. 1943. 389.78 C41
- Includes design for special feeder.
- 9963 PARISH, A. J. Life of a layer. Two seasons considered most satisfactory. Poultry Farmer [Sydney] 11(3): 20-21. June 19, 1943. 280.28 Or32
- "Poultry World," England."



- 9964 PEARSON, H. S. The back yard flock. Northeast. Poultryman 37(6): 7. Dec. 1943. 47.8 N44
- 9965 REARDON, H. A. The changing poultry picture. (To be cont.) Northeast. Poultryman 37(6): 13-17, 29. Dec. 1943. 47.8 N44
- The industry during the past forty-five years.
- 9966 REESE, J. R. The success of Bush Farms and Hatchery chicks. Amer. Poultry Jour. 75(2): 50-51. Feb. 1944. 47.8 Am32
- 9967 ROBERTSON, E. I. Water for poultry. Florists Exch. 102(2): 9. Jan. 8, 1944. 80 P666
- 9968 ROHDE, C. E. Chef becomes poultry man. Amer. Poultry Jour. 75(2): 3, 60-61. Feb. 1944. 47.8 Am32
- 9969 ROMANOFF, A. L. Economic value of detecting fertility in fresh eggs. Recent researches indicate the possibility of determining infertility before incubation - this practice would prevent an annual loss of more than 150,000,000 marketable eggs. Farm Res. [N. Y. State Sta., 10(1): 3, 19. Jan. 1944. 100 N48A
- 9970 ROSCOE, CHARLES. Crowded ducks won't lay. Poultry [London], 93: 378. Dec. 14, 1943. 47.8 P869
- 9971 ROSCOE, CHARLES. Damp litter won't hurt ducks--in the open. Poultry [London], 93: 342. Nov. 30, 1943. 47.8 P869
- 9972 ROSCOE, CHARLES. How to avoid leg-weakness in ducklings. Poultry [London], 93: 410. Dec. 28, 1943. 47.8 P869
- Sufficient lime, and exposed to ultraviolet rays.
- 9973 RUTHERFORD, D. M. Turkey egg production needs improvement. Pacific Rural Press, North. Ed. 146: 329. Dec. 11, 1943. 6 P112
- 9974 SARRASQUETA, PEDRO DE. Producción de huevos para el consumo. Pampa Argentina 17(195): 14, 45. Nov. 1943. 9 P19
- 9975 SEVERSON, HAROLD. Bonanza in broilers. Prosperity swept into north Georgia for thousands of farmers when electric water pumps made possible a miracle of chicken production. South. Agr. 74(1): 7, 18, 28. Jan. 1944. 6 So83
- 9976 SHERWOOD, R. M. What can I pay for baby chicks? Farm and Ranch 63(1): 23. Jan. 1944. 6 F31
- Feeding, breeding, and care, all needed for success.
- 9977 STOCKBRIDGE, R. R. "Chicken sense" in the poultryman. Cackle and Crow 26(3): 9. Jan. 15, 1944. 47.8 C11
- 9978 THOMPSON, J. W. Proper selection of turkeys, pays big dividends. Norbest Turkey News 8(5): 1-2, 7. Nov. 1943. 47.38 N75
- 9979 THOMPSON, W. C. Winter management of the poultry flock. Rural New Yorker 103(5571): 1, 18. Jan. 1, 1944. 6 R88
- 9980 TIMMERMAN, HARRY. Keep those Khakis ducks, laying. Poultry Farmer [London], 109(2844): 6. Dec. 24, 1943. 47.8 F312
- 9981 TRIBUNE-WAY brooding guide, a detailed outline of the points you need to follow for success in rearing chicks. Poultry Tribune 50(2): 14. Feb. 1944. 47.8 P8642
- 9982 TURKEY WORLD. 1944 directory issue and annual review number. Turkey World, v. 18, No. 1, 114 p. Jan. 1944. 47.38 T84
- Includes lists of institutions, organizations, and bulletins on turkeys; information as to buildings and equipment; table outlines of diseases, and of brooding; also the following articles: Vitamins for turkeys (revised Jan. 1, 1944), by T. H. Jukes, p. 44; Temperature and humidity in the turkey incubator, by J. H. Martin, p. 46-47, 49; How fast do turkeys grow? How much do they eat? by L. E. Cline, p. 72.

- 9983 WENE, E. H. Poultry shows - their importance and effectiveness. Northeast. Poultryman 37(6): 18, 20-21. Dec. 1943. 47.8 N44
- Also in Cackle and Crow 26(3): 6. Jan. 15, 1944. 47.8 C11; Poultry and Rabbit Monthly 12(1): 8-9. Jan. 1944. 47.8 P8654

"(From the Congressional Record)"

- 9984 WHARRAM, HARRY. Floors beat cages for poultry. Poultry Farmer [London], 109(2842): 6, 7. Dec. 10, 1943. 47.8 F312

- 9985 WHELDON, H. G. Ducks on the farm. Rhodesia, South. Min. Agr. and Lands. Bul. 1245, 12 p. Salisbury, 1943. 24 R345

Also in Rhodesia Agr. Jour. 40: 308-318. Sept./Oct. 1943. 24 R34

- 9986 WILLIAMS, G. T. Post-war shows and laying tests. Poultry [London], 93: 390. Dec. 21, 1943. 47.8 P869

## RABBITS

### Breeds and Breeding

- 9987 BEETCH, ALAN. Aim at breeding Chinchillas to standard. Poultry [London], 93: 393. Dec. 21, 1943. 47.8 P869

- 9988 BEETCH, ALAN. Breed rabbits to a plan. Poultry [London], 93: 361. Dec. 7, 1943. 47.8 P869

- 9989 BEETCH, ALAN. How to get litters in winter. Poultry [London], 93: 345. Nov. 30, 1943. 47.8 P869

- 9990 BEETCH, ALAN. This fur rabbit, the Havana, is a small eater. Poultry [London], 94: 9. Jan. 4, 1944. 47.8 P869

- 9991 BEETCH, ALAN. Why the Rex is so popular. Poultry [London], 93: 409. Dec. 28, 1943. 47.8 P869

- 9992 CLARK, C. C. My experience with New Zealand Reds. Calif. Rabbits Mag. 7(6): 8. Jan. 1944. 40.28 Sa5

- 9993 GELBEKE, C. A., SR. Survival of the fittest. Standard Rabbit Jour. 17(4): 14. Jan. 1944. 40.28 St2

- 9994 GRINSTED, W. T. The Angora; popular as a double purpose breed--raised in any climate. Amer. Rabbit Jour. 13: 163-164. Nov. 1943. 40.28 Am3

- 9995 HUMPHREY, R. E. Chinchillas for meat production; gentle, easily handled and good producers. Amer. Rabbit Jour. 13: 167. Nov. 1943. 40.28 Am3

- 9996 HUMPHREY, R. E. Raising Standard Chinchillas for meat production. Amer. Small Stock Farmer 28(4/5): 5. Dec. 1943/Jan. 1944. 48.8 J82

Also in Calif. Rabbits Mag. 7(6): 8. Jan. 1944. 40.28 Sa5

- 9997 REYNOLDS, V. R. Angora rabbits for meat or wool. Small Stock Mag. 28(1): 4. Jan. 1944. 48.8 P442

- 9998 SNOW, C. F. Buying a stud buck? Mod. Poultry Keeping 49: 389. Dec. 1, 1943. 47.8 Eg3

- 9999 STOUT, R. P. My views for the new breeders. Small Stock Mag. 28(1): 4. Jan. 1944. 48.8 P442

- 10000 TEMPLETON, G. S. Yellow fat - an inherited characteristic. Calif. Rabbits Mag. 7(6): 3. Jan. 1944. 40.28 Sa5

### Feeds and Feeding

- 10001 GORDON, M. D. Rabbit keeping without rations. Field 182: 644. Dec. 18, 1943. 10 F45

- 10002 NEWHAVEN, E. W. Growing rabbits for success and profit. Poultry and Rabbit Monthly 11(11): 6-7. Dec. 1943. 47.8 P8654

Discussion of feeding.

- 10003 WILSON, W. E. Silage as a winter food-stuff for rabbits. Harper-Adams Util. Poultry Jour. 28: 80-83. Oct. 1943. 47.8 P8612



Veterinary Medicine

- 10004 BAYON, H. P. Real origin of the "blows." Poultry Farmer [London], 109(2842): 8. Dec. 10, 1943. 47.8 F312  
Bloat in rabbits.  
10005 FARRIS, M. L. Coccidiosis in rabbits. Small Stock Mag. 28(1): 5. Jan. 1944. 48.8 P442  
10006 KRICHESKY, BORIS. Vascular changes in the rabbit uterus and in intraocular endometrial transplants during pregnancy. Anat. Rec. 87:221-234. Nov. 1943. Ref., p. 233-234. 447.3 Anl  
10007 QUEVEDO, J. M. (HIJO). Mixoma de los conejos. Campo [Buenos Aires], 27(324): 32-33, 65. Oct. 1943. 9 C15  
10008 STUBBS, E. L. Rabbit diseases. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 92, p. 13-18. Oct. 16, 1943. 41.9 P386  
10009 WARWICK, E. J., and others. Maintenance of the pregnancy induced in the female rabbit following treatment with pituitary gonadotropins. Anat. Rec. 87: 279-296. Nov. 1943. Ref. 447.8 Anl  
R. L. Murphree, L. E. Casida, and R. K. Meyer, joint authors.  
10010 WOODARD, B.T. Sore eyes in rabbits. Poultry and Rabbit Monthly 11(11): 7, 15. Dec. 1943. 47.8 P8654

Miscellaneous

- 10011 ARMENTA, A. L. Cría de conejos. Rev. Nac. de Agr. [Bogotá], 37(473): 23-24. Nov. 1943. 9.4 R32  
In Colombia.  
10012 BEETCH, ALAN. Make the best of your pelts. Poultry [London], 93: 377. Dec. 14, 1943. 47.8 P869  
Suggestions as to skinning.  
10013 CARIL, E. D. Promoters are with us again. Small Stock Mag. 28(1): 9. Jan. 1944. 48.8 P442  
Suggestions for buying rabbit stock.  
10014 HARDER, H. J. Angora wool rabbit raising; lesson 14 of a 20-lesson course running Jan. to Dec. 1943. Amer. Rabbit Jour. 13: 165-166. Nov. 1943. 40.28 Am3  
Lesson 14. How to select and sell breeding stock--exhibiting stock.  
10015 LENINGTON, NORMAN. Rabbitry; a new profession for many who are going "back to the land." Amer. Small Stock Farmer 28(4/5): 4. Dec. 1943/Jan. 1944. 48.8 J82  
10016 ODERKIRK, G. C. About those [wild] rabbits, a trap is the thing. Wis. Hort. 34: 86, 88. Jan. 1944. 80 W752  
Control methods, best use of traps, and that of Wellhouse design described.  
10017 SHULTZ, E. B., JR. Culling Checkered Giants at birth. Small Stock Mag. 28(2): 10-11. Feb. 1944. 48.8 P442  
10018 SNOW, C. F. Winter comfort for rabbits, no dampness or draughts. Mod. Poultry Keeping 49: 445. Dec. 22, 1943. 47.8 Eg3  
10019 WILSON, W. E. How to kill. Poultry Farmer [London], 109(2844): 9. Dec. 24, 1943. 47.8 F312

SHEEP AND GOATSBreeds and Breeding

- 10020 \*RICKHOFF. Siegerehrenpreis des reichsministers für ernährung und landwirtschaft für die beste leistung auf dem gebiete der schafszucht in der landesbauernschaft Niedersachsen im Jahre 1941. Deut. Landw. Tierzucht 47: 5-6. Jan. 2, 1943. 49 D48  
10021 GREVE S., GERMAN. La raza Magallánica de ovejunos y sus primeros pasos. Agrario [Santiago, Chile], 8(324): 3, 10. Sept. 30, 1943. 9.3 Ag85

- 10022 \*JOHANSSON, IVAR, and HANSSON, ARTUR. The sex ratio and multiple births in sheep. Uppsala. Lantbr.-Högskolan. Ann. 11: 145-171. 1943. Ref., p. 169-171. 104 Up6  
10023 LITTON, G. W. Sheep breeding plans. East. Breeder 5(8): 22-23. Jan. 1944. 49 V81  
10024 LUTES, OMER. This is confidential; we wish to speak to you if you are a [goat] breeder of purebred stock. Dairy Goat News 5(8): 7-8. Feb. 1944. 40.18 Am34  
10025 \*OBERHAUSER, JAKOB. Die körungen der deutschen veredelten landschaftböcke im gebiete der landesbauernschaft Bayern 1942. Deut. Landwirt. Tierzucht 47: 29-30. Jan. 23, 1943. 49 D48  
10026 PINHEIRO JUNIOR, G. C. Melhorando os caprinos do Nordeste. Chacaras e Quintais 68: 472. Oct. 15, 1943. 9.2 C34  
10027 SANDBURG, MRS. CARL. First freshening of goats, as yearlings. Goat World 29(1): 18-20. Jan. 1944. 40.18 G53  
10028 SIMMONS, V. L. Overcoming the problem of seasonal breeding in milk goats. Goat World 29(1): 21-23. Jan. 1944. 40.18 G53  
10029 TERRILL, C.E. More profit in open-face ewes. Mont. Wool Grower 18(1): 13, 47. Jan. 1944. 45.8 M762

Feeds and Feeding

- 10030 BAYLISS, MRS. W. G. What to buy with our ration coupon and how to use it. Brit. Goat Soc. Monthly Jour. 36: 69-70. Dec. 1943. 40.19 B77M  
Nutritive value of feedstuffs available for goats.  
10031 HADFIELD, W. V. The rape crop as a lamb fattening feed. New Zeal. Jour. Agr. 67: 337-339. Nov. 15, 1943. 23 N48J  
10032 MOWERY, R. C. Feeding lambs on the south plains of Texas. Sheep and Goat Raiser 24(4): 34. Jan. 1944. 45.8 Sh3

Veterinary Medicine

- 10033 BIESTER, H. E., and SCHWARTE, L. H. Listerellosis of sheep. North Amer. Vet. 25: 34-37. Jan. 1944. 41.3 N812  
10034 BRUCE, E. A. Ophthalmia of sheep caused by Corynebacterium [sic] enzymicum and its transmission to man. Canad. Jour. Compar. Med. 7: 369-371. Dec. 1943. 41.3 C162  
10035 EGERTON, MRS. J. R. Hygiene and first aid in the goat herd. Brit. Goat Soc. Monthly Jour. 36: 61-62. Nov. 1943. 40.19 B77M  
10036 EVANS, J. W. Enterotoxaemia of sheep (pulpy kidney). Victoria. Dept. Agr. Jour. 41: 577-580. Dec. 1943. 25 V66J  
10037 HARSHFIELD, G. S., and ESPLIN, A. L. Reduce liver condemnations in lambs by dosing for Thysanosoma actinioides (fringed tapeworm). Westerner 6(11): 8, 24-25. Dec. 1943. 49 W522  
10038 HEGUITO, H. R. Trichostrongilosis gastrointestinal de los lanares. Campo [Buenos Aires], 27(324): 24-26, 65. Oct. 1943. 9 C15  
10039 HOLM, G. C. Prevent ewe pregnancy disease. Idaho Farmer 62(1): 6. Jan. 6, 1944. 6 G282  
10040 \*LÁSZLÓ, FRANZ. Angeborene lymphangiektasie in a ram. Deut. Tierärztl. Wchnschr. 50: 104-105. Feb. 28, 1942. 41.8 D482  
10041 MARSH, H., and TUNNICLIFF, E. A. Enterotoxaemia in feedlot lambs in connection with an outbreak of coccidiosis. Amer. Vet. Med. Assoc. Jour. 104: 15-14. Jan. 1944. 41.8 Am3  
10042 MARSH, H. Necrobacillosis of the rumen in young lambs. Amer. Vet. Med. Assoc. Jour. 104: 25-25. Jan. 1944. 41.8 Am5  
10043 SWALES, W. E. Common questions regarding the use of phenothiazine for preventing parasitic disease in sheep. Macdonald Col. Jour. 4(4): 8-9. Dec. 1943. 101 M144



- 10044 THATCHER, CARA. Mastitis cure to date for goats. Amer. Dairy Goat News 5(7): 11, 14. Jan. 1944. 40.18 Am34
- 10045 VACCINATION of sheep against infectious necrotic hepatitis and enterotoxemia. Victoria. Dept. Agr. Jour. 41: 540-544. Nov. 1943. 23 V66J
- Instructions given by the veterinary staff.
- 10046 WHITLOCK, H. V. A method for preventing the development of strongylid eggs in sheep faeces during transport and storage. Austral. Council Sci. and Indus. Res. Jour. 16: 215-216. Nov. 1943. 514 Au72J

#### Miscellaneous

- 10047 BURNS, R. H. Increasing clean fleece weights. Natl. Wool Grower 34(1): 18-19. Jan. 1944. 45.8 N21N
- 10048 CASEBEER, A. J. Dairy goat gets boost. Oreg. Dept. Agr. Agr. Bul. 140, p. 24-25. Dec. 1943. 2 Or3
- 10049 CHICAGO FLEXIBLE SHAFT COMPANY. Here's easy-to-learn right way to shear. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 113, 131. Jan. 1, 1944. 6 R153
- 10050 COLLINS, T. C. The old versus the new methods in the sheep industry. Sheepman 14: 280-281. Jan. 1944. 45.8 Sh32
- 10051 CUNNINGHAM, V. J. Growth, feeding and breeding of older kids. Dairy Goat Jour. 21(11): 6-9. Jan. 1944. 40.18 M592
- 10052 DEAN, D. H. Followers of an ancient calling [sheep herding in Europe]. Field 182: 661. Dec. 25, 1943. 10 T45
- 10053 \*GIESEKE, A. Die milchleistungsprüfungen bei ziegen. Deut. Landwirt. Tierzucht 47: 59-61. Feb. 20, 1943. 49 D48
- 10054 GRAHAM, ELMER. Springtime and kidding. Dairy Goat News 5(8): 6, 10. Feb. 1944. 40.18 Am34
- Care and management.
- 10055 GREGORY, W. H. Docking, castrating, creeping lambs. This Month in Rural Ala., Jan. 6, 1944, p. 8. 6 T34
- 10056 GREVE S, GERMAN. Algo mas sobre la leche; las razas mejoradas de caprinos. Campesino [Santiago, Chile, 75: 689. Nov. 1943. 9.3 Sol2
- Goats and goat milk produced in Chile.
- 10057 HAGERMAN, LOWRY. Questions and answers. Natl. Fur News 15(11): 6. Dec. 1943. 412.628 R59
- Effect of Government control on the Karakul sheep breeding industry.
- 10058 JOHNSON, LAMONT. Sally [Stacy Murdock], and her 'three dumb sheep.' West. Farm Life 46(2): 23, 29. Jan. 15, 1944. 6 R153
- Historical account of the sheep and wool industry in Utah.
- 10059 MCMUNN, E. W. Here's what it takes to grow good lambs on a sheep farm in Ohio. Ohio Farmer 193(1): 8. Jan. 1, 1944. 6 Oh3
- 10060 MILLER, R. C. Lambing season determines year's profits. Prog. Farmer, Miss.-Ark.-La. Ed. 59(1): 5, 37. Jan. 1944. 6 So51
- Care and management.
- 10061 MURRAY, J. S. Hill sheep farming in Scotland. Scot. Farmer 51: 1246. Dec. 25, 1943. 10 Sco8
- 10062 SEIBERT, C. M. Foolproof method of butchering. Dairy Goat Jour. 21(11): 4-5. Jan. 1944. 40.18 M592
- 10063 WARD, R. A. The sheep and wool industry in Oregon. Oreg. Dept. Agr. Agr. Bul. 140, p. 5-6, 30. Dec. 1943. 2 Or3
- Historical account.
- 10064 WEIDNER, CHARLES. Dairy goats for the Lakehead country. Stock and Dairy Farmer 33(4): 7, 15. Dec. 1943. 6 N8195

- 10065 WILLIAMS, G. P. From calves to lambs. Natl. Wool Grower 34(1): 21. Jan. 1944. 45.8 N21N
- Advice about calves applied to lambs.
- 10066 WINCHESTER, BURL. Planning our sheep program. Wool News 9(6): 4-5. Jan. 1944. 280.28 W882

#### SWINE

##### Breeds and Breeding

- 10067 BARTHOLOMEW, A. Y. The Hereford hog. South. Stockman 4(1): 18, 74. Jan. 1944. 49 So83
- 10068 BRAGA, J. F. Escolha e tratamento dos reprodutores suínos. Ceres 4: 243-248. Mar./Apr. 1943. 9.2 C332
- 10069 BUNDY, C. E. Iowa Falls breeders stage herd boar clinic. Duroc News 18(1): 104, 106. Jan. 1944. 46.8 N212
- 10070 BUSHNELL, R. J. Linked color factors in Hampshire swine. Jour. Hered. 34: 303-307. Oct. 1943. 44.2.8 Am3
- 10071 EVANS, B.R. Durocs again lead all breeds. Duroc News 18(1): 11, 126, 128, 130-131. Jan. 1944. 46.8 N212
- 10072 FERRIN, E. F. Sow testing; takes the guess work out of pork production. West. Farm Life 46(1, Sect. 2, Ann. Livestock Rev. 1944): 107-108. Jan. 1, 1944. 6 R153
- 10073 HENDERSON, JIM. What makes an all American [Hampshire breed]. Amer. Hampshire Herdsman 19(1): 68, 110, 112, 114. Jan. 1944. 46.8 Am33
- 10074 \*HORN, VAL. Das Pulawer schwein. Deut. Landwirt. Tierzucht 47: 37-39. Feb. 6, 1943. 49 D48
- Includes instructions on feeding.
- 10075 MYERS, JESS. A ringside seat--lard or meat--Mr. Breeder of Hereford swine. Hereford Swine Jour. 4(2): 10. Jan. 1944. 46.8 H42
- 10076 A NEW Hampshire strain, Oklahoma-developed. Amer. Hampshire Herdsman 19(1): 56. Jan. 1944. 46.8 Am33
- 10077 PENNA, VIRGILIO. O porco - a escolha da raça. Chacaras e Quintais 68: 481-482. Oct. 15, 1943. 9.2 C34
- 10078 PIERSON, H. M. What is a good baconer carcass? New Zeal. Jour. Agr. 67: 345-347. Nov. 15, 1943. 23 N48J
- 10079 VIANNA, A. T. Porcos para os frigorificos. Chacaras e Quintais 68: 451-453. Oct. 15, 1943. 9.2 C34
- In Brazil.
- 10080 WENTWORTH, E. N. The post-war outlook for Hampshire breeders. Amer. Hampshire Herdsman 19(1): 100, 125, 129-130, 132-133. Jan. 1944. 46.8 Am33

##### Feeds and Feeding

- 10081 ALIMENTACIÓN de los cerdos modo de determinar la utilidad de los alimentos. Asoc. Argentina Criadores de Cerdos Rev. 22(254): 11, 13, 15, 17-18. Oct. 1943. 46.9 Aa5
- 10082 BRAUDE, R. Toxic effects in the feeding of cocoa meal to pigs. Vet. Jour. 99: 302-307. Dec. 1943. 41.8 V643
- 10083 CARROLL, W. E. Rye pasture cuts production costs. Amer. Hampshire Herdsman 19(1): 118. Jan. 1944. 46.8 Am33
- 10084 COFFEY, J.S. Meeting the protein shortage. Berkshire News 9(2): 9, 28. Dec. 1943. 46.8 B454
- Also in Chester White Jour. 34(1): 3. Jan. 1944. 46.8 W582
- Substitutes in swine feeding.
- 10085 DAVIDSON, H. R. Swill, linseed, chestnuts and English maize for pigs. Farmer & Stock-Breeder 57: 2029. Dec. 28, 1943. 10 F228



- 10086 HUGHES, E. H. Let the pigs do it. West. Livestock Jour. 22(12): 110, 112-113. Jan. 15, 1944. 6 F2278  
Also in Calif. Cult. 91: 52-53. Jan. 22, 1944. 6 C12  
Two experiments in hogging down dwarf milo alone, and with cowpeas added.
- 10087 \*NEUMANN, FRITZ. Die hackfrucht- (kartoffel-, rüben-) mast. Deut. Landwirt. Tierzucht 47: 58. Feb. 20, 1943. 49 D48
- 10088 \*NEUMANN, FRITZ. Zeitgemässe betrachtungen zur schweinehaltung. Deut. Landwirt. Tierzucht 47: 48-49. Feb. 13, 1943. 49.8 D48  
Feeding swine under present feed conditions.
- 10089 \*OTT, K. Die futterfrage in der schweinehaltung. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133(23): 328. June 5, 1943.
- 10090 THOMPSON, C. P. Feeding hogs under war-time conditions. South. Stockman 4(1): 14, 75. Jan. 1944. 49 So83  
Also in Grain & Feed Jours. Consolidated 92(1): 40. Jan. 12, 1944. 298.8 G762
- 10091 WORDEN, A. N. The swill-feeding of pigs in urban areas. Vet. Rec. 55: 448-449. Nov. 13, 1943. 41.8 V641
- 10092 ZAVORAL, H. G. Feed out underweight hogs. Amer. Hampshire Herdsman 19(1): 116. Jan. 1944. 46.8 Am33
- Veterinary medicine
- 10093 FERRAZ DE OLIVEIRA, JOSE. Peste suina. Biológico 9: 531-535. Sept. 1943. 442.8 B529
- 10094 GWATKIN, RONALD. Diseases of swine. Canad. Jour. Compar. Med. 7: 367-368. Dec. 1943. 41.3 C162
- 10095 \*HUGEL, TH. Eierstockgeschwulst. Deut. Tierärztl. Wchnschr. 50: 105. Feb. 28, 1942. 41.8 D482
- 10096 \*LÁSZLÓ, FRANZ. Mikrotia bei schweinen. Deut. Tierärztl. Wchnschr. 50: 146. Mar. 28, 1942. 41.8 D482
- 10097 LUCKEY, D. F. The hog disease situation. Amer. Vet. Med. Assoc. Jour. 104: 5-9. Jan. 1944. 41.8 Am3
- 10098 LYTLE, W. H. Some baby pig diseases. Oreg. Dept. Agr. Agr. Bul. 140, p. 22. Dec. 1943. 2 Or3  
Nutritional diseases.
- 10099 MCNUTT, S. H., and PACKER, R. A. A study of some cases of streptococcus infection in swine. Vet. Student 6: 68-69, 95-97. Fall 1943. 41.8 V6425
- Meningoencephalitis.
- 10100 MAGALHAES, L. M. Verminoses dos suínos. Ceres 4: 182-185. Jan./Feb. 1943. 9.2 C332
- 10101 TAYLOR, A. R., and others. Purification and character of the swine influenza virus. Science 98: 587-589. Dec. 31, 1943. 470 Sc12  
D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. W. Beard, J. H. Dingle, and A. E. Feller, joint authors.
- 10102 \*WALL, SVEN. Om doseringen av rödsjukesserin för svin (Respecting the dosage of swine-erysipelas serum for swine). Skand. Vet. Tidskr. 35: 449-456. Aug. 1943. 41.8 Sk1  
English summary.
- Miscellaneous
- 10103 BARRON, R. L. Pork packin' pupils. Farm and Ranch 63(2): 12-13. Feb. 1944. 6 F31  
Swine projects of Texas high school students of vocational agriculture.

- 10104 BLAIR, J. S. The problems of pig clubs in war-time. Vet. Rec. 55: 445-448. Nov. 15, 1943. 41.8 V641  
Housing, feeding, and diseases.
- 10105 CANADA. PRODUCTION SERVICE. STOCK AND POULTRY DIVISION. Keeping pigs healthy (Western Canada edition). Canada. Dept. Agr. Pub. 755, 12 p. Ottawa, 1943. (Farmers' Bul. 121.) 7 C16F
- 10106 CHIEFFI, ARMANDO. Algumas normas para a criação racional dos suínos. Rev. dos Criadores 14(14): 14-16. Oct. 1943. 43.8 R32
- 10107 CROWN, R. M. "Root hog, and / or die." Farm and Ranch 63(2): 33. Feb. 1944. 6 F31  
Stresses sanitation.
- 10108 DAVIDSON, H. R. Bedding for pigs in winter. Farmer & Stock-Breeder 57: 1959. Dec. 14, 1943. 10 F228
- 10109 DOUGLAS, J. R. Wintering pregnant sows. South. Stockman 4(1): 8. Jan. 1944. 49 So83
- 10110 FERRIN, E. F. Hog raising demands efficiency this year. Markets 11(48): 1, 7. Jan. 13, 1944. 280.38 M343
- 10111 \*GLOCKZIN, ALFRED. Schweineweide sichert den wiederaufbau des schweinebestandes. Mitt. f. die Landw. 58: 526-527. July 3, 1943. 18 D48M
- 10112 \*HARING, F. Die schweinehaltung im 4. kriegsjahr. Deut. Landw. Tierzucht 46: 420-422. Dec. 19, 1942. 49 D48
- 10113 LEE, E. J., JR. More pigs per litter - if we get 'em, let's raise 'em. Prog. Farmer, Miss.-Ark.-La. Ed. 59(2): 30. Feb. 1944. 6 So81
- 10114 LLOYD, E. W. Pig breeders are anxious about the future of the industry. Field 182: 646. Dec. 18, 1943. 10 F45
- 10115 PEARSON, LEONARD. Earlham College farms. One of America's top Hampshire herds just one phase of a well-rounded production program. Amer. Hampshire Herdsman 18(12): 37. Dec. 1943. 46.8 Am33
- 10116 POWELL, E. B. More pork without more brood sows. Country Book 3(3): 89-93. Winter 1944. 6 C836
- 10117 POWELL, W. B. He learned about hogs, experience of twenty years. South. Agr. 74(1): 16. Jan. 1944. 6 So83
- 10118 PULLEN, J. B. Wean more pigs per sow. Duroc News 18(1): 46, 48. Jan. 1944. 46.8 N212
- 10119 \*RINGLER, E. Siegerehrenpreis für die züchterische leistung in Bayern auf dem gebiet der schweinezucht im jahre 1941. Deut. Landwirt. Tierzucht 47: 20-21. Jan. 16, 1943. 49 D48
- 10120 SHELTON, E. J. Unprofitable sows. Queensland Agr. Jour. 57: 309-311. Nov. 1943. 23 Q33
- 10121 SPONG, A. N. Poultrymen should keep a pig. Poultry [London] 93: 404. Dec. 28, 1943. 47.8 P869
- 10122 THOMPSON, C. P. Fall pigs will pay for proper care. South. Stockman 4(1): 10, 78. Jan. 1944. 49 So83
- 10123 VIANNA, A. T. Criando porcos. Chacaras e Quintais 68: 309-310. Sept. 15, 1943. 9.2 C34
- 10124 WEAVER, L. A. Keep pigs from chilling. Chester White Jour. 34(1): 51. Jan. 1944. 46.8 W582
- 10125 WILLMAN, J. P. Do you produce pork economically? N. Y. Albany Co. Farm Bur. News 28(12): 7. Dec. 1943. 275.293 N. Y. Albany Co.
- 10126 ZAVORAL, H. G. How to make best use of available feed supplies. Amer. Hampshire Herdsman 18(12): 41. Dec. 1943. 46.8 Am33  
Care and management, and feed conservation.



## ENTOMOLOGY

## GENERAL

- 10127 FRAENKEL, G., and BLEWETT, M. The basic food requirements of several insects. Jour. Expt. Biol. 20: 28-34. Dec. 1943. 442.8 B77
- 10128 KEIFER, H. H. Applied entomological taxonomy. Pan-Pacific Ent. 20: 1-6. Jan. 1944. 421 P193
- 10129 KERSHAW, J. A. Looking backward. Victorian Nat. 60: 116-120. Dec. 1943. 410 V66
- Bird and insect collecting on the Australian heath.
- 10130 METCALF, R. L., and PATTON, R. L. Fluorescence microscopy applied to entomology and allied fields. Stain Technol. 19: 11-27. Jan. 1944. 442.8 St1
- 10131 MUNRO, H. K. The naming of insects. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 194, 2 p. Pretoria, Nov. 23, 1943. 24 So82P
- 10132 MURPHY, ROBERT. Men with a back-yard jungle. Sat. Evening Post 216(22): 22-23, 109. Nov. 27, 1943. 110 S
- E. W. Teale and insects. With colored photographs.
- 10133 NICHOLAS, W. W. Grub hunters. Field 183: 87. Jan. 22, 1944. 10 F45
- Birds as insect destroyers.
- 10134 RUSSELL, S. G. C., and TURNER, H. J. Records and full descriptions of varieties and aberrations. Exhibited at the Annual Exhibition of the South London Entomological and Natural History Society (October 1942). So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 25-39. Oct. 31, 1943. 420 So8
- 10135 SCHWANWITSCH, B. N. Subdivision of Insecta Pterygota into subordinate groups. Nature [London] 152: 727-729. Dec. 18, 1943. 472 N21
- 10136 TEALE, E. W. Shooting insect life with your camera. Pop. Sci. Monthly 143: HW458-HW461. Oct. 1943. 470 P81
- 10137 THORN, SAM. Let's look around. Wis. Conserv. Bul. 8(12): 28-30. Dec. 1943. 279.8 W752
- Note on goldenrod ball galls and insect inhabitants.
- 10138 WADLEY, F. M. Statistical treatment of percentage counts. Science 98: 536-538. Dec. 17, 1943. 470 Sci2
- Analysis of entomological data.
- GENERAL - ECONOMIC
- 10139 AMUNATEGUI, FRANCISCO. La protección de los cultivos en Francia. Campesina [Santiago, Chile] 75: 622, 624, 626. Oct. 1943. 9.3 Sol2
- Discusses fumigation of agricultural products against insect pests likely to be imported.
- 10140 BEER, JAMES. Parasites of the blue grouse [Dendragapus fuliginosus]. Jour. Wildlife Managt. 8: 91-92. Jan. 1944. 410 J827
- Mentions finding of Degeeriella perplexa, Lagopoecus lyururs and Ornithomyia anchineura on birds.
- 10141 BESS, H. A. Insect attack and damage to white-pine timber after the 1938 hurricane in New England. Jour. Forestry 42: 14-16. Jan. 1944. 99.8 F768
- 10142 CHAPMAN, G. H. Fumigation for the armed forces and for the home front. Pests 12(1): 13-16. Jan. 1944. 449.8 Ex8
- 10143 \*\*CHIAROMONTE, A. Su "La disinfestazione dei semi di cotone per mezzo del calore." Agr. Colon. [Italy] 37: 49. 1943.
- Some remarks on the note of O. Marilli.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 61M. Apr. 1943.

- 10144 COUCH, V. M. Poultry parasites. Poultry & Rabbit Monthly 12(1): 6. Jan. 1944. 47.8 P8654
- Discusses control of mites and lice.
- 10145 DAVIAULT, LIONEL. Importance des épidémies d'insectes dans nos forêts. Forêt Québécoise 7(1): 5. Jan. 1944. 99.8 F79
- 10146 DENNING, J. A. Missouri insect pest and plant disease control. Inspections, shipping regulations, quarantine, statutes. Mo. State Dept. Agr. Bul., v. 41, No. 16, 22 p. Nov. 1, 1943. 2 M69B
- 10147 DOUGLAS, A. T. Control of pests and diseases. New Zeal. Jour. Agr. 67: 364-366. Nov. 15, 1943. 23 N48J
- 10148 EDDY, C. O. Cryolite fast becoming important insecticide. Market Growers Jour. 73: 8, 13. Jan. 1944. 6 M34
- 10149 FRAENKEL, G., and BLEWETT, M. The natural foods and the food requirements of several species of stored products insects. Roy. Ent. Soc. London. Trans. 93: 457-490. Dec. 30, 1943. Refs. 420 L84
- The insects studied were: Tribolium confusum, Stegobium paniceum, Lasioderma serricorne, Oryzaephilus surinamensis, Ptinus tectus, Dermestes vulpinus, Ephestia kuehniella, and E. elutella.
- 10150 FRASER, H. Winter spraying of fruit trees. Gard. Illus. 64: 254. Jan. 1944. 80 G169
- 10151 GLASS, E. H. Value and use of volatile nitriles for household and stored products fumigations. Ohio State Univ. Abs. Doctoral Diss. No. 41, p. 175-185. 1943. 241.8 Oh3
- Test insects used were Attagenus piceus, Cimex lectularius, Blattella germanica, Tribolium confusum.
- 10152 \*\*GÖSS, BRUNO. Zur schädlingsbekämpfung mit dinitroorthokresolen. Geisenheimer Mitt. 57(11): 81-84. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 43M. Mar. 1943.
- 10153 GOODHUE, L. D. The use of freon in insecticides. Refrig. Engin. 47(1): 26-27. Jan. 1944. 295.9 Am32J
- Refers to aerosol method of control.
- 10154 GORHAM, R. P. Insect notes. Acadian Nat. 1: 84-86. Nov. 1943. 410.9 N42A
- Epilachna varivestis; Pyrausta nubilalis; Psylla stricklandi; Phyllobius oblongus in New Brunswick.
- 10155 GRASBY, C. G. Some common pests and diseases in the Murray irrigation areas. So. Austral. Dept. Agr. Jour. 47: 152-158. Nov. 1943. 23 So84
- Outlines spray programs.
- 10156 HANSBERRY, ROY. Killing insects in laboratory tests saves much time. Farm Res. [N. Y. State Sta.] 10(1): 7, 16. Jan. 1, 1944. 100 N48A
- 10157 HARTLEY, R. S., ELSWORTH, F. F., and BARRITT, J. The mothproofing of wool. Soc. Dyers and Colourists Jour. 59: 266-271. Dec. 1943. 306.9 Sol
- 10158 HUCKETT, H. C. Spray and dust controls for lima bean pests. Food Packer 25(1): 44-45. Jan. 1944. 286.33 C165
- 10159 JARVIS, HUBERT. The value of bird life on the farm. Queensland Agr. Jour. 57: 291-299. Nov. 1943. 23 Q33
- Includes discussion of birds in control of insects and ticks.
- 10160 KLABER, ROBERT. Dermatology and the public health. Roy. Inst. Pub. Health and Hyg. Jour. 7: 8-13. Jan. 1944. 449.9 R813
- Includes discussion of scabies and pediculosis.
- 10161 \*\*LOEWEL, E. L. Dinitrokresol als winter-spritzmittel im obstbau. Gartenbauwissenschaft 16: 509-524. 1942.
- Abs. in Imp. Bur. Hort. and Plantation Crops. Hort. Abs. 13: 107. Sept. 1943. 241 Im74



- 10162 \*\*MARILLI, OTTELO. La disinfezione dei semi di cotone per mezzo del calore. Agr. Colon. [Italy] 37: 12-23. 1943.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 65M. Apr. 1943.
- 10163 MARTORELL-DAVILA, L. F. A survey of the forest insects of Puerto Rico. Ohio State Univ. Abs. Doctoral Diss. No. 42, p. 75-80. 1943. 241.8 Oh3
- 10164 MASSEE, A. M. General review of research work. VI. Entomology. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 24-25. Aug. 1943. 103 Ea7
- 10165 MASSEE, A. M. General review of research work. VIII. C. Insect pests of hops. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 29-30. Aug. 1943. 103 Ea7
- 10166 MASSEE, A. M. Notes on some interesting insects observed in 1942. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 64-68. Aug. 1943. 103 Ea7
- 10167 MICHELbacher, A. E., and SMITH, R. F. Pest control. Proper application and good timing are essential for the control of truck crop insects. West. Grower & Shipper 15(2): 12-13. Jan. 1944. 280.38 W52
- 10168 MONTGOMERY, H. B. S., and others. General review of research work. VII. Insecticides and fungicides. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 25-27. Aug. 1943. 103 Ea7  
M. H. Moore, H. Shaw, and W. Steer, joint authors.
- 10169 NATIONAL COTTON COUNCIL OF AMERICA. PRODUCTION, PROCESSING, AND MARKETING DIVISION. Insect and disease control. Natl. Cotton Council of Amer. Ann. Rpt. of Activ. 5: 45-47. Jan. 1, 1944. 281.3729 N212
- 10170 NEMETH, F. F. Insect galls of West Virginia II. Galls on Solidago, Fraxinus, Acer, Cornus, Vaccinium, Rosa and Vitis. South. Appalachian Bot. Club Jour. 8: 123-127. Nov./Dec. 1943. 450 So82
- 10171 PERSING, C. O. Snail control. Citrus Leaves 24(1): 16-17. Jan. 1944. 80 C492
- 10172 POTGIETER, J. T. Harmful insects in stored winter cereals. Farming in So. Africa 18: 777-784, 818. Nov. 1943. 24 So842
- 10173 ROSS, W. A. The question of changing all spray formulas in Canada to the 100-gallon basis. Canad. Hort. and Home Mag. Growers' Ed. 67: 10. Jan. 1944. 80 C16
- 10174 RUKIN, MAX. Fumigation - methods and fumigants. Assoc. Oper. Millers. Bul., Jan. 1944, p. 1326. 298.9 Aa7
- 10175 \*\*RUSSO, GIUSEPPE. I parassiti animali dannosi alle coltivazioni di cotone. Bol. della Coton. 37: 283-286. 1942.  
Italian cotton pests.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 29M. Feb. 1943.
- 10176 SANTOS BILONI, JOSÉ. Hongos con batería antiáerea. Campo [Buenos Aires] 27(324): 64. Oct. 1943. 9 C15  
Entomogenous fungi.
- 10177 SAWYER, W. A. Public health implications of tropical and imported diseases. Yellow fever and typhus and the possibility of their introduction into the United States. Amer. Jour. Pub. Health 34: 7-14. Jan. 1944. 449.9 Am3J  
Includes discussion of Aedes aegypti in relation to yellow fever and of lice as typhus vectors.
- 10178 SMITH, A. J. The control of citrus pests. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 173, 2 p. Pretoria, Oct. 5, 1943. 24 So82P
- 10179 SORDELLI, A., and others. Tifo exantemático. II.-IV. Argentina. Dept. Nac. de Hig. Inst. Fact. Rev. 11: 272-285, 326-348, 381-384. June, Sept. 1943. 448.3 Ar3  
A. Manzullo, M. A. Riesel, J. Ferrari, joint authors.  
Contents: II. Virus de las pulgas [Xenopsylla cheopis] de ratas de la ciudad de Buenos Aires. III. Virus de las pulgas y ratas del foco de Ucacha, Pcia. de Córdoba. IV. Infección Polyplax sp. y Cimex lectularius con rickettsiae.
- 10180 TISSOT, A. N. Prevent cabbage insect damage. Fla. Grower 52(1): 13. Jan. 1944. 80 F6622
- 10181 TOOKE, F. G. C. Progress of forest entomology in South Africa. So. African Forestry Assoc. Jour. 10, p. 4-12. Apr. 1943. 99.9 So82
- 10182 WILLE, J. E. Insectos que atacan a las leguminosas cultivadas. Vida Agr. 19: 347-349. May 1942. 9.8 V66
- 10183 WILSON, FRANK. The entomological control of St. John's wort (Hypericum perforatum L.) with particular reference to the insect enemies of the weed in southern France. Austral. Council Sci. and Indus. Res. Bul. 169, 87 p. Melbourne, 1943. 514 Au72B
- 10184 WOGLUM, R. S. Control of snails in citrus orchards. Calif. Cult. 90: 659. Dec. 25, 1943. 6 C12
- APICULTURE AND APIS MELLIFERA
- 10185 ACKROYD, G. W. Heather honey production. Bee Craft 26: 4-5. Jan. 1944. 424.8 B3925
- 10186 ALTON, T. Crop averages. Brit. Bee Jour. 72: 13. Jan. 20, 1944. 424.8 B77  
Refers to average number of pounds of honey produced per colony.
- 10187 AMOS, J. M. Winter work for beekeepers. Pa. Beekeeper 18(4): 9-11. Dec. 1943. 424.8 P38
- 10188 ANDERSON, E. J. Maintaining the colony morale. Pa. Beekeeper 18(4): 11-14. Dec. 1943. 424.8 P38
- 10189 ARIZTÍA IZQUIERDO, G. S. Beneficios que prestan las abejas [Apis mellifera] a los frutales. Coop. Agr. 4(47): 5-6. Sept. 1943. 8 H752
- 10190 BERGMANN, S. T. Suggestion for improvement of strain. West. Canada Beekeeper 7: 8. Jan. 1944. 424.8 W525
- 10191 \*BERGNER, K. Frühjahrserzütterung? Bayer. Biene 64: 28-29. Feb. 1942. 424.8 B34
- 10192 \*BERGNER, K. Wie erlange ich die anerkennung als reinzüchter. Bayer. Biene 64: 58-59. Apr. 1942. 424.8 B34
- 10193 BRAUN, ED. Manitoba bees wintering well. West. Canada Beekeeper 7: 7. Jan. 1944. 424.8 W525
- 10194 BROWN, A. T. Beekeepers ask subsidy on package bees. West. Canada Beekeeper 7: 4. Jan. 1944. 424.8 W525
- 10195 \*BRUCHLOS, W. Meine erfahrungen bei der wanderung in den raps. Bayer. Biene 64: 52-53. Apr. 1942. 424.8 B34
- 10196 BUCKETT, H. J. Opinions on bees. Brit. Bee Jour. 71: 326-327. Dec. 30, 1943. 424.8 B77  
Refers to various strains of Italian bees.
- 10197 BUTLER, C. G., JEFFREE, E. P., and KALMUS, H. The behaviour of a population of honeybees on an artificial and on a natural crop. Jour. Expt. Biol. 20: 65-73. Dec. 1943. 442.8 B77
- 10198 CARTER, G. A. Fruit sprays and bees. Bee Craft 26: 2. Jan. 1944. 424.8 B3925
- 10199 CHERCUIITE, V. Hivernement des abeilles en cave. Abeille et l'Erable 12: 116-117. Oct. 1943. 424.8 Ab32



- 10200 DADANT, H. C. The causes of poor wintering. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941-42) 51, 1. e. 41: 80-87. 424.9 I16
- 10201 DESCHENES, S. M. Le "Canadian Beekeepers' Council." Abeille et l'Erable 12: 118-119. Oct. 1943. 424.8 Ab32
- 10202 DURHAM, Foul brood - a theory. Brit. Bee Jour. 71: 319-320. Dec. 23, 1943. 424.8 B77
- 10203 \*FEMRICH, A. Uebt das bienengift einen hemmenden einfluss auf die entstehung von krebs aus? Bayer. Biene 64: 93. June 1942. 424.8 B34
- 10204 FARRAR, M. D., and HACKLEMAN, J. C. Sweet clover and sweet clover weevil for 1943. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941-42) 51, 1. e. 41: 154-156. 424.9 I16
- 10205 \*FISCHER, FR. Bruteinschränkung als mittel grösstmöglicher auswertung der volkskräfte. Bayer. Biene 64: 88-89. June 1942. 424.8 B34
- 10206 FRISCH, K. VON. Versuche über die lenkung des bienenfluges durch duftstoffe. Naturwissenschaften 31: 445-460. Sept. 24, 1943. 474 N213
- 10207 \*FROHMADER, OBKRA. Ein ernstes wort zur nosema-aktion. Bayer. Biene 64: 55-56. Apr. 1942. 424.8 B34
- 10208 \*FROHMADER, OBKRA. Maikrankheit. Bayer. Biene 64: 77-78. May 1942. 424.8 B34
- 10209 GALE, A. W. Treatment of acarine and A.F.B. diseases. Scot. Beekeeper 19: 153. Dec. 1943. 424.8 Sco8
- 10210 GARDNER, L. C. Do workers carry eggs? Beekeepers' Mag. 6(6): 13-14. Jan. 1944. 424.8 M58
- 10211 \*GOETZE. Wie wird angekört? Bayer. Biene 64: 74-76. May. 1942. 424.8 B34
- 10212 \*GOETZE, G. Warum ist die körnung nötig. Bayer. Biene 64: 56-58. Apr. 1942. 424.8 B34
- 10213 \*GOLLWITZER, L. Die bedeutung der geschlechtsiere in der zucht. Bayer. Biene 64: 76. May 1942. 424.8 B34
- 10214 \*GOLLWITZER, L. Unser zuchtziel. Bayer. Biene 64: 71. May 1942. 424.8 B34
- 10215 \*GONTARSKI, H., and SEEK, P. Versuche zur medikamentösem bekämpfung des Nosemaparasiten des honigbiene *Apis mellifera*. Forschungsdienst 13: 184-194. 1942. 241 D48F
- 10216 \*GOEBACH, G. Zur kenntniss der stärkeverdaumung durch die biene. II. Mitteilung in der reihe: Ernährungsphysiologische studien an der biene. Forschungsdienst 13: 67-78. 1942. 241 D48F
- 10217 GREEN, G. W. American foul brood in U. S. A. Brit. Bee Jour. 71: 305-306. Dec. 9, 1943. 424.8 B77
- 10218 \*HERBOLSHHEIMER, ANDRES. Das aufsetzen (umhängen) mit wärmekeissen. Bayer. Biene 64: 68-69. May 1942. 424.8 B34
- 10219 \*HERBOLSHHEIMER, ANDRES. Der erste flug. Bayer. Biene 64: 19-20. Feb. 1942. 424.8 B34
- 10220 HOGARTH, E. A. How I winter my bees. Canad. Bee Jour. 52: 4, 12. Jan. 1944. 424.8 C16
- 10221 \*HONIG, F. Was der imker von der bienenweide wissen muss. Bayer. Biene 64: 30. Feb. 1942. 424.8 B34
- 10222 HUTCHISON, F. C. Management and keeping of bees *Apis mellifera*. So. Austral. Dept. Agr. Jour. 47: 101-104. Sept. 1943. 23 So84
- 10223 JAMIESON, C. A. Le bon hivernement des abeilles exige une préparation soigneuse. Abeille et l'Erable 12: 116. Oct. 1943. 424.8 Ab32
- 10224 JAQUAYS, GEORGE. Here's my system. Beekeepers' Mag. 6(7): 15-16. Feb. 1944. 424.8 M58
- Gives manipulations of apiary throughout the season.
- 10225 JAVET, GUILLERMO. Explotación de un colmenar moderno (II). Campesino [Santiago, Chile, 75: 753. Nov. 1943. 9.3 Sol2
- 10226 \*\*JEX-BLAKE, A. J. Bee-stings. East African Med. Jour. 19: 74-86. 1942. Abs. in Rev. Appl. Ent., B 31: 64. Mar. 1943. 421 R325B
- 10227 JONES, G. O. The problem of pasturage. Amer. Bee Jour. 84: 52-53. Feb. 1944. 424.8 Am3
- 10228 JONES, G. O. Resistant stock may meet the need for a scattered apiary layout. Amer. Bee Jour. 84: 47. Feb. 1944. 424.8 Am3
- 10229 \*KICKHOFFEL. Rotkleenutzende bienenstämmen. Bayer. Biene 64: 89-90. June 1942. 424.8 B34
- 10230 KOTSCH, RAÚL VON. Consideraciones sobre apicultura; instalacion del colmenar. Vinos, Viñas y Frutas 39: 156-159. Oct. 1943. 9 Ag89
- 10231 KOTSCH, RAÚL VON. Razas de abejas *Apis mellifera ligustica*, que mas conviene explotar. Inst. Agr. Argentino. Reseñas 4(22): 35-37. 1943. 281.9 B862
- Same title also in Eneaa 30(1262): 1. Oct. 17, 1943. 44.8 Es5
- 10232 \*KRESS. Meine wachstücher sind nicht zerfressen. Bayer. Biene 64: 70. May 1942. 424.8 B34
- 10233 \*LEIN, FRITZ. Hecken? Bayer. Biene 64: 59-61. Apr. 1942. 424.8 B34
- 10234 \*LUDWIG, AUGUST. Das alter der schwarm-bienen. Bayer. Biene 64: 86-87. June 1942. 424.8 B34
- 10235 \*LUDWIG, AUGUST. Die durchlenzung. Bayer. Biene 64: 20-21. Feb. 1942. 424.8 B34
- 10236 \*LUDWIG, AUGUST. Umschneiden auf anderes mass. Bayer. Biene 64: 69-70. May 1942. 424.8 B34
- 10237 LYLE, N. L. Shallow frame comb honey production; queen reservoirs and queen introduction. (Cont.) Amer. Bee Jour. 84: 48-49. Feb. 1944. 424.8 Am3
- 10238 \*MAIER, KARL. Notfütterung im frühjahr. Bayer. Biene 64: 24-26. Feb. 1942. 424.8 B34
- 10239 MANLEY, R. O. B. Honey-flows and temperature. Scot. Beekeeper 19: 154. Dec. 1943. 424.8 Sco8
- 10240 MAYNE, E. S. Re too late! Too late! Brit. Bee Jour. 72: 14-15. Jan. 20, 1944. 424.8 B77
- Refers to diseased colony of bees.
- 10241 MÉDICI, MIGUEL. Colmenas rústicas y racionales. Inst. Agr. Argentina. Reseñas 4(22): 38-40. 1943. 281.9 B86
- 10242 MÉDICI, MIGUEL. Enjambres naturales. Campo [Buenos Aires, 27(324): 18, 54. Oct. 1943. 9 C15
- 10243 \*MEYER, HINNERK. Die flugweite der bienen im frühjahr ist beschränkt. Bayer. Biene 64: 54. Apr. 1942. 424.8 B34
- 10244 MILUM, V. G. What's new in beekeeping. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941-42) 51, 1. e. 41: 153-154. 424.9 I16
- Sweetclover weevil and its effect upon sweetclover as a honey plant.
- 10245 \*NEUNER, GEORG. Bei der frühjahrsnachschau. Bayer. Biene 64: 67. May 1942. 424.8 B34
- 10246 \*NEUNER, GEORG. Hüllt die beuten ein! Bayer. Biene 64: 100-101. July 1942. 424.8 B34
- 10247 NEUNER, GEORG. Der Juni, die hohe zeit das bienenvolkens. Bayer. Biene 64: 87-88. June 1942. 424.8 B34
- 10248 \*NEUNER, GEORG. Wandert mit eueren bienenvölkern in der raps! Bayer. Biene 64: 50-51. Apr. 1942. 424.8 B34
- 10249 \*NEUNER, GEORG. Der würger nosema im frühjahr. Bayer. Biene 64: 29-30. Feb. 1942. 424.8 B34



- 10250 \*NEUNER, GEORG. Zwei streiten sich um einen schwarm. Bayer. Biene 64: 85-86. June 1942. 424.8 B34
- 10251 NEWBURGH, O. What is Sioux City? Beekeepers' Mag. 6(6): 15-16. Jan. 1944. 424.8 M58  
Refers to Sioux Honey Association of Sioux City, Iowa.
- 10252 OBERMILLER, L. L. Keep ahead of your bees or they'll get ahead of you. N. J. Farm and Garden 15(2): 20. Feb. 1944. 6 G162
- 10253 PADDOCK, F. B. Report of State apiarist. Iowa Yearbook Agr. (1942) 43: 134-137. 1943. 2 Io9R
- 10254 PEASE, C. H. The fun of keeping records. Gleanings Bee Cult. 72: 44-45. Feb. 1944. 424.8 G47
- 10255 PEASE, N. Remuneration for extracting honey, etc. Brit. Bee Jour. 71: 320-321. Dec. 23, 1943. 424.8 B77
- 10256 PEPPERELL, F. W. Ideas of an apiarist. Brit. Bee Jour. 72: 13-14. Jan. 20, 1944. 424.8 B77  
Refers to moving apiary in November because of war necessity.
- 10257 PERRET-MAISONNEUVE, A. L'apiculture intensive et l'élevage des reines. (Cont.) Campo y Arados 7(80): 26; (81): 28. Oct., Nov. 1943. 9.9 C152
- 10258 PINKHAM, C. A. How I winter bees. Beekeepers' Mag. 6(6): 8-11. Jan. 1944. 424.8 M58
- 10259 PINKHAM, C. A. Outside wintering in Maine at 41 degrees below. Gleanings Bee Cult. 72: 52. Feb. 1944. 424.8 G47
- 10260 REA, G. H. Keeping colonies strong. Amer. Bee Jour. 84: 53, 64. Feb. 1944. 424.8 Am3
- 10261 REESE, S. W. Wild honey. Wis. Conserv. Bul. 8(12): 11-14. Dec. 1943. 279.8 W52  
Methods of locating the bee-trees and collecting the honey.
- 10262 RIVOLTA, J. A. Enjambrazon. Campo y Arados 7(81): 28-29. Nov. 1943. 9.9 C152
- 10263 ROUSE, T. A. Clipping queens' wings. Brit. Bee Jour. 72: 2-3. Jan. 6, 1944. 424.8 B77
- 10264 RUDGE, A. J. The artificial ripening of nectar. Bee Craft 26: 2-3. Jan. 1944. 424.8 B3925
- 10265 \*SAUER, FRITZ. Die raumgebung bei der durchlenzung. Bayer. Biene 64: 27-28. Feb. 1942. 424.8 B34
- 10266 SAUER, FR. Wie pflege ich meine schwarme? Bayer. Biene 64: 83-84. June 1942. 424.8 B34
- 10267 \*SCHREIBER, RUDOLF. Der pulschlag des bienenvolkes am flugloch. Bayer. Biene 64: 21-24. Feb. 1942. 424.8 B34
- 10268 SINGLETON, ASBERRY. Compensation in bee-keeping. West. Canada Beekeeper 7: 9. Jan. 1944. 424.8 W525
- 10269 \*STRAUSSBERGER, W. Wie bringe ich den zuchtstoff ins pflegevolk? Bayer. Biene 64: 90-92. June 1942.
- 10270 \*TAUBALD, GG. Ueber die bedeutung der wärme bei der durchlenzung der bienen. Bayer. Biene 64: 26-27. Feb. 1942. 424.8 B34
- 10271 TOWNER, E. B. The perfect female. Bee Craft 26: 4. Jan. 1944. 424.8 B3925
- 10272 U. S. BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE. Feeding pollen and soybean flour. Gleanings Bee Cult. 72: 54. Feb. 1944. 424.8 G47
- 10273 WALSH, R. S. Swarm control. New Zeal. Jour. Agr. 67: 370-371. Nov. 15, 1943. 23 N48J
- 10274 WHELDON, F. W. Bee paralysis (black bees). Brit. Bee Jour. 71: 325-326. Dec. 30, 1943. 424.8 B77
- 10275 WHITEHEAD, S. B. The behaviour of swarming bees [Apis mellifera]. Field 182: 672. Dec. 25, 1943. 10 F45
- 10276 \*ZOEPLF. Vom welchem volke züchte ich nach? Bayer. Biene 64: 71-74. May 1942. 424.8 B34  
See also Honey and Beeswax in Agricultural Products section.

## ARACHNIDA, MYRIAPODA, ETC.

- 10277 ANIGSTEIN, LUDWIK. The present status of the spotted fever problem. Clinics 2: 890-913. Dec. 1943. Army Med. Libr.  
Amblyomma americanum, vector in Texas and Oklahoma outbreaks.
- 10278 CHICKERING, A. M. Female allotype of Landa sp. spinosa Petrunkevitch. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 317-321. 1943. 500 M582
- 10279 COOLEY, R. A. Ixodes neotomae, a new species from California (Acarina: Ixodidae). Pan-Pacific Ent. 20: 7-12. Jan. 1944. 421 P193
- 10280 ESCOBAL, ROBERTO. Sarna ovina. Inst. Agr. Argentino. Reseñas 3(20): 18-22. 1943. 281.9 B862  
Mange due to Psoroptes communis ovis.
- 10281 \*GILLAIN, J. Gale du porc à Sarcoptes scabiei var. parvula Canestrini. Belgium. Min. des Colon. Dir. Gen. de l'Agr. Bul. Agr. du Congo Belge 33: 112-113. 1942.  
Abs. in Rev. Appl. Ent., B 31: 231. Nov. 1943. 421 R325B
- 10282 \*GILLAIN, J. Otodectes cynotis var. africana. Un nouvel acarien du chat. Belgium. Min. des Colon. Dir. Gen. de l'Agr. Bul. Agr. du Congo Belge 33: 110-111. 1942.  
Abs. in Rev. Appl. Ent., B 31: 231. Nov. 1943. 421 R325B
- 10283 \*GINETZINSKAYA, T. A. A new form of adaptation of feather mite Freyana anatina Koch to the moult of the host. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 37: 146-149. 1942. 511 P444
- 10284 GOODNIGHT, C. J., and GOODNIGHT, M. L. More Phalangida from Mexico. Amer. Mus. Nat. Hist. Amer. Mus. Novitates No. 1249, 13 p. Jan. 13, 1944. 500 N483N  
New spp. in: Chinguipellobunus, n. g.; Karos, n. g.; Monterella, n. g.; Boneta, n. g.; Leiobunum; Metopilio 2; Prionostemma; Romerella 2.
- 10285 GRAHAM, N. P. H. Some observations on the bionomics of the itch mite (Psorergates ovis) of sheep and its control with lime-sulphur dips. Austral. Council Sci. and Indus. Res. Jour. 16: 206-214. Nov. 1943. 514 Au72J
- 10286 HUGHES, T. E. The respiration of Tyroglyphus farinae [i. e. Acarus siro]. Jour. Expt. Biol. 20: 1-5. Dec. 1943. 442.8 B77
- 10287 INFLUENCIA de las condiciones climáticas en la eficacia de los baños garrapaticidas. Campo [Buenos Aires] 27(324): 22-23. Oct. 1943. 9 C15
- 10288 LEWIS, E. A. East coast fever and the African buffalo, the eland and the bushbuck. East African Agr. Jour. 9: 90-92. Oct. 1943. 24 E274  
Buffalo proved to be affected. Rhipicephalus appendiculatus is vector.
- 10289 LEWIS, H. C. Injury to citrus by Tenuipalpus mites. Calif. Citrog. 29: 87. Feb. 1944. 80 C125
- 10290 LORIA, J. V. Sarna desplumadora en las palomas. Chacra 14(157): 24. Nov. 1943. 9 C34
- 10291 METTLER, E. A. J. Algunas consideraciones sobre los baños garrapaticidas arsenicales. Inst. Agr. Argentino. Reseñas 3(20): 37-40. 1943. 281.9 B862



10292 NEITZ, W. O. The eradication of the brown dog tick (*Rhipicephalus sanguineus* Ltr.) from a dog kennel. So. African Vet. Med. Assoc. Jour. 14: 90-93. Sept. 1943. 41.8 So8

Includes table showing "Diseases of man and animals transmitted by the brown dog tick."

10293 NEUMANN, K. W. Noch einmal: das tarsalorgan bei Spinturnix v. Heiden. Zool. Anz. 143: 105-116. Aug. 15, 1943. 410 Z7

10294 NORRIS, K. R. Experiments with insecticides against the red-legged earth mite (*Halotydeus destructor* (Tucker)). Austral. Council Sci. and Indus. Res. Bul. 171, 28 p. Melbourne, 1943. 514 Au72B

10295 OPPENHEIM, MAURICE, and SMITH, H. A. Treatment of scabies in wartime. Arch. Dermat. and Syph. 48: 370-372. Oct. 1943. 448.8 Ar242  
[*Sarcoptes scabiei*.]

10296 ROBINSON, G. G. The use of a plaster substratum for testing pyrethrum-oil films against *Ornithodoros moubata*, Murray (Acarina: Argasidae). Bul. Ent. Res. 34: 269-277. Dec. 1943. 421 B87

10297 SELLNICK, MAX. Eine zweite neue Antennoseius-art [A. masoviae; aus Ostpreussen. (Acar.). Zool. Anz. 143: 201-203. Aug. 30, 1943. 410 Z7

10298 \*\*SHELLEY, H. M. Tick typhus. East African Med. Jour. 20: 300. Sept. 1943.

Noted in Cur. List Med. Lit. 6: 130. Jan. 28, 1943. 241.71 C93

10299 SPEYER, E. R. Red spider mite (*Tetranychus telarius* L.). Cheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 50-53. 1943. 103 N93

10300 STAENKE, H. L. Scorpions of the United States. Turtlox News 22(1): 20-22. Jan. 1944. 442.8 T86

10301 VERHOEFF, K. W. Über chilopoden der Türkei. III. aufsatz. Zool. Anz. 143: 116-140. Aug. 15, 1943. 410 Z7

New spp. and forms in: *Hessebius*; *Lithobius* 6; *Monotarsobius* 2; *Monognathodon*, n. g.; *Pachymerium*; *Himantarium* 2; *Bothriogaster* 3.

10302 VERHOEFF, K. W. Über diplopoden der insel Korsika. Zool. Anz. 142: 215-226. June 30, 1943. 410 Z7

New spp. in: *Corsikomeris*, n. g.; *Callipes*; *Ophiulus* 2; *Cylindroiulus*.

10303 \*WETZEL, RUDOLF. Der entwickelungskreis des Texasfiebererregers (*Babesia bigemina*). Deut. Tierärztl. Wchnschr. 50: 138-139. Mar. 14, 1942. 41.8 D482

*Boophilus annulatus* ssp. are the tick vectors.

10304 \*WIESMANN, R. Neue versuche über die bekämpfung der kräuselmilben [*Phyllocoptes vitis*, *Eptrimerus vitis*]. Schweiz. Ztschr. f. Obst u. Weinbau 52: 25-42. Jan. 16, 1943. 80 Sch9

#### COLEOPTERA

10305 ARROW, G. J. On the genera and nomenclature of the lucanid Coleoptera, and descriptions of a few new species. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 133-143. Oct. 29, 1943. 420 L84Pb

Eleven new names proposed. New spp. in: *Dorcus*; *Cardanus*; *Aegus*; *Aegotypus*.

10306 ARROW, G. J. Systematic notes on the melonhine beetles belonging to the genus *Lepidiota* and some related genera. Ann. and Mag. Nat. Hist. (ser. 11) 10: 773-785. Nov. 1943. 410 An77

New species in: *Lepidiota* 5; *Byrsalepis*; *Pegylis*; *Stenopegylis* n. g.; *Rhizoproctus*.

10307 BALFOUR-BROWNE, J. A new generic name in the Dytiscidae (Coleoptera). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 172. Dec. 30, 1943. 420 L84Pb

*Neoscutopterus* proposed for *Scutopterus* (part).

10308 BALFOUR-BROWNE, J. On the Apioninae (Coleoptera: Curculionidae) of the Jebel Murra, Darfur Province, Anglo-Egyptian Sudan. Ann. and Mag. Nat. Hist. (ser. 11) 10: 766-772. Nov. 1943. 410 An77

New species in: *Piezotrachelus*; *Apion* 2. New subspecies: *Apion sparsum jebelmurraense*.

10309 BEERBOWER, F. V. Life history of *Scirtes orbiculatus* Fabius (Coleoptera: Helodidae). Ent. Soc. Amer. Ann. 36: 672-680. Dec. 1943. 420 En82

10310 BLICKLE, R. L. The relative effects of falling, rising, and constant concentrations of sulfur dioxide on the confused flour beetle [*Tribolium confusum*], and the granary weevil [*Sitophilus granarius*]. Ohio State Univ. Abs. Doctoral Diss. No. 40, p. 17-20. 1943. 241.8 Oh3

10311 BRYANT, G. E. New species of African *Cryptocephalus* (Chrysomelidae, Col.). Ann. and Mag. Nat. Hist. (ser. 11) 10: 785-792. Nov. 1943. 410 An77

10312 CAMERON, MALCOLM. Descriptions of new Staphylinidae (Coleoptera). (Cont.) Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 127-132. Oct. 29, 1943. 420 L84Pb

New spp. in: *Mitomorphus* 2; *Xantholinus*; *Othius* 2; *Actobius* 3; *Philonthus* 10.

10313 CASS, G. W. Dusts will kill grain weevils. Nontoxic inorganic dusts are potent in protecting stored grain from insect damage. Food Indus. 16(1): 80. Jan. 1944. 389.8 F737

10314 \*\*CATRINICI, CLEOPATRA. *Tanymericus dilatipennis* Gyll., ein schädling der maiskulturen Rumäniens. Bucharest Acad. Romană, Sect. Sci. Bul. 24: 610-614. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 9M. Jan. 1943.

10315 CLISSOLD, E. J. Control of Japanese beetle [*Popillia japonica*] grub. Greenkeepers' Rptr. 12(1): 5, 31. Jan./Feb. 1944. 60.18 G83

Milky disease.

10316 EASTHAM, L. E. S., and MCCULLY, S. B. The oviposition responses of *Calandra granaria* Linn. [i.e. *Sitophilus granarius*]. Jour. Expt. Biol. 20: 35-42. Dec. 1943. 442.8 B77

10317 EMDEN, F. I. VAN. Larvae of British beetles. IV. (Concl.). Ent. Monthly Mag. 79: 265-270. Dec. 1943. 421 En86

10318 FENDER, D. M. Notes on *Cantharis*, II. (Coleoptera, Cantharidae). Pan-Pacific Ent. 20: 20-22. Jan. 1944. 421 Pl93

*C. dentatus*, n. sp.

10319 FOX-WILSON, G. The lily beetle, *Crioceris lili* Scopoli: its distribution in Britain (Coleoptera). Roy. Ent. Soc. London. Proc. Ser. A. Gen. Ent. 18: 85-86. Dec. 30, 1943. 420 L84Pa

10320 \*\*FRICKHINGER, H. W. Achtet auf den brot-käfer [*Stegobium paniceum*]. Deut. Lebensmittel-Rundschau 1943: 56-57.

Abs. in Chem. Zentbl. 114, II: 944. Sept. 8, 1943. 384 C42

10321 \*GHILAROV, M. S. Naphthalene as a means to control seed pests of biennial kok-saghyz. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 37: 109-112. Oct. 30, 1942. 511 p444

Applied as a dust against larvae of *Olibrus bicolor* and *Ceutorhynchus punctiger*.

Text in English.

10322 GUÉRIN, JACINTHO. Novos "Megalopodidae" (Col.) do Brasil. Rev. Brasil. de Biol. 3: 301-312. Sept. 1943. 442.8 R326

New spp. and forms in: *Mastothethus* 7; *Agathomerus* 2; *Megalopus* 4.

Summary in English.



- 10323 \*HEY, ALFRED. Spitzmausrüssler (Apion)—unbeachtete schädlinge im Kleesamenbau. Mitt. f. die Landw. 58: 437-439. June 5, 1943. 18 D48M  
A. flavipes and A. apricans.
- 10324 HINTON, H. E. A key to the species of Carphophilus (Col., Dermestidae) that have been found in Britain, with notes on some species recently introduced with stored food. Ent. Monthly Mag. 79: 275-277. Dec. 1943. 421 En86
- 10325 HOBBY, B. M. Feeding-habits of Pselaphidae (Col.) Ent. Monthly Mag. 79: 277. Dec. 1943. 421 En86
- 10326 HOWE, R. W. Life history data for Ptinus tectus Bole. (Coleoptera, Ptinidae) at 70% relative humidity at 21° C. and 25° C. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 63-65. Sept. 15, 1943. 420 L84Pa
- 10327 \*\*JANCKE, O. Weiterer beitrage zur lebensweise und bekämpfung des birnknospenstechers (Anthonomus pyri Kollar). Gartenbauwissenschaft 17: 1-17. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 27M. Feb. 1943. 464.8 In8
- 10328 JORDAN, K. A case of progressive evolution in Coleoptera which, if uncontrolled, would lead to extinction. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 99-105. Dec. 30, 1943. 420 L84Pa
- 10329 \*\*KUNIKE, G. Kornkäferbekämpfung [Sitophilus granarius]. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 23: 2-3. 1943.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 64M. Apr. 1943. 464.8 In8
- 10330 \*KUNIKE, G. Der messingkäfer [Niptus hololeucus] und seine bekämpfung. Desinfekt. u. Schädlingsbekämpf. 35: 5-7. Jan. 1943. 449.8 Z36P
- 10331 LEECH, H. B. List of six species of gyrid water beetles collected by J. L. Gressitt in China and Japan. (Coleoptera, Gyrididae). Pan-Pacific Ent. 20: 22. Jan. 1944. 421 P193
- 10332 LEES, A. D. On the behaviour of wireworms of the genus Agriotes Esch. (Coleoptera, Elateridae). I-II. Jour. Expt. Biol. 20: 43-60. Dec. 1943. 442.8 B77  
Contents: I. Reactions to humidity, p. 43-53; II. Reactions to moisture, p. 54-60.
- 10333 LIEBERMANN, JOSÉ. Un gran comilon de hortalizas argentinas, el bicho moro [Meloidae]. Pampa Argentina 17(195): 4-5. Nov. 1943. 9 P19
- 10334 LIMA, A. D. F. O gorgulho das orquídeas [Diorymerellus sp.]. Soc. Bras. de Agron. Bol. 6: 157-158. June 1943. 9.2 Sol3
- 10335 LIMA, A. DA C. Gorgulhos do gênero Lonchophorus (Col., Curculionidae, Anthonominae). Soc. Bras. de Agron. Bol. 6: 119-122. June 1943. 9.2 Sol3  
Includes description of L. fluminensis, n. sp.
- 10336 LINSLEY, E. G., and MACSWAIN, J. W. Observations on the life history of Trichodes ornatus (Coleoptera, Cleridae), a larval predator in the nests of bees and wasps. Ent. Soc. Amer. Ann. 36: 589-601. Dec. 1943. Ref. 420 En82
- 10337 \*MADEL, W. Über speckkäferuntersuchungen [Dermestidae] im hinblick auf ihre lebensweise und praktische bedeutung. Forschungsdienst 13: 169-171. 1942. 241 D48F
- 10338 \*\*MAIER-BODE. Rübenaskäfer [Blitophaga] in weisskohl. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 66. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 27M. Feb. 1943. 464.8 In8
- 10339 MALKIN, BORYS. New species of Boletobius from the Northwest with a distributional note on Co-proporus (Coleoptera, Staphylinidae). Pan-Pacific Ent. 20: 23-30. Jan. 1944. 421 P193  
C. ventriculus noted as new record from Idaho.
- 10340 \*\*MATHLEIN, R. Undersökningar rörande för-räddskadedjur. III. Svartbruna mjölbaggan, Tribolium destructor Uytt. Ett nytt, ekonomiskt viktigt skadedjur. [Investigations on pests of stored products. III. The dark brown flour beetle, Tribolium destructor, a new economically important pest.] Sweden. Statens Växtskyddsanst. Meddel. 41. 38 p. Stockholm, 1943. Abs. in Rev. Appl. Ent., A 31: 438-440. Nov. 1943. 421 R325
- 10341 \*\*MAYNÉ, R. Der stand der kartoffelkäferfrage [Leptinotarsa decemlineata] in Europa. VI. Übersicht über den stand der ausbreitung des kartoffelkäfers in Belgien im jahre 1941. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 63-64. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 28M. Feb. 1943. 464.8 In8
- 10342 \*\*NEU, W. Über die zählebigkeit des kha-prakäfers (Trogoderma granarium Everts). Gesell. f. Vorratsschutz E. V. Mitt. 18: 46. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 12M. Jan. 1943. 464.8 In8
- 10343 NUNENMACHER, F. W. A new species of Zaco-tus [Z. fredericki] (Coleoptera, Carabidae). Pan-Pacific Ent. 20: 12. Jan. 1944. 421 P193
- 10344 OLIVER, F. W. A swarm of ladybirds [Coccinella undecimpunctata] (Coleoptera) on the Libyan desert coast of Egypt between Hammam and Abusir. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 87-88. Dec. 30, 1943. 420 L84Pa
- 10345 \*\*POETEREN, N. VAN. Der stand der kartoffelkäferfrage [Leptinotarsa decemlineata] in Europa. V. Auftreten und bekämpfung des kartoffelkäfers in den Niederlanden im jahre 1941. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 63. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 31M. Feb. 1943.
- 10346 POPOVICI-BĂZNOȘANU, A. Zweiter beitrage über sekundäre geschlechtsunterschiede bei coleopteren Zool. Anz. 142: 236-240. June 30, 1943. 410 Z7  
Coccinella septempunctata; Adonia variegata; Dorcadion fulvum.
- 10347 \*\*RAUCOURT, M. and BÉGUÉ, H. Les produits antidoryphoriques en 1941 et 1942. Acad. d'Agr. de France. Compt. Rend. 28: 380-382. 1942.  
Calcium arsenate will remain the basis of the control of Leptinotarsa decemlineata.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 131M. Sept. 1942.
- 10348 SHULL, A. F. Inheritance in lady beetles. I. The spotless and spotted elytra of Hippodamia sinuata. Jour. Hered. 34: 329-337. Nov. 1943. 442.8 Am3
- 10349 SPEYER, E. R., and PARR, W. J. Wireworm investigations. Gheshunt. Expt. and Res. Sta. Ann. Rpt. (1942) 28: 54-59. 1943. 103 M93
- 10350 STEPHENS, J. A. Some interesting Coleoptera from the Chatham district. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 41-45. Oct. 31, 1943. 420 So5
- 10351 SWISHER, E. M. The toxicity and fumigation characteristics of sulfur dioxide, acetone, and ethylene oxide alone and in combination. Ohio State Univ. Abs. Doctoral Diss. No. 42, p. 153-162. 1943. 241.8 Oh3  
Test insect was Tribolium confusum.
- 10352 \*WIESMANN, R. Versuche zur bekämpfung des maikaferengerlings [Melolontha] in rebenneueanlagen. Schweiz. Ztschr. f. Obst u. Weinbau 51: 479-483. Dec. 5, 1942. 80 Sch9
- 10353 \*\*ZACHER, FRIEDRICH. Achtung auf den brot-käfer [Stegobium paniceum]! Gesell. f. Vorratsschutz E. V. Mitt. 18: 69-71. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 48M. Mar. 1943. 464.8 In8



10354 \*\*ZACHER, FRIEDRICH. Die bekämpfung der samenkäfer [Bruchidae]. Gesell. f. Vorratsschutz E. V. Mitt. 18: 17-20. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 15M. Jan. 1943. 464.8 In8

10355 \*\*ZACHER, FRIEDRICH. Käferfrass an hülsenfrüchten. Gesell. f. Vorratsschutz E. V. Mitt. 18: 1-11. 1942.

Deals more especially with damage produced by spp. of Bruchidae.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 15M. Jan. 1943. 464.8 In8

10356 \*\*ZILLIG, HERMANN. Der dickmaulrüssler [Otiiorhynchus sulcatus] als rebschädling. Deut. Weinbau 21: 306-308. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 15M. Jan. 1943. 464.8 In8

10357 \*\*ZWEIGELT, F. Heuer ist malkäferflug [Melolontha]. Weinland 14: 52-53. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 32M. Feb. 1943. 464.8 In8

## DIPTERA

10358 \*\*ALBERTO ALVARADO, CARLOS. Paludismo. Argentina. Dept. Nac. de Hig. Bol. Sanit. 6: 155-166. Apr./June 1942.

Malaria in Argentina. Anopheles pseudopunctipennis most important vector.

Abs. in Trop. Dis. Bul. 40: 745. Oct. 1943. 448.8 T752

10359 ALEXANDER, C. P. New or little-known species of exotic Tipulidae (Diptera). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 173-180. Dec. 30, 1943. 420 L84Fb

New spp. in: Dolichopeza; Tipula; Limonia 2; Hexatoma 3; Styringomyia.

10360 ALEXANDER, C. P. New or little-known Tipulidae (Diptera). LXVIII. Neotropical species. Ann. and Mag. Nat. Hist. (ser. 11) 10: 738-765. Nov. 1943. 410 An77

New species in: Atarba 4; Gonomyia 7; Gnophomyia 2; Neognophomyia; Erioptera 2; Molophilus.

10361 \*\*AMARAL, J. Infecção natural de [Anopheles] Nyssorhynchus Kerteszia especies cruzi e bellator (Diptera, Culicidae). Nota prévia. Folha Med. 23: 171. 1942.

Abs. in Rev. Appl. Ent., B 31: 237. Dec. 1943. 421 R325B

10362 ANDERSON, RAY, and OLIVER, C. P. A study of sperm viability in a mutant Drosophila [ampelophilus], showing decreased fertility. (Abs.) Minn. Acad. Sci. Proc. (1942) 10: 17-18. 500 M663

10363 BARRETTO, M. P., and COUTINHO, J. O. Criação de algumas espécies de anofelinos brasileiros. Rev. Brasil. de Biol. 3: 317-323. Sept. 1943. 442.8 R326

Summary in English.

On the rearing of Anopheles noroestensis, A. albipennis domesticus, A. tarsimaculatus, A. darlingi, A. maculipes.

10364 BAX, S. N. A practical policy for tsetse reclamation and field experiment. Part II. (Cont.) East African Agr. Jour. 9: 83-87. Oct. 1943. 24 Ea74

With map showing distribution of Glossina spp. in Tanganyika Territory.

10365 \*\*BONNET, J. La lutte directe contre la mouche de l'olive [Dacus oleae]. Olivier 5: 54-55. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 8M. Jan. 1943.

10366 \*\*BOSELLI, F. B. La sperimentazione antidacica del 1940 in provincia di Sassari. Agr. Sarda 21: 222-224.

Dacus oleae.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 8M. Jan. 1943.

10367 BROOKS, A. R. A review of the North American species of Gonia sens. lat. (Diptera, Tachinidae). Canad. Ent. 75: 219-236. Dec. 1943. 421 C16

New genera: Setigonia, Fuscigonia. New spp. in: Rhedia 2; Onychogonia; Gonia 7.

10368 CARRERA, MESSIAS. Alguma cousa sobre os dipteros da familia Tipulidae. Chacaras e Quintais 68: 348-350. Sept. 15, 1943. 9.2 C34

10369 \*\*CHABELARD, R. and VERAINE, A. Action des ondes courtes sur le cycle biologique des moustiques [Culiseta longiareolata]. Inst. Pasteur d'Algerie. Arch. 20: 352-356. 1942.

Abs. in Rev. Appl. Ent., B 31: 245. Dec. 1943. 421 R325B

10370 \*\*CHABELARD, R. La diagnose différentielle entre Anopheles hispaniola et Anopheles sergenti. Inst. Pasteur d'Algerie. Arch. 20: 139-146. 1942.

Abs. in Rev. Appl. Ent., B 31: 243-244. Dec. 1943. 421 R325B

10371 \*\*COLLIGNON, E. La campagne antipaludique de 1941 dans le département d'Alger. Inst. Pasteur d'Algerie. Arch. 20: 147-161. 1941.

Dry season restricted breeding of Anophelines.

Abs. in Rev. Appl. Ent., B 31: 244. Dec. 1943. 421 R325B

10372 CROUZEL, I. S. DE, and SALAVIN, R. G. Contribución al estudio de los Neorhynchocephalus argentinos (Diptera: Nemestrinidae). Soc. Cient. Argentina An. 136: 145-177. 1943. 516 Sol

10373 DOBZHANSKY, TH., and PAVAN, C. Chromosome complements of some South-Brazilian species of Drosophila [prosaltans, sturtevantii, annulimana]. Natl. Acad. Sci. Proc. 29: 368-375. Dec. 1943. 500 N21P

10374 FAIRCHILD, GRAHAM. Life story of the mosquito. Natl. Geog. Mag. 85: 180-195. Feb. 1944. 470 N213

Illus. with eight pages of colored drawings.

10375 FALCIONI, A. C. Lucha contra la mosca doméstica [Musca domestica] en la industria lechera y de otros productos alimenticios. Esnea 30(1269): 5. Oct. 1943. 44.8 Es5

10376 FAUST, E. C. Yellow fever, dengue and sandfly fever. Northwest Med. 42: 315-321. 1943. Army Med. Libr.

Aedes spp., Armigeres obturbans, Flebotomus spp. mentioned as vectors.

10377 \*\*FELDMAN, B. The Palestinian house-fly. [Musca domestica]. Harefush 25: 108. Aug. 1943.

Noted in Cur. List Med. Lit. 5: col. 812. Dec. 2, 1943. 241.71 C93

10378 \*\*GALVÃO, A. L. A., and DAMASCENO, R. G. Anopheles (Nyssorhynchus) konderi nova especie de Anopheles do vale do Amazonas e considerações sobre as especies do complexo tarsimaculatus (Diptera, Culicidae). Folia Clin. e Biol. 14: 115-135. 1942.

Noted in Quart. Cum. Index Med. 34(1): 212. July/Sept. 1943. 448.8 Q12

10379 \*\*GALVÃO, A. L. A., and DAMASCENO, R. G. Observações sobre anofelinos do complexo "albitarsis" (nota prévia). An. Paul. de Med. e Cirurg. 45: 22-23. 1943.

Abs. in Biol. Abs. 17: item 25656. Dec. 1943. 442.8 B526

10380 \*\*GLASGOW, J. P., and MACINNES, D. G. Anopheles of British Somaliland. East African Med. Jour. 20: 176-179. June 1943.

Noted in Quart. Cum. Index Med. 34(1): 218. July/Sept. 1943. 448.8 Q12



- 10381 \*\*GODOY, S. G. A malaria em São Luís, Maranhão. *Folha Med.* 23: 228-233. Nov. 5, 1942.  
Three chief species of Anopheles recorded; A. Argyratarsis, A. albitarsis, A. tarsimaculatus.  
Abs. in *Trop. Dis. Bul.* 40: 746. Oct. 1943.  
448.8 T752
- 10382 GRANETT, PHILIP, RUDOLFS, W., and FURNESS, G. C. Evaluation of mosquito repellents. *Chem. Indus.* 53: 850-852. Dec. 1943. 381 C426
- 10383 GREEN, MELVIN. Studies on the action of the vestigial mutant in *Drosophila melanogaster* [i.e. *ampelophila*]. (Abs.) *Minn. Acad. Sci. Proc.* (1942) 10: 18. 500 M663
- 10384 HARNISCH, OTTO. Messungen zur kennzeichnung des aeroben und anaeroben stoffwechsels der larve von *Chironomus bathophilus* K., einer *Chironomus*-larve der seentiefe. *Zool. Anz.* 142: 240-248. June 30, 1943. 410 Z7
- 10385 HARRIS, R. H. T. P. The Harris trap; evidences of success with *Glossina* morsitans in the Congo and elsewhere. *Farmer's Weekly Bloemfontein* 66: 230. Oct. 20, 1943. 24 F225
- 10386 \*HERING, E. M. Neue palaearktische Agromyzidae (Dipt.) mit einem anhang: Agromyziden-funde in Spanien. *Eos* 19: 51-62. Apr. 10, 1943. 421 Eo7  
New spp. in *Ophiomyia* 2; *Phytomyza* 5.
- 10387 HOWE, CALDERON. Carrion's disease, a public health problem in Peru. *Sci. Monthly* 57: 125-131. Aug. 1943. 470 Sci23  
*Flebotomus verrucarum* is vector.
- 10388 HULL, F. M. Three new species of syrphid flies in the British Museum of Natural History. *Wash. Ent. Soc. Proc.* 46: 10-12. Jan. 1944. 420 W27  
*Baccha vera*; *B. triloba*; *Cerogaster funebris*.
- 10389 \*\*IRDEM, E. Anoph. sergenti en Turquie. *Rev. d'Hyg. [Ankara]* 17: 296-297. 1942.  
In Turkish with summary in French.  
Abs. in *Trop. Dis. Bul.* 40: 816. Nov. 1943.  
448.8 T752
- 10390 IRWIN, W. H. The mosquitoes of three selected areas in Cheboygan County, Michigan. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 379-396. 1943. 500 M582
- 10391 JOHANNSEN, O. A. A generic synopsis of the Ceratopogonidae (Heleidae) of the Americas, a bibliography, and a list of the North American species. *Ent. Soc. Amer. Ann.* 36: 763-791. Dec. 1943. Refs. 420 En82
- 10392 JOHANNSEN, O. A. Two new species of American Ceratopogonidae (Diptera). *Ent. Soc. Amer. Ann.* 36: 761-762. Dec. 1943. 420 En82  
*Stilobezzia uncinata*; *Ceratobezzia flava*.
- 10393 JUDD, W. W. Dipterous larvae [*Protocalliphora splendida splendida*] parasitic on nestlings of the song sparrow. *Canad. Field Nat.* 57: 146. Oct./Nov. 1943. 410.9 Ot8
- 10394 KELLY, E. G. It's tough on the cattle grubs [*Hypoderma*] in Kansas. *Agr. Leaders' Digest* 25(1): 20. Jan. 1944. 275.28 Am3
- 10395 LEWIS, D. J. The culicine mosquitos of Eritrea. *Bul. Ent. Res.* 34: 279-285. Dec. 1943. 421 B87
- 10396 LYON, M. W., JR., and MIZELLE, J. D. Another case of intestinal myiasis. [Abs.] *Ind. Acad. Sci. Proc.* (1942) 52: 189. 1943. 500 In2
- 10397 MCCAMPBELL, S. C. Profit in grubbing. *West. Farm Life* 46(1): 3, 8. Jan. 1, 1944. 6 R153
- 10398 MCCOY, O. R. Public health implications of tropical and imported diseases. Imported malaria. *Amer. Jour. Pub. Health* 34: 15-19. Jan. 1944. 449.9 Am3J  
Includes the problem of mosquitoes as vectors.
- 10399 MACFIE, J. W. S. Ceratopogonidae (Diptera) from Egypt. *Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy* 12: 145-159. Oct. 29, 1943. 420 L84Pb  
New spp. and forms in: *Forcipomyia*; *Dasyhelea* 5.
- 10400 MACFIE, J. W. S. A new species of *Dasyhelea* [*D. maculata*] (Diptera) from the Bahama Islands. *Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy* 12: 119-120. Aug. 24, 1943. 420 L84Pb
- 10401 MCGARRY, W. L. The Mules operation in Western Australia. *Past. Rev.* 53: 805-806. Dec. 16, 1943. 23 Au75  
For blowfly control.
- 10402 \*\*MARTELLI, G. M. Notizie su due ditteri [*Lonchaea splendida*, *Ceratitis capitata*] viventi in Tripolitania sul peperone e rapporti intercorrenti fra essi. *Agr. Colon. [Italy]* 37: 31-43. 1943.  
Noted in *\*Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 17: 65M. Apr. 1943. 464.8 In8
- 10403 MAY, E. S. An improved method of re-using sheep jetting mixtures for blow-fly control. *Agr. Gaz. N. S. Wales* 54: 575-576. Dec. 1, 1943. 23 N472
- 10404 \*\*MAZZERANGHI, A. La mosca dell'olivo [*Dacus oleae*] nei Castelli Romani ed i trattamenti antidacici. *Gior. d'Ital. Agr.* 25(50): 2. 1942.  
Noted in *\*Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 17: 28M. Feb. 1943. 464.8 In8
- 10405 \*\*MENG, C. H., and WINFIELD, G. F. Studies on control of fecal-borne diseases in North China; approach to quantitative study of house frequenting fly population; characteristics of rural fly population. *Chinese Med. Jour. [Changtu ed.]* 1: 18-19. Oct. 1942.  
Noted in *Quart. Cum. Index Med.* 34(1): 324. July/Sept. 1943. 448.8 Q12
- 10406 \*\*MESQUITA, BRUNO DE. Considerações sobre o impudismo em Angola. *Bol. Geral de Med. [Bastorá]* 24: 111-120. July/Sept. 1942.  
Gives identifying characters of chief malarial vectors.  
Abs. in *Trop. Dis. Bul.* 40: 744. Oct. 1943.  
448.8 T753
- 10407 MONNIG, H. O. Sheep-blowfly [*Lucilia cuprina*] investigations in the winter rainfall area. *Farming in So. Africa* 18: 799-801. Nov. 1943. 24 So842
- 10408 MOORE, MORRIS, and MANTING, GEORGE. Sporotrichosis following a mosquito bite. Description of lesions in a girl of Indian and French descent. *Arch. Dermat. and Syph.* 48: 525-526. Nov. 1943. 448.8 Ar242
- 10409 \*\*NEWBOLD, C. E., and COCHRANE, E. Control of *Anopheles argyritarsis* by flushing. *Caribbean Med. Jour.* 5: 91-92. 1943.  
Noted in *Trop. Dis. Bul.* 40: 825. Nov. 1943.  
448.8 T752
- 10410 \*NIESCHULZ, O. Untersuchungen über die Überträgerfrage bei der afrikanischen pferdesterbe. *Deut. Tierärztl. Wchnschr.* 50: 137-138. Mar. 14, 1942. 41.8 D482  
Author concludes transmission is not by mosquitoes.
- 10411 ORCHARD, O. B. Control of the tomato leaf miner (*Phytomyxa solani*, Macq. [i. e. *Phytomyza solani*]). *Cheshunt. Expt. and Res. Sta. Ann. Rpt* (1942) 28: 59-61. 1943. 103 N93
- 10412 ORFILA, R. N. Los gusanos del cuajo [*Gasterophilus nasalis*]. *Campy y Arados* 7(81): 12-13. Nov. 1943. 9.9 C152
- 10413 \*\*PARROT, L. Notes sur les phlébotomes. XXXIX [i. e. XXXIX ?]. A propos de deux prophlébotomes d'Algérie: *Phlebotomus* [i. e. *Flebotomus*] minutus var. signatipennis et *Phlebotomus* [i. e. *Flebotomus*] fallax. *Inst. Pasteur d'Algérie. Arch.* 20: 322-335. Dec. 1942.  
Noted in *Trop. Dis. Bul.* 40: 871. Nov. 1943.  
448.8 T752



- 10414 \*PAVLOVSKY, E. N. A most simple method for destroying mosquitoes (Phlebotomus *s. e.* Flebotomus) by catching them with a racket in buildings of European type. (Contribution to the prophylaxis of pendinka and papatassi-fever.) Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 37: 150-152. 1942. 511 P444
- 10415 PONTE, EDUARDO DEL. Estudios sobre el paludismo del litoral argentino. Argentina. Dept. Nac. de Hig. Inst. Bact. Rev. 11: 469-509. Sept. 1943. 448.3 Ar3
- Anopheles albitarsis, principal vector.
- 10416 POUYSSÉGUR, H. B. Los mosquitos en la Coordinación Sanitaria. Inst. Agr. Argentino. Reseñas 3(20): 41-45. 1943. 281.9 B862
- 10417 REES, D. M. A new mosquito record, *Mansonia perturbans*, from Utah (Diptera: Culicidae). Pan-Pacific Ent. 20: 19. Jan. 1944. 421 P193
- 10418 RICHMAN, ERNEST, and DEAY, H. O. Preliminary report on mosquito repellents. Ind. Acad. Sci. Proc. (1942) 52: 192-195. 1943. 500 In2
- 10419 \*\*RUSSELL, P. F., KNIPE, F. W., and RAO, R. H. On agricultural malaria and its control with especial reference to south India. Indian Med. Gaz. 77: 744-754. 1942.
- Anopheles culicifacies and A. fluviatilis mentioned as vectors.
- Abs. in Rev. Appl. Ent., B 31: 219. Nov. 1943. 421 B325
- 10420 \*\*SAID, M. Breeding of Chrysomya megacephala in closed septic tanks. Indian Med. Gaz. 78: 148. Mar. 1943.
- Noted in Quart. Cum. Index Med. 34(1): 436. July/Sept. 1943. 448.8 Q12
- 10421 SCHULZ, JUAN. La mosca de la fruta [Ceratitis capitata]. Un temible enemigo de nuestros montes frutales. Campo y Arados 7(81): 18-19. 30. Nov. 1943. 9.9 C152
- 10422 \*\*SENEVET, G., and others. Les moustiques de la Guyane. III, IV. Inst. Pasteur d'Algérie. Arch. 20: 336-351. Dec. 1942.
- Contents: III. Les sabethines, by G. Senevet, R. Chabelard, and E. Abonnenc; IV. Le genre Aedes (*s. g.* Finlaya) by G. Senevet, and E. Abonnenc.
- Abs. in Trop. Dis. Bul. 40: 870. Nov. 1943. 448.8 T752
- 10423 \*\*SHARLAND, W. Mosquito repellents. Australasian Jour. Pharm. 24(277): 27. 1943.
- Noted in Cur. List Med. Lit. 6: 37. Jan. 7, 1944. 241.71 C93
- 10424 STACKELBERG, A. A. New Palaearctic fungus-eaters (Diptera, Fungivoridae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 167-171. Dec. 30, 1943. 420 L84Fb
- New spp. in: Hadroneura; Boletina 2; Sciophila 2.
- 10425 STACKELBERG, A. A. A new species of Finlaya, Theo. Aedes (F.) alektorovi, (Diptera, Culicidae) from Ussuri Land. Bul. Ent. Res. 34: 311. Dec. 1943. 421 B87
- 10426 STAGE, H. H. Saboteur mosquitoes. Natl. Geog. Mag. 85: 165-179. Feb. 1944. 470 N213
- Control measures in war and peace.
- 10427 STEINBERG, A. G., and FRASER, F. C. Studies on the effect of X chromosome inversions on crossing over in the third chromosome of Drosophila melanogaster *s. e.* ampelophila. Genetics 29: 83-103. Jan. 1944. Ref. 442.5 G28
- 10428 STERN, CURT, and SCHAEFFER, E. W. On primary attributes of alleles in Drosophila melanogaster *s. e.* ampelophila. Natl. Acad. Sci. Proc. 29: 351-361. Dec. 1943. 500 N21P
- 10429 STERN, CURT, and SCHAEFFER, E. W. On wild-type iso-alleles in Drosophila melanogaster *s. e.* ampelophila. Natl. Acad. Sci. Proc. 29: 361-367. Dec. 1943. 500 N21P
- 10430 \*\*SUURKULA, J. Durch dipterenlarven verursachte augenkrankheiten (ophthalmomyiasis). Klin. Monatsbl. f. Augenheilk. Beiheft 13: 1-41. 1942.
- Noted in Quart. Cum. Index Med. 34(1): 479. July/Sept. 1943. 448.8 Q12
- 10431 \*\*TALICO, R. V. El por qué de la lucha contra la mosca domestica [Musca domestica]. Arch. Uruguayos de Med., Cirugia y Especialidades 22: 558-603. June 1943.
- Noted in Cur. List Med. Lit. 6: 51. Jan. 14, 1944. 241.71 C93
- 10432 TYLER, A. F. Mosquito bomb; powerful new device filled with new insecticide [pyrethrum with Freon], helps our soldiers wipe out death-dealing mosquitoes in the Tropics. Nation's Business 31(8): 61. Aug. 1943. 286.8 N212
- 10433 VAN SOMEREN, G. R. C. Notes on the mosquitoes of British Somaliland. Bul. Ent. Res. 34: 323-328. Dec. 1943. 421 B87
- 10434 \*\*WIESMANN, R. Neues über die Kirschfliege Rhagoletis cerasi. Schweiz. Ztschr. f. Obst u. Weinbau 51: 483-485. Dec. 5, 1942. 80 Sch9
- 10435 WILLIAMS, C. M., and BEECHER, H. K. Sensitivity of Drosophila [azteca] to poisoning by oxygen. Amer. Jour. Physiol. 140: 566-573. Jan. 1, 1944. 447.8 Am3
- 10436 WILSON, D. B., and MELVILLE, A. R. The control of malaria. East Africa command, 1940-1943. (Concl.) Roy. Army Med. Corps. Jour. 81: 263-268. Dec. 1943. 448.9 R81
- Measures discussed include personal protection by nets and pyrethrum spray, destruction of adult and larval Anopheles.
- 10437 YAO, Y. T. Present status of malaria in free China. Chinese Med. Jour. 61: 38-46. Jan./Mar. 1943. 448.8 C44
- Thirty-one species and varieties of anophelines are recorded. Anopheles minimus and A. hyrcanus sinensis are the chief vectors.

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 10438 \*\*BALACHOWSKY, A. Essai sur la classification des cochenilles (Homoptera-Coccoidea). Grignon. Ecole Natl. d'Agr. Ann. Ser. 3, 3: 34-48. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 42M. Mar. 1943. 464.8 In8
- 10439 \*\*BALÁS, GEZA. Három Magyarországra új paizstetű [Three coccids, new to Hungary]. Budapest. Magyar Kir. Kertészeti Akad. Közlem. 8: 159. 1942.
- Summary in German.
- Aspidiotus rapax on Cytisus austriacus; Chionaspis euonymi on Euonymus spp.; Lepidosaphes conchiformis on Ulmus spp.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 61M. Apr. 1943. 464.8 In8
- 10440 \*BÖRNER, C., and GOLLMICK, F. Blutlausimmune Naumburger edelapfelzüchtungen. Angew. Bot. 25: 144-149. Jan./Apr. 1943.
- Eriosoma lanigerum.
- 10441 \*BÖRNER, CARL. Die ersten reblausimmunen rebenkreuzungen. Angew. Bot. 25: 126-143. Jan./Apr. 1943.
- Phylloxera vitifoliae.
- 10442 \*\*CANDURA, G. S. L'incremento della produzione della frutta. La lotta contro le cocciniglie. Risultati di esperienze pluriennali con i polisolfuri. Gior. di Agr. 53: 34. 1943.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 61M. Apr. 1943.
- 10443 CARVALHO, J. C. M., and DRAKE, C. J. Concerning Chilean Miridae (Hemiptera) in the collection of Edwin C. Reed. Rev. Brasil. de Biol. 3: 293-299. Sept. 1943. 442.8 R326



- 10444 CHINA, W. E. A new genus and species [Boxia khayae] of Miridae (Bryocorinae) feeding on Khaya grandifoliola in the Gold Coast. (Hemiptera Heteroptera). Bul. Ent. Res. 34: 287-290. Dec. 1943. 421 B87
- 10445 CHINA, W. E. A new species of Microvelia [M. trinitatis] (Hemiptera, Veliidae) from Trinidad. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 121-124. Aug. 24, 1943. 420 L84Pb
- 10446 DAVIDSON, R. H., and DELONG, D. M. Studies of the genus Empoasca (Homoptera, Cicadellidae). Part XI. Six new species of Empoasca from Mexico. Ent. Soc. Amer. Ann. 36: 636-640. Dec. 1943. 420 En82
- 10447 DELONG, D. M. A new genus Artucephalus, and a new species [A. fasciatus] of Mexican leafhopper (Homoptera, Cicadellidae). Ent. Soc. Amer. Ann. 36: 654-655. Dec. 1943. 420 En82
- 10448 DEMARIA MASSEY, DELIO. Plagas que atacan al olivo. Vinos, Viñas y Frutas 39: 196-197. Nov. 1943. 9 Ag89
- Fungi and scale insects.
- 10449 FORD, R. M. Spruce gall [Chermes abietis]. Greenkeepers' Rptr. 12(1): 10. Jan./Feb. 1944. 60.18 G83
- 10450 HARRIS, H. M. A new Harmostes, with a provisional key and a check list of the species (Hemiptera: Rhopalidae). Iowa State Col. Jour. Sci. 18: 191-197. Jan. 1944. 470 Io9
- H. splendens n. sp.
- 10451 HARRIS, H. M., and SHULL, W. E. A preliminary list of Hemiptera of Idaho. Iowa State Col. Jour. Sci. 18: 199-208. Jan. 1944. 470 Io9
- 10452 \*HASE, ALBRECHT. Ueber die maskierung der bettwanzen [Cimex lectularius], sowie über deren praktische bedeutung. Desinfekt. u. Schädlingsbekämpfung. 35: 2-5. Jan. 1943. 449.8 Z36P
- 10453 \*\*KOLTERMANN. Das auftreten der kohlwanze [Eurydema oleraceum, E. ornatum] in Pommern. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 1-2. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 60M. Apr. 1942.
- 10454 LEACH, J. G., and CLULO, GENEVIEVE. Association between Nematosporea phaseoli and the green stinkbug [Acrosternum hilare]. Phytopathology 33: 1209-1211. Dec. 1943. 464.8 P56
- 10455 \*\*LEPESME, PIERRE. Contribution à l'étude de Volumus obscurus Popp. (Hemiptera Capsidae), agent de la "coulture" des fleurs de cafeier en Afrique centrale. Ann. des Epiphyt. (n. s.) 8: 47-59. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 64M. Apr. 1943.
- 10456 LIZER Y TRELLES, CARLOS. Descripción de cuatro psíidos filocecidógenos (Hom. Stern. Psyll.). La Plata Univ. Nac. Mus. Notas. Zool. 8: 151-165. Aug. 5, 1943. 410 L31
- Trioxa ocoteae n. sp., Tainarys schini, Calophya gallifex, C. williamsi n. sp.
- 10457 \*\*LWOFF, MARGUERITE, and NICOLLE, PIERRE. Recherches sur la nutrition des reduvidés hemophages. II, III. Soc. de Path. Exot. Bul. 36: 110-124, 154-167. 1943.
- Contents: II. Besoins alimentaires des adultes de "Triatoma infestans" Klug dans les habituelles d'elévage. Fecondite des femelles. III. Alimentation artificielle de "Triatoma infestans" Klug au moyen de sang defibrine hemolyse, by P. Nicolle and M. Lwoff.
- Abs. in Inst. Pasteur [Paris]. Bul. 41: 302-303. Sept./Oct. 1943. 448.8 An75B
- 10458 MASSEE, A. M. The egg of Euacanthus interruptus L. (Hem., Jassidae). Ent. Monthly Mag. 79: 270. Dec. 1943. 421 En86
- 10459 MASSEE, A. M. A note on apple sucker [Psylla mali]. East Malling [Kent] Res. Sta. Ann. Rpt. (1942) 30: 107. Aug. 1943. 103 Ea7
- 10460 MONTE, OSCAR. Notas sobre Saicinae (Hemiptera, Reduviidae). Rev. Brasil. de Biol. 3: 361-364. Sept. 1943. 442.8 R326
- Key to American genera. Paratagalis spinosus, n. g. and sp.
- Summary in English.
- 10461 \*\*NEGI, P. S. Artificial control of the enemies of lac insects [Laccifer laccas] and lac. Part I: Water-immersion. Indian Lac Res. Inst. Bul. 50, 9 p. Ranchi, 1942.
- For control of predators, Holocera pulverea and Eublemma amabilis.
- Abs. in Rev. Appl. Ent., A 31: 453-454. Nov. 1943. 421 R325
- 10462 \*\*NICOLLE, P. A propos de l'adaptation à l'hémophagie chez les insectes et plus spécialement chez les reduvidés. Biol. Med. 32: 144-161. May/Oct. 1942.
- Abs. in Inst. Pasteur [Paris]. Bul. 41: 302. Sept./Oct. 1943. 448.3 An75B
- 10463 \*\*OSSIANILSSON, F. Studier över de svenska potatisfältens insektfauna och dess betydelse för spridning av virusjukdomar. I. Hemiptera, förekomst och utbredning [Studies on the insect fauna of Swedish potato fields and its importance for the spread of virus diseases. I. Rhynchotha, occurrence and distribution]. Sweden. Statens Värtskyddsanst. Meddel. 39. 72 p. Stockholm, 1943.
- Summary in German.
- Abs. in Rev. Appl. Ent., A 31: 438. Nov. 1943. 421 R325
- 10464 PETTEY, F. W. Prickly-pear eradication by insects and felling of plants. Farming in So. Africa 18: 743-746. Oct. 1943. 24 So842
- Dactylopius opuntiae more effective than Cactoblastis cactorum in control of Opuntia.
- 10465 RICE, L. A. Notes on the biology and species of the three genera [Notonecta, Buenoa, Flea] of Notonectidae found at Reelfoot Lake, Tennessee. Reelfoot Lake Biol. Sta. Rpt. 6: 55-67. Jan. 1942. 442.9 R25
- 10466 RUSSELL, L. M. A taxonomic study of the genus Aleuroglandulus Bondar (Homoptera: Aleyrodidae). Wash. Ent. Soc. Proc. 46: 1-9. Jan. 1944. 420 W27
- New spp.: A. magnus; A. emmae; A. malangae.
- 10467 \*\*RUSSO, GIUSEPPE. Le cocciniglie [Coccidae] degli agrumi e mezzi per combatterle. Coltivatore e Gior. Vinic. Ital. 88: 13-14, 19-21. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 81M. May 1942.
- 10468 \*\*SĂVESCU, AUREL. Combaterrea lecanidelor (păduchi țestoși) din România, în raport cu fazele de evoluție și fenomenul biologic: Migrație. Agr. Nouă 9: 263-276. 1942.
- Eulecanium spp., Pulvinaria betulae, Sphaerolecanium prunastri.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 30M. Feb. 1943.
- 10469 SHULL, A. F. Origin of diverse strains of an aphid species [Macrosiphum solanifolii] within a limited area. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 425-431. 1943. 500 M582
- 10470 SMITH, A. J. The spraying of citrus trees for scale control. Farming in So. Africa 18: 803-806. Nov. 1943. 24 So842
- 10471 TAUBER, O. E., and others. Effect on the chinch bug (Blissus leucopterus Say) of contact with various dinitrophenols and other dusts. Iowa State Col. Jour. Sci. 18: 255-265. Jan. 1944. 470 Io9
- A. H. Tauber, W. N. Bruce, and J. T. Griffiths, Jr., joint authors.



10472 \*\*TORANZOS, L. B., FIGUERERO, M., and BARBARÁ, L. Primer caso agudo de enfermedad de Chagas en el departamento Mercedes (Provincia de Corrientes). Argentina. Dept. Nac. de Hig. Bol. Sanit. 6: 469-473. 1942.

*Triatoma infestans*, vector.

Abs. in Rev. Appl. Ent., B 31: 213. Nov. 1943.

421 R325B

10473 UPHOF, J. C. T. El hemíptero *Heliopeltis* del cacahual y las hormigas que lo ahuyentan. Hacienda 39: 11. Jan. 1944. 6 H11

Natural control of *H. antonii* by *Dolichoderus bi-tuberculatus*, and dependence of the latter on *Pseudococcus crotonis*, in Java cocoa plantations.

10474 USINGER, R. L. A revised classification of the Reduviidae with a new subfamily [Elasmocerinae] from South America (Hemiptera). Ent. Soc. Amer. Ann. 36: 602-618. Dec. 1943. Refs. 420 En82

*Elasmocoris setigerus*, n. g. and n. sp.

10475 VAN DER MERWE, C. P. The citrus psylla (*Spanioza erytraea*, del G.). Union So. Africa Dept. Agr. and Forestry. Sci. Bul. 233 (Ent. Ser. 8), 12 p. Pretoria, 1941. 24 So84S

10476 WOOD, S. F. Additional notes on the persistence of *Trypanosoma cruzi* in dead insect vectors [*Triatoma* spp.]. South. Calif. Acad. Sci. Bul. 42: 115-127. Sept./Dec. 1943. 500 So8

10477 \*\*YOUNG, B. White flies attacking Citrus in Szechwan. Sinensia 13: 95-101. 1942.

New spp. and forms in: *Dialeurodes*; *Bemisia*; *Aleurobus*; *Aleurocanthus*. - Abs. in Rev. Appl. Ent., A 31: 436. Nov. 1943. 421 R325

10478 \*\*ZIELKE, O. Ueber die eschenwollschilde, *Fonscolombea fraxini* (Kalt.) Ckll. (Hem. Cocc.), und die standörtlichen befallsverhältnisse bei der esche, *Fraxinus excelsior* L. Biol. Reichsanst. f. Land u. Forstw. Arb. 23: 293-386. 1942.

Abs. in Rev. Appl. Ent., A 31: 437. Nov. 1943.

421 R325

#### HYMENOPTERA

10479 BEQUAERT, J. C. On the so-called *Mischocyttarus ater*, *Polybia atra*, and their relatives (Hymenoptera, Vespidae). Ent. Soc. Amer. Ann. 36: 717-729. Dec. 1943. 420 En82

*Mischocyttarus socialis* (de Saussure, 1854) shown to be the correct name for *M. ater* Ducke. *Polybia atra* is in part *M. socialis*, and in part *P. ignobilis*. Two new forms, *P. tinctipennis nebulosa* and *P. rufitarsis peruviana*, are described.

10480 \*\*BRANDE, J. VAN DEN. *Cephus-onderszoek* [*Cephus pygmaeus*]. Vergelijking der halmen van aange-taste planten. (The wheat-stem sawfly. Healthy and attacked stems of parasitized plants.) Ghent. Land-bouwhoogesch. Meded. 10: 182-193. 1942.

Titles and summaries in Flemish, French, German and English.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 47M. Mar. 1943. 464.8 In8

10481 \*\*BRANDE, J. VAN DEN, and SWARTENBROECK, J. De graanhalwesp (*Cephus pygmaeus* L.). Ghent. Landbouwhoogesch. Meded. 10: 3-10. 1942.

Summaries in Flemish, French, German, and English.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 179M. Dec. 1942. 464.8 In8

10482 BRYANT, G. E. A new species of *Fustiger-odes* [*F. formicarius*], (Col., Pselaphidae, Clavigerinae) from the Gold Coast. Ent. Monthly Mag. 79: 278-280. Dec. 1943. 421 En86

10483 \*CEBALLOS, GONZALO *Pachylommatidae*, familia de himenopteros nueva para la fauna español. Eos 19: 63-67. Apr. 10, 1943. 421 Eo7

10484 DONISTHORPE, HORACE. A list of the type-species of the genera and subgenera of the Formicidae. (Concl.) Ann. and Mag. Nat. Hist. (ser. 11) 10: 721-737. Nov. 1943. 410 An77

10485 DONISTHORPE, HORACE. Myrmecological gleanings. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 115-116. Aug. 24, 1943. 420 L84Pb

Proposes five new names in Formicidae.

10486 DOUBLEDAY, B. S. A brief introduction to the study of chalcids. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 56-66. Oct. 31, 1943. 420 So8

10487 DREISBACH, R. R. The genus *Vespula* (Hymenoptera, Vespidae) in Michigan, with keys and distribution. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 323-329. 1943. 500 M582

10488 DREYFUS, ANDRÉ, and BREUER, M. E. Chromosomes and sex determination in the hymenopteron *Tele-nomus fariat* (Lima). Genetics 29: 75-82. Jan. 1944. 442.8 G28

10489 FORD, R. L. E. On collecting and rearing parasitic Hymenoptera with special reference to the genus *Apanteles* (Hym. Braconidae). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 89-94. Dec. 30, 1943. 420 L84Pa

10490 \*GINER MARÍ, J. *Bembex paleárticos*. II. Monografía de los *Bembex* F. de España (Hym. Sphec.). Eos 19: 7-50. Apr. 10, 1943. 421 Eo7

*B. paradoxa* n. sp.

10491 HEADLEY, A. E. Population studies of two species of ants, *Leptothorax longispinosus* Roger and *Leptothorax curvispinosus* Mayr. Ent. Soc. Amer. Ann. 36: 743-753. Dec. 1943. 420 En82

10492 \*JUNCO Y REYES, J. J. DEL. Himenópteros de España. *Psammocharidae* (Olim. *Pompilidae*). (Cont.) Eos 19: 79-118. Apr. 10, 1943. 421 Eo7

10493 \*\*LINDEMUTH, KARL. Massenauf-treten von *Apion aestivum* Germ. im kreise Husum. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 55-56. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 175M. Dec. 1942.

10494 \*\*LOEWEL, E. L., and SACHTLEBEN, H. Blatt-wespenlarven [*Ametastegia glabrata*] als apfelschädlinge. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 23: 5. 1943.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 65M. Apr. 1943.

10495 MELVILLE, RONALD, and DADE, H. A. Chalk brood attacking a wild bee [*Megachile* sp.?]. Nature [London] 153: 112. Jan. 22, 1944. 472 N21

Caused by fungus, *Pericystis apis*.

10496 MITCHELL, T. B. On the classification of neotropical *Megachile* (Hymenoptera: Megachilidae). Ent. Soc. Amer. Ann. 36: 656-671. Dec. 1943. 420 En82

Five new subgenera (*Chrysosarus*, *Austromegachile*, *Ptilosarus*, *Dasymegachile*, *Dactylomegachile*) and two new names proposed.

10497 MÓCZÁR, L. Zur ethologie der wegvespen *Psammochares plumbeus* F., *Ps. (Anoplius) infuscatus* Lind. und *Episyron rufipes* L. (Hym. Psammocharidae.) Zool. Anz. 143: 141-152. Aug. 15, 1943. 410 Z7

10498 MORRIS, R. L. An annotated list of the ants of Indiana. Ind. Acad. Sci. Proc. (1942) 52: 203-224. 1943. 500 In2

10499 NIXON, G. E. J. New braconid parasites of Australian wood-boring beetles with notes on the subfamily Hecabolinae (Hym., Braconidae). Bul. Ent. Res. 34: 257-267. Dec. 1943. 421 B87

New spp. in: *Doryctes*; *Heteropsilus*; *Monolexis* 2; *Eucorystes* 2; *Terate*, n. g.



- 10500 NIXON, G. E. J. A revision of the Spathiinae of the Old World (Hymenoptera, Braconidae). Roy. Ent. Soc. London. Trans. 93: 173-456. Dec. 30, 1943. Refs. 420 L84
- New spp. and forms in: *Spathius* 168; *Paraspathius* 7; *Pseudospathius* 2; *Sisupala*, n. g.; *Platyspathius* 5; *Toka*, n. g.; *Parana*, n. g.
- 10501 OSBURN, R. C. Two unusual *Vespula* nests. Ent. Soc. Amer. Ann. 36: 740-742. Dec. 1943. 420 En82
- 10502 \*\*PAPE, H. Frassschäden durch die Larven der Rübenblattwespe (*Athalia colibri* Christ.) an Zierkreuzblütern. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 24-25. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 130M. Sept. 1942. 464.8 In8
- 10503 PARKER, H. L. Gross anatomy of the larva of the wasp *Polistes gallicus* (L.) (Hymenoptera, Vespidae). Ent. Soc. Amer. Ann. 36: 619-624. Dec. 1943. 420 En82
- 10504 PICKLES, W. Mound-building by ants (Hym., Formicidae) in Algeria. Ent. Monthly Mag. 79: 271-274. Dec. 1943. 421 En86
- 10505 RAU, PHIL. The nesting habits of certain sphecoid wasps of Mexico, with notes on their parasites. Ent. Soc. Amer. Ann. 36: 647-653. Dec. 1943. 420 En82
- 10506 RAU, PHIL. Notes on the nesting habits of certain social and solitary bees of Mexico. Ent. Soc. Amer. Ann. 36: 641-646. Dec. 1943. 420 En82
- 10507 RUEDA, LUIS. Porcedimientos para combatir las bibijaguas [*Atta insularis*]. Agr. Mod. [Habana] 1(1): 15-16, 21; (2): 10; (3): 9; (4): 8-9. June, July, Aug., Sept. 1943. 8 Ag882
- 10508 \*\*SAEGER, H. DE. Les Apanteles. Hymenopteres, braconides, parasites de lepidopteres. Belgium. Min. des Colon. Dir. Gen. de l'Agr. Bul. Agr. du Congo Belge 33: 234-238. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 42M. Mar. 1943.
- 10509 SCHELL, S. C. The biology of *Hadronotus ajax* Girault (Hymenoptera-Scelionidae), a parasite in the eggs of squash-bug (*Anasa tristis* DeGeer). Ent. Soc. Amer. Ann. 36: 625-635. Dec. 1943. 420 En82
- 10510 \*\*STURDZA, S. A. Nachbewegungen der roten waldameise [*Formica rufa pratensis*] auf der dreh-scheibe. Bucharest. Acad. Română. Sect. Sci. Bul. 24: 597-604. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 131. Jan. 1943. 464.8 In8
- 10511 \*\*STURDZA, S. A. Verhalten der roten waldameise [*Formica rufa pratensis*] auf horizontal gedrehten lotrechten flächen. Bucharest Acad. Română, Sect. Sci. Bul. 24: 605-609. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 13M. Jan. 1943. 464.8 In8
- 10512 TAYLOR, J. S. Notes on *Brachymeria* sp. (Chalcididae), a pupal parasite of *Cactoblastis cactorum* Berg. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 58-63. Sept. 15, 1943. 420 L84Pa
- 10513 WISEHART, GEO. Note on the establishment in Canada of imported parasites of the pea moth, *Laspeyresia nigricana* Steph. Canad. Ent. 75: 237-238. Dec. 1943. 421 C16
- Ascogaster quadridentatus* and *Glypta haesitator*
- See also Apiculture and *Apis mellifera*.

## ISOPTERA

- 10514 \*GÖSSWALD, KARL. Zur prüfung von vorbeugungs- und bekämpfungsmitteln gegen termiten. Anz. f. Schädlingsk. 19: 13-21, 30-34. 1943. 421 An9

- 10515 HUNGATE, R. E. Quantitative analyses on the cellulose fermentation by termite [*Zootermopsis*; protozoa [*Trichonympha* spp., *Trichomonas termopsidis*]. Ent. Soc. Amer. Ann. 36: 730-739. Dec. 1943. 420 En82
- 10516 RILEY, N. D. An occurrence of *Nasutitermes costalis* Holmgren in England (Isoptera). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 95. Dec. 30, 1943. 420 L84Pa
- 10517 SMIT, BERNARD. Termites in farm lands and gardens. Farming in So. Africa 18: 871-872, 880, 882. Dec. 1943. 24 So842

## LEPIDOPTERA

- 10518 \*\*AHLBERG, O. Ett massuppträdande av Jordflylarver [An outbreak of cutworms]. Sweden. Statens Värtskyddsanst. Värtskyddsnotiser 1943, No. 3, p. 1-4. Abs. in Rev. Appl. Ent., A 31: 427. Oct. 1943. 421 R325
- 10519 BEIRNE, B. P. The distribution and origin of the British Lepidoptera. Roy. Irish Acad. Proc. B 49: 27-59. March 1943. 430 B392
- 10520 BURTON, R. J. President's address. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 16-24. Oct. 31, 1943. 420 So8
- Deals mainly with Microlepidoptera.
- 10521 COCKAYNE, E. A. The larvae of the British Lithosiinae. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 75-78. Oct. 31, 1943. 420 So8
- 10522 COCKAYNE, E. A. A two-horned larva of *Mimas tiliae* L. (Lepidoptera). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 88. Dec. 30, 1943. 420 L84Pa
- 10523 COMSTOCK, J. A. Additional notes on *Erinyalis ello* L. (Lepidoptera; Sphingidae). South. Calif. Acad. Sci. Bul. 42: 133-135. Sept./Dec. 1943. 500 So8
- 10524 COMSTOCK, J. A., and HENNE, CHRISTOPHER. Mature larva of *Graptolitha longior* Sm. South. Calif. Acad. Sci. Bul. 42: 132. Sept./Dec. 1943. 500 So8
- 10525 CORBET, A. S. The forms of *Elymnias hypermestra* (L.) (Lep. Rhop.) in the Malay Peninsula. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 117-119. Aug. 24, 1943. 420 L84Pb
- 10526 CORBET, A. S. Taxonomy of the moths infesting stored food products. Nature [London] 152: 742-743. Dec. 25, 1943. 472 N21
- 10527 DE GRUYSE, J. J. The spruce budworm [*Archips fumiferana*] in Eastern Canada. Canada Lumberman 64(3): 22-24. Feb. 1, 1944. 99.81 C16
- 10528 \*\*DELASSUS, M., and LEPIGRE, M. Destruction de la teigne de la pomme de terre [*Gnorimoschema operculella*] par fumigations insecticides. Progrès de la méthode en Afrique du Nord, durant la campagne 1941-1942. Fruits et Primeurs de l'Afrique du Nord 12: 164-166. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 9M. Jan. 1943. 464.8 In8
- 10529 \*\*DELASSUS, M., and FRÉZAL, A. Le ver des pommes et des poires [*Carpocapsa pomonella*]. Fruits et Primeurs de l'Afrique du Nord 12: 87-91. 1942.
- Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 127M. Sept. 1942.
- 10530 \*\*DEM'YANOVSKAYA, N. S., and SOKOL'SKAYA, A. V. Changes in the water, dry substance and total nitrogen content of the silkworm, *Antheraea pernyi*, G. during development. Biokhimiya 8: 77-84. 1943.
- In Russian, with English summary.
- Abs. in Chem. Abs. 37: col. 6748. Nov. 20, 1943. 381 Am33C



10531 \*\*DESHUSSES, L. A., and CORBAZ, J. Essais de lutte contre les parasites de la vigne. I. Lutte contre les vers de la vigne [*Glysia ambiguella*, *Polychrosis botrana*] en 1942. Jour. d'Agr. Suisse 64(49) 2. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 26M. Feb. 1943.

10532 DETHIER, V. G. The life history of *Polites sabuleti* Bdv. South. Calif. Acad. Sci. Bul. 42: 128-131. Sept./Dec. 1943. 500 So8

10533 DICKINSON, B. C. A laboratory and field study of the relative effectiveness of two types of arsenate of lead when used as a control for the codling moth larva, *Carpocapsa pomonella* (L.). Ohio State Univ. Abs. Doctoral Diss. No. 41, p. 23-27. 1943. 241.8 Oh3

10534 DUGAS, A. L. Recommendations for a sugarcane borer [*Diatraea saccharalis*] control program in Louisiana. Sugar Bul. 22: 61-62. Jan. 15, 1944. 65.9 Am32

10535 EVANS, W. H. A revision of the genus *Aeromachus* De N. (Lepidoptera: Hesperidae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 97-101. Aug. 24, 1943. 420 L84Pb

Seven new ssp. and forms.

10536 EVANS, W. H. A revision of the genus *Suastus* Moore (Lepidoptera: Hesperidae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 95-96. Aug. 24, 1943. 420 L84Pb

*S. minuta* aditua, n. ssp.

10537 FLETCHER, T. B. *Cynthia hampstediensis*. Ent. Rec. and Jour. Variation 55: 118-119. Dec. 1943. 421 En89

10538 FORBES, I. L., and DUGAS, A. L. The red rot and borer [*Diatraea saccharalis*] problem in Co.290 [sugarcane variety]. Sugar Bul. 22: 70. Feb. 1, 1944. 65.9 Am32

10539 FORBES, W. T. M. The genus *Thyridia* (Lepidoptera, Ithomiinae). Ent. Soc. Amer. Ann. 36: 707-716. Dec. 1943. 420 En82

Includes n. spp.: *T. maxima*, *T. nigerrima*, *T. grandior*; new race, *T. grandior incana*.

10540 FORD, L. T. Notes on collecting species of the genus *Elachista*, Treit. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 67-69. Oct. 31, 1943. 420 So8

10541 \*\*GABOTTO, LUIGI. E le tignuole della vite? [*Glysia ambiguella*, *Polychrosis botrana*]. Coltivatore e Gior. Vinic. Ital. 88: 55-56. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 128M. Sept. 1942.

10542 GLEISSNER, B. D. Studies on the biology and control of the grape berry moth [*Polychrosis viteana*] in the Erie grape belt. Ohio State Univ. Abs. Doctoral Diss. No. 42, p. 29-34. 1943. 241.8 Oh3

10543 \*\*GÖTZ, BRUNO. Vergleichende mottenflugbeobachtungen zum massenwechsel der traubenwickler [*Glysia ambiguella*, *Polychrosis botrana*]. Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 15-17. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 128M. Sept. 1942.

10544 HANCOCK, H. A. The pink bollworm [*Pectinophora gossypiella*] situation in Egypt. Acco Press 22(1): 11. Jan. 1944. 6 Ac2

10545 HARTZELL, F. Z. Watch the bud moth [*Spilonota ocellana*] for possible new outbreaks. Farm Res. [N. Y. State Sta.] 10(1): 17-18. Jan. 1, 1943. 100 N48A

10546 HATTINGH, C. C. The biology and ecology of the army worm (*Laphygma eximpta*) and its control in South Africa. Union So. Africa Dept. Agr. and Forestry. Sci. Bul. 217 (Ent. Ser. 2), 50 p. Pretoria, 1941. 24 So843

Two colored plates.

10547 \*\*HEY, A. Die umbräule (*Pyrrhia umbra* Hufn.) als serratellenschädling? Nachrichtenbl. f. den Deut. Pflanzenschutzdienst 22: 25. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 128M. Sept. 1942.

10548 HOVANITZ, WILLIAM. The distribution of gene frequencies in wild populations of *Colias*. Genetics 29: 31-60. Jan. 1944. 442.8 G28

10549 HOVANITZ, WILLIAM. Genetic data on the two races of *Colias chrysotheme* in North America and on a white form occurring in each. Genetics 29: 1-30. Jan. 1944. 442.8 G28

10550 \*\*JOB, VITTORIO. Note di entomologia: la lotta contro la *Cydia* [i.e. *Carpocapsa*] *pomonella*. Gior. di Agr. 52: 242. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 44M. Mar. 1943.

10551 LEES, F. H. P. [i.e. *Autographa*] *orichalcea* (aurifera) and P. [i.e. A.] *chalcites*. The occurrence of two foreign *Plusia* species in S. Devon. Ent. Rec. and Jour. Variation 55: 115-117. Dec. 1943. 421 En89

10552 LOPEZ CRISTOBAL, URALDO. Instrucciones para combatir el gusano de las pomaceas (*Cydia* [*Carpocapsa*] *pomonella* (Linné)). Campo [Buenos Aires] 27(342): 43-45. Oct. 1943. 9 C15

10553 \*\*MALENOTTI, ETTORE. Climogrammi e invasioni parassitarie. Ist. Veneto di Sci., Let., ed Arti. Atti. 101(pt.2): 467-471. 1942.

*Pyrausta nubilalis*.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant. Protect. 17: 27M. Feb. 1943.

10554 \*\*MIESTINGER, K. Erfahrungen bei spritzversuchen gegen springwurm [*Sparganothis pillariana*]. Weinland 15: 29-30. Mar. 1943.

Abs. in Chem. Zentbl. 114,1: 2628. June 23, 1943. 384 C42

10555 NEGRONI, PABLO. Sobre el *Paecilomyces* *burci* (Pollacci) Thom, como probable hongo entomogeno de la mariposa. Argentina. Dept. Nac. de Hig. Inst. Bact. Rev. 11: 265-267. June 1943. 448.3 Ar3

10556 PARSONS, C. Q. The larval durations of *Thera variata* and *T. firmata*. Ent. Rec. and Jour. Variation 55: 122. Dec. 1943. 421 En89

10557 POTTS, R. W. L. Systematic notes concerning American *Acraeinae*, II. (Lepidoptera: Nymphalidae) Pan-Pacific Ent. 20: 31-34. Jan. 1944. 421 P193

Eight new spp. and spps. in Altinote.

10558 PURRMANN, R. Über die farbstoffe der schmetterlinge. Chemie 56: 253-258. Sept. 18, 1943. 384 Z33

10559 RUNNELLS, D. L. Corn borers [*Pyrausta nubilalis*, attack spuds. Mich. Potato Growers Exch. 24(3): 2. Jan. 1, 1944. 75.8 M55

10560 RUSSELL, S. G. C. Mice eating butterflies [*Pararge megara*]. Ent. Rec. and Jour. Variation 55: 122-123. Dec. 1943. 421 En89

10561 \*\*SĂVESCU, D. Combaterea cotarilor (*Ghesmatobia* [i.e. *Operophtera*] *brumata*, *Hybernaria defoliaria*). Agr. Nouă 9: 237-242. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 47M. Mar. 1943.

10562 SHEPARD, H. H. The types of hesperioid genera. Further additions and corrections to the Lindsey list, 1925. Ent. Soc. Amer. Ann. 36: 754-760. Dec. 1943. 420 En82



- 10563 TALBOT, G. Notes on the genus *Dixeia* Talbot, with descriptions of new forms (Lep. Rhop. Pieridae). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 102-112. Aug. 24, 1942. 420 L84Pb  
Fifteen new ssp. and forms.
- 10564 TRAVASSOS FILHO, LAURO. Nota sobre "Lepidoneiva erubescens" (Butler, 1876) (Lepid.: "Ctenuchidae" Kirby, 1837. Rev. Brasil. de Biol. 3: 337-339. Sept. 1943. 442.8 R326
- 10565 TURNER, H. J. The British Noctuae p.l.e. Phalaenidae; and their varieties. (Cont.) Ent. Rec. and Jour. Variation 55(12, sup.): 129-132. Dec. 1943. 421 En89
- 10566 ULLYETT, G. C. The control of the small cabbage moth [*Plutella maculipennis*]. Farming in So. Africa 18: 802, 806. Nov. 1943. 24 So842
- 10567 VANSELL, G. H. The wax moth [*Galleria mellonella*] as a household pest. Pests 12(1): 26. Jan. 1944. 449.8 Ex8
- 10568 WATSON, J. R. Stop squash and cuke worms [*Diaphania hyalinata*; *D. nitidalis*]. Fla. Grower 52(1): 4. Jan. 1944. 80 F6622
- 10569 WILSON, J. F. Trouble with moths? [*Tineola bisselliella*]. Calif. Wool Grower 20(4): 4-5. Jan. 25, 1944. 45.8 C12
- 10570 WILTSHIRE, E. P. The conclusion of the discussion on *Cucullia scrophulariae*, Cap. Ent. Rec. and Jour. Variation 55: 117-118. Dec. 1943. 421 En89
- 10571 WORMS, BARON DE. Introduction to a discussion on the Lithosiinae. So. London Ent. and Nat. Hist. Soc. Proc. 1942/43, Part II, p. 70-74. Oct. 31, 1943. 420 So8  
See also Sericulture and the Silkworm.
- ORTHOPTERA
- 10572 BARNHART, C. S. Roaches. Sci. Monthly 58: 81. Jan. 1944. 470 Sci23  
Boric acid in control of *Blattella germanica*.
- 10573 \*\*BASIR, M. A. Nematodes parasitic in *Gryllotalpa*. Indian Mus. Rec. 44: 95-106. 1942. Abs. in Rev. Appl. Ent., A 31: 453. Nov. 1943. 421 R325
- 10574 \*\*BOSELLI, F. B. È possibile distruggere completamente le cavallette [*Doclostaurus maroccanus*, *Calliptamus italicus*] in Sardegna? Agr. Sarda 21: 33-36. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 59M. Apr. 1942.
- 10575 BURTT, ERIC, and CARPENTER, G. D. H. The defensive attitude of the mantid *Idolum diabolicum* Sauss. (Orthoptera). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 57. Sept. 15, 1943. 420 L84Pa
- 10576 COON, B. F. Effects of paralytic insecticides on heart pulsations and circulation of the blood in the American cockroach [*Periplaneta americana*]. Ohio State Univ. Abs. Doctoral Diss. No. 40, p. 29-33. 1943. 241.8 Oh3
- 10577 GIRAL, JOSÉ, GIRAL, FRANCISCO, and GIRAL, M. L. Sobre aceites de insectos. II. *Melanoplus* sp. Ciencia 4: 155-156. Dec. 15, 1943. 475 C48
- 10578 KEVAN, D. K. M. An account of *Schistocerca flavofasciata* (De Geer 1773) in Trinidad (Orthoptera: Acrididae). Bul. Ent. Res. 34: 291-310. Dec. 1943. Refs. 421 B87
- 10579 \*\*MELIS, ANTONIO. Realizzazioni sulla lotta contro le cavallette [*Doclostaurus maroccanus*] in Sardegna. Agr. Sarda 21: 138-143. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 11M. Jan. 1943. 464.8 In8
- 10580 \*\*OBRAZENCU, GR. Combaterea unui dusman vegetal al pășunilor și fânețelor (*Alectorolophus*). Agr. Nouă 9: 294-299. 1942.  
Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 17: 28M. Feb. 1943. 464.8 In8
- 10581 OGLOBLIN, ALEJANDRO. Nota sinonímica sobre un presunto acridio Chileno. La Plata Univ. Nac. Mus. Notas. Zool. 8: 147-149. Aug. 4, 1943. 410 L31  
Synonymizes *Flamiruizia* Lieberman with *Anacridium* Uvarov and holotype *F. stuardi* with *A. aegyptium* (L.).
- 10582 PIRÁN, A. A. Contribución al conocimiento de los tettigonioides (Orthoptera: Tettigonioidae) de la mesopotamia argentina. I. Mus. de Entre Rios. Mem., No. 17, 8 p. 1942. 429 P66  
*Guaranina daguerrei* n. g. and n. sp., included.
- 10583 SIEGERS, S., COTT, J. Grasshopper scourge. Inter-American 3(2): 28-30. Feb. 1944. 280.8 In85  
With photographs of swarms in South America.
- 10584 SEIN, F., JR. Insectos dañinos a las hortalizas portorriqueñas. Hacienda 39: 24, 26. Jan. 1944. 6 H11  
Deals principally with *Scapteriscus vicinus*.
- 10585 SPAWN, G. B. Tillage control for grasshoppers. Dakota Farmer 64: 6-7. Jan. 8, 1944. 6 D14
- 10586 \*UVAROV, B. P. A revision of the group *Mesopsis* (Orthoptera, Acrididae). Mos 19: 69-78. Apr. 10, 1943.  
*Mesopsis tricoloratus* and *M. sudanicus*, n. spp.
- 10587 \*\*VOLKONSKY, M. Observations sur le comportement du criquet pèlerin (*Schistocerca gregaria* Forsk.) dans le Sahara algéro-nigérien. Inst. Pasteur Algérie. Arch. 20: 236-248. 1942.  
Abs. in Rev. Appl. Ent., A 31: 521-523. Dec. 1943. 421 R325
- 10588 \*\*VOLKONSKY, M. A., and VOLKONSKY, M. T. Une mission d'étude de la sauterelle pèlerine (*Schistocerca gregaria* Forsk.) dans le Sud algérien et le Soudan Français. Février-décembre 1941. (Cinquième rapport préliminaire.) Inst. Pasteur d'Algérie. Arch. 20: 102-114. 1942.  
Abs. in Rev. Appl. Ent., A 31: 424-425. Oct. 1943. 421 R325
- 10589 VOLKONSKY, M. T. Rearing locusts in captivity. Bul. Ent. Res. 34: 253-256. Dec. 1943. 421 B87  
*Anacridium*, spp.; *Schistocerca*, spp.; *Locusta migratoria*.
- 10590 WALKER, E. M. On the anatomy of *Grylloblatta campodeiformis* Walker. 4. Exoskeleton and musculature of the abdomen. Ent. Soc. Amer. Ann. 36: 681-706. Dec. 1943. 420 En82
- SERICULTURE AND THE SILKWORM
- 10591 DESNUELLE, PIERRE, and CHANG, C. T. Sur la protéine du virus de la grasserie du ver à soie [*Bombyx mori*]. II. Répartition du soufre et teneur en alanine. Inst. Pasteur [Paris]. Ann. 69: 248-250. July/Aug. 1943. 448.3 An75
- 10592 GARCIA, D. A. La simiente del gusano de seda [*Bombyx mori*], base del éxito en las crías. Diferentes métodos de obtención. Campo [Buenos Aires, 27(324): 38-42, 64. Oct. 1943. 9 C15
- 10593 HSUEH, T. Y., and others. Physiology of the silkworm. I-II. Physiol. Zool. 17(1): 71-82. Jan. 1944. 410 P56  
Contents: I. Growth and respiration of *Bombyx mori* during its entire life-cycle, by T. Y. Hsueh and P. S. Tang, p. 71-78; II. Mechanism of silk formation as revealed by X-ray analyses of the contents of the silk gland in *Bombyx mori*, by C. P. Ho, S. M. Shen, P. S. Tang, and S. H. Yü, p. 78-82.



- 10594 MURTHY, L. N. Refrigeration of multivoltine silkworm [*Bombyx mori*] eggs. Indian Farming 4: 143-145. Mar. 1943. 22 In283
- 10595 LA SERICULTURA y el cultivo de la morera. Campo y Arados 7(80): 16-17, 30. Oct. 1943. 9.9 C152
- 10596 VILHENA, MARIO. Condições essenciais para se ter êxito na criação do bicho da seda [*Bombyx mori*]. Ceres 4: 400-404. July/Aug. 1943. 9.2 C332

## SMALLER ORDERS

- 10597 \*\*AUSTRALIA. NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL. COMMITTEE ON THE SURVEY OF WAR MEDICINE. Diseases of the skin in wartime. Med. Jour. Austral. Sup. No. 20, p. 77-80. July 24, 1943.

Includes discussion of treatment for pediculosis among soldiers.

- Abs. in Squibb Abs. Bul. 16: A1548. Oct. 13, 1943. 396.8 Sq4

- 10598 CABLE, R. M. The Indian rat flea, *Xenopsylla cheopis*, in Indiana. Ind. Acad. Sci. Proc. (1942) 52: 201-202. 1943. 500 In2

- 10599 CALLAN, E. M. Natural enemies of the cacao thrips [*Selenothrips rubrocinctus*]. Bul. Ent. Res. 34: 313-321. Dec. 1943. 421 B87

- 10600 DENNING, DONALD. Case-building habits of some Minnesota Trichoptera. (Abs.) Minn. Acad. Sci. Proc. (1942) 10: 6. 500 M663

- 10601 FRASER, F. C. Lestes albofasciata: a new species of Odonata from Buru Island. Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 113-115. Aug. 24, 1943. 420 L84Pb

- 10602 FRASER, F. C. Notes on the genera *Agriogomphus* Selys and *Ischnogomphus* Williamson with the description of the male of *Agriogomphus sylvicola* Selys (Odonata). Roy. Ent. Soc. London. Proc. Ser. B: Taxonomy 12: 161-166. Dec. 30, 1943. 420 L84Pb

- 10603 HICKIN, N. E. Larvae of the British Trichoptera. 12-19. Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 66-83, 106-111. Sept. 15, Dec. 30, 1943. 420 L84Pa

Contents: 12. *Limnophilus lunatus*; 13. *Mystacides nigra*; 14. *Limnophilus vittatus*; 15. *Goëra pilosa*; 16. *Agapetus fuscipes*; 17. *Brachycentrus subnubilus*; 18. *Leptocerus aterrimus*; 19. *Setodes argentipunctella*

- 10604 JOYCE, C. R., and EDDY, G. W. A list of fleas (Siphonaptera) collected at Tama, Iowa. Iowa State Col. Jour. Sci. 18: 209-215. Jan. 1944. 470 Io9

- 10605 KIMMINS, D. E. A note on the caddis fly, *Mystrophora intermedia* Klapalek (Trichoptera). Roy. Ent. Soc. London. Proc. Ser. A: Gen. Ent. 18: 96-98. Dec. 30, 1943. 420 L84Pa

- 10606 MELLANBY, KENNETH. The incidence of head lice [*Pediculus humanus humanus*] in England after four years of war. Med. Off. 70: 205-206. Dec. 25, 1943. 448.8 M462

- 10607 METHYL bromide goes on a mighty mission. Pests 12(1): 11-12. Jan. 1944. 449.8 Ex8

Army delousing methods.

- 10608 MOOSER, H. How to fight exanthematic typhus and relapsing fever. League Red Cross Soc. Bul. 23(1/3): 14-16. Jan./Mar. 1942. U. S. Dept. Labor Libr.

Discusses control measures for lice.

- 10609 \*\*PONCET, A. Étude expérimentale comparée de l'action répulsive ou mortelle pour le pou [*Pediculus humanus*] de certaines substances. Inst. Pasteur d'Algérie. Arch. 20: 213-217. 1942.

Most effective materials tested: oil of eucalyptus, oil of lavender, methyl salicylate.--Abs. in Rev. Appl. Ent., B 31: 244. Dec. 1943. 421 R325B

- 10610 PRINCE, F. M. Descriptions of three new species of *Thrassis* Jordan [*T. setosis*, *T. aridis*, *T. campestris*] and the females of *T. bacchi* (Roths.) and *T. pansus* (Jordan). Pan-Pacific Ent. 20: 13-19. Jan. 1944. 421 P193

- 10611 ROSENBERGER, A. C. Cattle lice. Control 'em or take a loss. West. Livestock Jour. 22(12): Jan. 15, 1944. 6 F2278

- 10612 ROSENBERGER, A. C. Cattle lice cause economic losses. Calif. Cult. 90: 669. Dec. 25, 1943. 6 C12

Reprinted in part in Mulaid News 21(9): 15. Dec. 1943. 47.8 N917

- 10613 ROSS, E. S. A revision of the Embioptera, or web-spinners, of the New World. U. S. Natl. Mus. Proc. 94: 401-504. 1944. 500 Sm65P

New spp. in: *Calamoclostes*; *Microembia*, n. g.; *Neorhagadochir*, n. g.; *Pararhagadochir* 4; *Saussurembia*; *Mesembia*; *Schizembia*, n. g. 3; *Chelicerca* 2; *Idioembia*, n. g.; *Oligembia* 17.

- 10614 \*\*SAVINO, E., and RIESEL, M. A. Casos de peste en la provincia de Jujuy. Argentina. Dept. Nac. de Hig. Bol. Sanit. 6: 375-389. 1942.

Fleas collected in plague area included *Xenopsylla cheopis*, *Phthalopsyllus byturus*.

- Abs. in Rev. Appl. Ent., B 31: 213. Nov. 1943. 421 R325B

- 10615 STAFFORD, F. S. Those lousy lice again. Ind. State Bd. Health, Monthly Bul. 47: 280. Dec. 1943. 449.7 In2M

- 10616 WATKINS, T. C. Damage by the ever-present onion thrips [*Thrips tabaci*] can be controlled. Farm Res. [N. Y. State Sta.] 10(1): 15. Jan. 1, 1944. 100 N48A

- 10617 WHITEHEAD, W. E. How are we to control cattle lice this winter? Macdonald Col. Jour. 4(4): 7. Dec. 1943. 101 M144

- 10618 WIGODZINSKY, P. Sobre una nueva especie de *Eutrichocampa* Silvestri, 1901 [*E. birabeni*]. (Campodeidae, Diplura). La Plata Univ. Nac. Mus. Notas. Zool. 8: 141-145. July 24, 1943. 410 L31

- 10619 WYGODZINSKY, PETR. Sobre um novo gênero e uma nova espécie da subfamília "Nicoletinae" (Lepismatidae, Thysanura) do Estado de Pernambuco (Brasil). Rev. Brasil. de Biol. 3: 351-353. Sept. 1943. 442.8 R326

*Atelurina pernambucensis* n. g. and n. sp.

- 10620 \*ZUMPT, F. Lausex, ein neues mittel gegen körperungeziefer. Desinfekt. u. Schädlingsbekämpf. 35: 7-8. Jan. 1943.

## AGRICULTURAL ENGINEERING

## GENERAL

- 10621 ANDERSON, J. E. Cooling wet wheat with warm air. Northwest. Miller, Milling Prod. Sect. 215(2): 13a, 19a. Jan. 12, 1944. 298.8 N81

- 10622 BROWNLEE, B. O. Weights and measures. Iowa State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 31-35. Des Moines, 1943. 2 Io9R

Testing of scales in the dairy industry.

- 10623 BRUNK, M. E. Getting farm jobs done despite scarce labor. Fla. Grower 52(1): 6, 8. Jan. 1944. 80 F6622

Practical use of labor and machines.

- 10624 GIESE, HENRY. The Iowa rural fire prevention program. Agr. Engin. 25: 19-20. Jan. 1944. 58.8 Ag83

- 10625 HASWELL, J. R. A fire prevention program. Agr. Engin. 25: 22. Jan. 1944. 58.8 Ag83



10626 HENDERSON, H.O. Place of the shop in the agricultural program. Agr. Ed. Mag. 16: 132. Jan. 1944. 275.8 Ag8

10627 KABLE, G.W. Winter use of fans. Elect. on the Farm 17(2): 17. Feb. 1944. 335.8 E127

10628 KEILHOLZ, F. J. Good-by, treadmill farming. Country Gent. 114(2): 12, 44-46. Feb. 1944. 6 C833

Efficient arrangement of structures and equipment.

10629 MYERS, J.W. Scheduling farm shop. Agr. Ed. Mag. 16: 132. Jan. 1944. 275.8 Ag8

10630 \*NAIATOV, F. Obespechim protivopozharnuiu bezopasnost' M.T.S. [Fire protection of the machine tractor station]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 48. May/June 1943.

10631 OOKA, HIROSHI. Classes in farm mechanics. Hawaii Farm and Home 7(1): 25. Jan. 1944. 25 H3191

10632 TURNILL, LEONARD. Standardise buckets. Poultry Farmer [London] 109(2843): 3. Dec. 17, 1943. 47.8 F312

#### FARM MACHINERY

##### General

10633 ANDRESEN, PAUL. Post-war foreign markets for farm machinery. U.S. Dept. Com. Foreign Com. Weekly 14(4): 3-4, 19. Jan. 22, 1944. 157.54 F763

10634 BEAR, L.K. Clinics for ailing shearing machines. Ohio Farmer 193(2): 10. Jan. 15, 1944. 6 Oh3

10635 BRAZIL. DEPARTAMENTO DE ENGENHARIA RURAL. Construção de estradas. Ceres 4: 237-242. Mar./Apr. 1943. 9.2 C332

10636 CLYDE, A.W. Mechanics of farm machinery. Part 2. Farm Impl. News 65(2): 26-27, 32. Jan. 20, 1944. 58.8 F22

10637 COZZENS, F.R. Keep machinery rolling through community shop. Prairie Farmer 116(2): 11. Jan. 22, 1944. 6 R883B

10638 CRAIN, C.E. A plan to exchange used farm equipment. Rural Electrification. Bul. 1(5): 26, processed Dec. 1943. 335.8 R883

10639 DAVIDSON, J.B. Down machinery row in 1944. Successful Farming 42(2): 20-21. Feb. 1944. 6 S12

10640 DODSON, G. M. Replacements. New England Homestead 117(1): 3. Jan. 8, 1944. 6 N442

When are replacements of supplies, machinery, and equipment used on the farm necessary?

10641 EARL OF RADNOR. Mechanisation problems. Country Life [London] 94: 952-953. Nov. 26, 1943. 80 C83

10642 GREGG, J.W. Raising rice by machinery. Hawaii Farm and Home 7(1): 8. Jan. 1944. 25 H3191

10643 \*GRIBANOV, I. P. Prostelskie vodopod' emnye prispособleniia [Simple water-raising equipment]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 45-47. May/June 1943.

10644 HAGAN, ALBERT. Machinery-ingenuity. Your Farm 2(4): 57-60. Feb. 1944. 6 Y8

10645 HAGEN, CECIL. "We'll grease places we never greased before." Wash. Farmer 69(3): 3, 23. Feb. 3, 1944. 6 R151

Lubrication of farm equipment.

10646 LEBRUN, E.J. How to make farm machinery last. Better Rural Life 5(1): 3. Jan. 1944. 275.29 R34B

10647 \*LISTOV, P. N. Elektrosvarka s posmochch'iu asinkhronnykh elektrodvigatelei s korotkozamknutym rotorom [Electric welding]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 20-24. Jan./Feb. 1943.

10648 MCCAFFREY, J. L. Future developments in the farm machinery industry. Machinery [New York] 50: 152-153. Jan. 1944. 297.8 M18

10649 \*NIKITIN, N. D. Pravil'noi organizatsiei tekhnicheskikh ukhodov i khraneniia mashin izzhivem pereraskhod na remonte [By efficiently organizing the technical care and maintenance of machines, we shall rid ourselves of expensive repairs]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 32-34. May/June 1943.

10650 PEARCE, A.K. Those pruning tools. Pacific Rural Press [North. Ed.] 147: 44. Jan. 22, 1944. 6 P112

10651 SOBRERO, L.R. Lubricantes para maquinas agricolas. Campo [Buenos Aires] 28(325): 20. Nov. 1943. 9 C15

10652 \*STEPANOV, M. Agregatirovanie sel'sko-khoziaistvennykh mashin i orudii na vesennikh polevykh rabotakh [The aggregation of farm machinery and agricultural implements for spring work in the fields]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 19-23. Mar. 1943.

10653 THOMPSON, A.C. Saving labor with machinery. N.J. Farm and Garden 15(2): 12-13. Feb. 1944. 6 G162

10654 TIGRE, H.B. Como aumentar a duracao das maquinas agricolas. (Concl.) Chacaras e Quintais 68: 355-357. Sept. 15, 1943. 9.2 C34

10655 \*VAINER, M. Zagotovka drevesnogo topliva dlia gazogeneratornykh mashin [Preparation of logs for heating the gas generating machines]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2(12): 44-47. 1942.

10656 YERKES, A.P. Farm machinery for chemurgic crops. Chemurg. Digest 3(1): 20. Jan. 15, 1944. 381 N213Na

##### Tillage Machinery

10657 BENTLEY, M.R. Check planting equipment. South. Agr. 74(2): 13. Feb. 1944. 6 So83

10658 \*GOLOVNYKH, V. Lemkhi i otvaly plugov iz chuguna [Cast iron plowshares and mold plows]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 39-40. Mar. 1943.

10659 HAUGEN, ØIVIND. Undersökningar över redskap för potatisodling [Investigations concerning all-round implements for potato cultivation]. Kungl. Lantbruksakad. Tidskr. No. 1 1/2, Special häfte 6, 43 p. Stockholm, 1943. 104 Sw3  
English summary.

10660 HOFF, P.R. Adjusting the tractor plow. Amer. Agr. 41(3): 6-7. Feb. 5, 1944. 6 Am3

10661 \*NIKOFOROV, P. M. Konnyi visiachi plug s dereviannym griadilem [A horse-drawn wooden hanging plow]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhemesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 41-48. Jan./Feb. 1943.

10662 NORTON, R.A., COLLINS, E.V., and BROWNING, G.M. Present status of the plow as a tillage implement. Agr. Engin. 25: 7-10. Jan. 1944. 58.8 Ag83

##### Planting Machines and Fertilizer Distributors

10663 HIGGINS, F.H. Wanted: beet planter. Impl. Rec. 41(1): 17-18. Jan. 1944. 58.8 Im73

10664 LEHMANN, E.W. How to check and adjust seed drills. Pop. Sci. Monthly 144(3): 162-164. Mar. 1944. 470 P81

##### Harvesting, Threshing, Drying, and Processing Equipment

10665 HEAVENS, E.A. Cabinet dehydraters suited to small-scale operations. Part II. Food Indus. 16(2): 90-92, 134. Feb. 1944. 389.8 F737



- 10666 THE BEET lifter proves itself. Practical experience with fifteen new machines under a wide variation of conditions in Shropshire has shown what the Catchpole harvester can do. *Farmers Weekly* [London] 20(3): 31. Jan. 21, 1944. 24 F225
- 10667 \*BORDACHEV, P. M., and VIKTOROV, D. V. Za vysokuiu proizvoditel'nost' mashin na uborke [For greater machine productivity in harvesting]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. *Ezhemeslachnyi proizvodstvenno-tekh. zhur. MTS.* 3 (5/6): 3-8. May/June 1943.
- 10668 BRUECKNER, H.J., and PRINGLE, H.S. Care of milking machines. *Hoard's Dairyman* 89: 59. Jan. 25, 1944. 44.8 H65
- 10669 CALVERT, G.C. What about machinery and supplies in 1944? *Natl. Butter and Cheese Jour.* 35(2): 14-15, 52-54. Feb. 1944. 286.85 B98Bu
- Also with title "Machinery and supply situation" in *Creamery Jour.* 55(2): 8, 31. Feb. 1944. 44.8 C86
- 10670 CAMERON BROWN, C.A. Electric farm grinding. Significance of a new development. *Elect. Times* 104: 772-773. Dec. 30, 1943. 335.8 E126
- 10671 COMBINE harvesting and grain drying. *Miller* 69: 812-813. Dec. 6, 1943. 298.8 M61
- 10672 CONSIDER your ice cream cabinets...presents this exclusive survey of the Institute of Ice Cream Opinion. *Ice Cream Field* 43(1): 24-25, 36. Jan. 1944. 389.8 Ic23
- 10673 COOPER, J.H. A power-lift buck rake. *Macdonald Col. Jour.* 4(5): 13-14. Jan. 1944. 101 M144
- 10674 DREWS, H.E. How's your egg-quipment? *U.S. Egg & Poultry Mag.* 50: 60-62. Feb. 1944. 286.85 Eg3
- 10675 DU SANTOY, W. Home-made citrus and tomato grader and sizer. *Farmer's Weekly* [Bloemfontein] 66: 555. Dec. 8, 1943. 24 F225
- 10676 FRUIT-packing firm signals its choice of refrigeration over dehydration in equipping processing plant. *Air Conditioning & Refrig. News* 41(5):21. Jan. 31, 1944. 295.8 E12
- Freezing equipment is described.
- 10677 FUNKE, A.H., and BLIZARD, J.R. How glass piping is used in food processing plants. *Food Indus.* 16(2): 77-79. Feb. 1944. 389.8 F737
- 10678 GOLDSTEIN, MORTON. The roto-louvre dryer as a sugar granulator. *Internatl. Sugar Jour.* 46 (541): 12-14. Jan. 1944. 65.8 In8
- 10679 GRAY, C. E. Spray and roll drying methods and equipment. *Inst. Food Technol. Proc.* 1943: 52-57. 389.9 In7
- 10680 HAGEN, CECIL. Build yourself a "Corri-gan." *Wash. Farmer* 69, 1. e. 79(2): 3. Jan. 20, 1944. 6 R151
- 10681 HAMILTON, R.G. Grading tables and packing bins for vegetables. *New Zeal. Dept. Agr. Bul.* 194, 3 p. Wellington, 1943. 23 N48Bu
- Reprinted from *New Zeal. Jour. Agr.* 67: 403-405. Dec. 1943. 23 N48J
- 10682 HIGGINS, F.H. Beet machine goal in sight. *Sugar Jour.* 6(7): 5-6, 10, 19-20. Dec. 1943. 65.8 Su391
- 10683 HUNTER, H. O. C. Setting the binder for short-strawed crops. *East African Agr. Jour.* 9: 97. Oct. 1943. 24 Ea74
- 10684 \*KARAULOV, N. A. Obmolot'khlebov siloi vody [Grain threshing by water power]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. *Ezhemeslachnyi proizvodstvenno-tekh. zhur. MTS.* 3(3): 45-49. Mar. 1943.
- 10685 KERR, J.M. Care of milking machines. *Austral. Milk and Dairy Prod. Jour.* 10(12): 23-25. Dec. 1943. 44.8 Au72
- 10686 KRANICK, FRANK. Forage harvesters. *Implement and Tractor* 59(3): 20-22. Jan. 29, 1944. 58.8 W41
- 10687 LAPAGE, G. Cleansing of milk bottles. *Nature* [London] 153: 31-32. Jan. 1, 1944. 472 N21
- 10688 LEES, A.B. One man: 23 loads an hour. *Farmer and Stock Breeder* 58: 69. Jan. 11, 1944. 10 F228
- 10689 \*LEONOV, P.T. Dereviannye podshipniki dlia kombainov [Wooden bearings for combines]. U.S.S.R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. *Ezhemeslachnyi proizvodstvenno-tekh. zhur. MTS.* 2, 1. e. 3(1/2): 29-31. Jan./Feb. 1943.
- 10690 LORENZEN, COBY, JR., and MOSES, B.D. Sacked-grain dehydrators. *Rice Jour.* 47(1): 17-18, 20-21, 23. Jan. 1944. 59.8 R36
- 10691 LOUNSBURY, T.F., and HUGHES, C.E. Milk-ing on the double-quick. *Successful Farming* 42(2): 94, 96-97. Feb. 1944. 6 Su12
- 10692 MCCREERY, N.R. Cotton machinery comes north. *Sugar Jour.* 6(7): 9-10. Dec. 1943. 65.8 Su391
- 10693 MCCREERY, N.R. Mechanization marches on. *Through the Leaves* 31(6):6-12. Nov/Dec. 1943. 66.8 T41
- 10694 MELHUISE, V. P. Fieldman's care of can washer. *Milk Plant Monthly* 33(1): 27-31. Jan. 1944. 44.8 C864
- 10695 NELSON, HERBERT. Four out of five have them. *Skagit Co-op. Dairyman* 21(5): 5, 16. Jan. 1944. 280.28 Sk1
- Bacteria control in milking machines by steriliza-tion.
- 10696 NEW ZEALAND, DEPT. OF AGRICULTURE. The cleaning of milking machines. *New Zeal. Jour. Agr.* 67: 393, 395-399. Dec. 15, 1943. 23 N48J
- 10697 OUTCALT, W.E. Supplementing manpower with machines. *Through the Leaves* 31(6): 23-24. Nov/Dec. 1943. 66.8 T41
- 10698 PALMER, J. H. Indoor curing for better hay. *Blood-Horse* 41: 248-252. Feb. 5, 1944. 42.8 T392
- Recent development of an artificial dryer.
- 10699 \*PONOMAREV, V. A. Kak ochistit' zerno ot ovsia [Method of cleaning grain seeds]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. *Ezhemeslachnyi proizvodstvenno-tekh. zhur. MTS.* 3(3): 43-44. Mar. 1943.
- Equipment for cleaning grain seeds.
- 10700 SALTER, W.O. Combine-drier harvesting in the Southern States. *Rice Jour.* 47(1): 5-6, 19-20. Jan. 1944. 59.8 R36
- 10701 SCHAFER, VICTOR. New binders for old. *Farmer and Stock-Breeder* 57: 2028. Dec. 28, 1943. 10 F228
- 10702 SHEPHERD, T.L. Simple grain loader. *Sashatchewan Farmer* 35(1): 12. Jan. 3, 1944. 7 Sa74
- 10703 \*SHLYKOV, M. I. Bezmotornye kombainy na uborke [Motorless combines for harvesting]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. *Ezhemeslachnyi proizvodstvenno-tekh. zhur. MTS.* 3 (5/6): 24-27. May/June 1943.
- 10704 SLADE, F. H. Mechanical handling equip-ment. (To be cont.) *Food Manufacture* 19(1): 5-9. Jan. 1944. 389.8 F736
- 10705 SMITH, H.P. The green leaf problem in mechanical harvesting. *Farm and Ranch* 63(1): 8-9. Jan. 1944. 6 F31
- 10706 STINSON, W.S. More dairy equipment assured for 1944. *West. Livestock Jour.* 22(12): 120-121. Jan. 15, 1944. 6 F2278
- 10707 THOUSANDS more British binders for the 1944 harvest. *Farm Impl. and Mach. Rev.* 69: 727-729. Jan. 1, 1944. 58.8 In72
- Details of a new official home production scheme.
- 10708 VAN ARSDEL, W. B. Tray and tunnel drying methods and equipment. *Inst. Food Technol. Proc.* 1943: 45-51. 389.9 In7



10709 \*VOSTROKNUTOV, S. P. Polnost'iu ispol' zovat' uborochnye mashiny i prispособleniia k nim na uborke [A thorough utilization of harvesting machines and their attachments]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 11-24. May/June 1943.

10710 WALKER, H.J. Prospects for dairy machinery replacements. Calif. Dairyman 23(23): 24-25, 28-29. Dec. 25, 1943. 44.8 C12

10711 WHEAT drying. All-electric handling at Ministry of Food silos. Elect. Rev. 133: 867-870. Dec. 31, 1943. 335.8 E122

Discussion of equipment.

10712 WINTER, J.D., and HUSTRULID, ANDREW. How to use a home freezing cabinet. Rural Electrification. Bul. 1(5): 13-15, processed. Dec. 1943. 335.8 R883

10713 YOURGA, FRANK. New methods devised to solve glass-pack problems. Food Indus. 16(2): 94-96 Feb. 1944. 389.8 F737

Retorts equipped with automatic controls, measure headspace pressure and determine vacuum in all-glass jars.

10714 \*ZHUK, I.A. Valkoobpazovatel' konnym senokosilkam [A stacker for horse-drawn mowing machines]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 27-28. May/June 1943.

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

10715 \*BARANOV, G. Iz opyta restavratsii detalei [From the experience of repairing parts]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 42. Mar. 1943.

The impossibility of getting new parts for tractors has brought about the repair of old parts such as: plugs for valves, brass pipes of radiators, and a welding apparatus.

10716 BAUMAN, J.N. Some suggestions for keeping those trucks rolling. Ice Cream Rev. 27(6): 21-22, 55. Jan. 1944. 389.8 In22

10717 \*BONDARENKO, A. Remont manometra traktora "CHTZ-3-65" [Repair of the manometer of the tractor "CHTZ-365"]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 27-28. Jan./Feb. 1943.

10718 \*BONDARENKO, A. Remont roliko-konicheskikh i tsilindricheskikh podshipnikov [Repair of bearings]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 25-27. Jan./Feb. 1943.

10719 \*CHERKASOV, M. Poplavki k karburatoru iz mestnykh materialov [Cork floats for the carburetor from local materials]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 24-25. Jan./Feb. 1943.

10720 \*CHUNIKHIN, V. M. Pravil'naiia organizatsiia truda obespechivaet uspeshnoe provedenie osennego remonta [A sound distribution of labor assures a successful accomplishment of autumn-winter repairs]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2(12): 16-20. 1942.

10721 GRADDOCK, T.H. Frost damage to engines cannot be prevented by radiator drainage only. Farmers Weekly [London] 19(26): 32. Dec. 23, 1943. 10 F2226

10722 CRONJE, THOMAS. Prolonging life of motor vehicles. Union So. Africa. Dept. Agr. and Forestry Publicity Ser. 196, 2 p. Pretoria, 1943. 24 So82p

10723 \*ERMAKOV, G. I.A. Eksploatatsiia avtomashin [Use of automobiles]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 32-36. Jan./Feb. 1943.

10724 \*FESSENKO, A., and GOLOVNYKH, V. Kak MTS dobilas' uspekhnov na remonte traktorov [How a machine-tractor station achieved success in repairing tractors]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2(12): 42-43. 1942.

10725 \*FROLOV, L. Remont gazogeneratorykh ustanovok traktorov SKHTZ-T2G i CHTZ SG-65 [Repair of the gas generator mountings of the tractors SKHTZ-T2G and CHTZ SG-65]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2(12): 20-25. 1942.

10726 \*FROLOV, L. M. Perevod traktorov na gazogeneratornoe toplivo [Change of tractors to gas generating fuel]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 28-29. Mar. 1943.

10727 \*GARMASH, D. Kak my dobilis' pervenstva v sorevnovanii [How we came out first in the contest]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 9-11. Mar. 1943.

The women brigade of the Rybnovskaia machine-tractor station came out first in the socialistic contest of women tractor brigades. Reasons for achieving success.

10728 \*GOLOLAKOV, G. A. Prosteishie sposoby restavratsii traktornykh detalei [Simplest methods of repairing tractor parts]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2(12): 33-35. 1942.

10729 \*GREBENNIKOV, A. Restavratsiia serdtsevinnykh radiatorov na baze elektroenergii [Repair of radiator by electricity]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 37-39. Mar. 1943.

10730 \*GUROV, S. V. Uzlovol' metod remonta [An efficient method of repair]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 10-14. Jan./Feb. 1943.

Specialization of workers in classified repair operations on tractors.

10731 HILES, J., and MOTT, R.A. Fuel. Soc. Chem. Indus. Ann. Rpt. (1942) 27: 26-47. 1943. 382 M31R

10732 HOFF, P. R. Keep moisture out of the tractor motor in winter. N. Y., Dutchess County Farm Bur. News 26(7): 8. Jan. 1944. 275.293 N. Y., Dutchess Co.

10733 JONES, F. R. Overhauling the farm tractor. Prog. Farmer, Tex. Ed. 59(2): 25. Feb. 1944. 6 T311

10734 \*KIRIUKHIN, A. Vosstanovlenie toplivnikov gazogeneratorykh traktorov [Repair of heaters of gas generating tractors]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 35-38. May/June 1943.

10735 \*KOCHETKOVA, A. V bor'be za pervenstvo [Contest for improvement in production]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 8-10. May/June 1943.

A thorough knowledge of the tractor and its mechanism brought victory to Mrs. Kochetkova in the contest of socialist competition.



10736 \*KRAINOV, V. I. Kak proverit' i pravil'no ustanovit' gazoraspredelenie v motorakh traktorov i kombainov [How to test and accurately determine the gas distribution in the motors of tractors and combines]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 38-41. Jan./Feb. 1943.

10737 \*KRASNOV, A. P. O dopolnitel'noy oplate truda traktoristov MTS [Additional pay for tractor operators at the machine tractor station]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 29-32. May/June 1943.

10738 \*KUZNETSOV, N. T. Kak dolzhen byt' ukhod za sistemoy okhlazhdeniya traktora [What should be the method of cooling the tractor]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 41. May/June 1943.

10739 \*KVASHNIN, A. Nash opyt organizatsii remonta traktorov [Our experiment of organizing tractor repairs]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 14-15. Jan./Feb. 1943.

The Gavrilovo-Posadskaya machine-tractor station has 140 tractors and many other machines. Their socialistic method of organizing the repair work helped them to finish their work on time.

10740 \*LARIOSHIN, F. N. Ratsionalizatsiya proizvodstva [Rationalization of production]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2(12): 36-40. 1942.

Inventions and suggestions for improvements in tractor machinery for increasing agricultural production.

10741 LITTERICK, J. C. A good buy for a careful buyer. Second-hand crawler tractors are expensive but well worth the money if selected with care. Farmers Weekly [London] 20(2): 29. Jan. 14, 1944. 24 F225

10742 MARELLI, C. A. De la gasificación de un combustible solido incandescente, se consigue una mezcla de aire-gas que reemplaza bien a la de aire-nafta pulverizada. Campo [Buenos Aires] 28(325): 52-54. Nov. 1943. 9 C15

10743 MAY, JOHN. Tricks of the trade. Some practical hints on tractor maintenance gleaned after a theoretical lecture. Farmers Weekly [London] 20(2): 30. Jan. 14, 1944. 24 F225

10744 \*MOZO, A. N., BAULINA, \_\_\_\_\_, and USHAKOVA, T. N. Ratsionalizatsionnye predlozheniya rabotnikov MTS Moskovskoy oblasti [Constructive suggestions of the workers in the machine tractor station in the Moscow district]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(5/6): 38-40. May/June 1943.

10745 \*MURINETS, A. Iz opyta Barrikadnoy MTS. [From the experience of the Barrikadnaya machine-tractor station]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 13-16. Mar. 1943.

Training of farm workers by the Government's political division.

10746 \*OLENIN, A. Rabota gazogeneratorsnykh traktorov na torfe [Work of gas generating tractors on peat]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 29-31. Mar. 1943.

10747 OWEN, W. L. Motor fuel from molasses. VII. Sugar 39(1): 22-24. Jan. 1944. 65.8 F11

10748 \*PERCHIKHIN, A. Prispособleniya dlya karburators traktorov "CHTZ-S-60" i "STZ - NATI" pri rabote na nizkikh sortakh topliva [Tractor carburetors of "CHTZ-S-60" and "STZ - NATI" models using low-grade fuel]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 33-37. Mar. 1943.

10749 \*PERCHIKHIN, A. V. Opyt raboty Bol'she-Rakovskoy MTS [Experimental work of the Bol'she-Rakovskaya machine-tractor station]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2(12): 3-15. 1942.

10750 \*PETUKHOV, I. Za proizvoditel'noe ispol'zovanie gazageneratorsnykh traktorov [For the utilization of gas generating tractors in production]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 1-6. Jan./Feb. 1943.

10751 \*POPONIN, F. Mestnye rezervy pushcheny v khod [Local reserves are (being) utilized]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 15. Jan./Feb. 1943.

Viatsko-Polianskaya machine-tractor station was first in accomplishing its work. In repairing their tractors they utilized old parts as well as new ones made out of scrap.

10752 ROBERTSON, R. A. Portable motor speed changer. Elect. on the Farm 17(2): 16-17. Feb. 1944. 335.8 E127

10753 ROGERS, R. H. What makes an electric motor run? Ice Cream Rev. 27(6): 24, 26, 50. Jan. 1944. 389.8 In22

10754 "ROTOR." Overheating of motors: some possible causes. Elect. Rev. 133: 875-878. Dec. 31, 1943. 335.8 E122

10755 \*RYBNIKOV, G. Peredvizhnaya gazogeneratorsnaya ustanovka dlya dvigatelei 3-15 e. s. [Movable gas generating equipment]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 31-33. Mar. 1943.

10756 \*SABODA, V. M. Radiatory iz chernykh metallov [Radiators from black metals]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2, 1. e. 3(1/2): 16-19. Jan./Feb. 1943.

Use of materials in tractor radiator construction.

10757 \*SABODA, V. M. Restavratsiya kolenchatykh valov traktorov SKHTZ [The repair of crankshafts of tractors SKHTZ]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2(12): 26-28. 1942.

10758 \*SANKOV, I. Zametki o rabote politotdelov s molodymi kadrami [Notes on the work of the political units with the young trainees (on the farm)]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 16-19. Mar. 1943.

10759 SEUBERT, W. H. A practical trailer for tree experts. Arborist's News 9(1): 1-2. Jan. 1944. 99.8 Ar14

10760 \*SOKOLOV, A. O szhizhennykh gazakh [About synthetic gases]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 3(3): 25-27. Mar. 1943.

Butane (40-60 o/o) and propane (60-40 o/o) are mixed.

10761 \*STAVTSEVA. Nash opyt remonta traktornykh detalей [Our experience of repairing tractor parts]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2(12): 30-33. 1942.

10762 \*SUZDAL'TSEV, I. Zamena zubchatogo i shlitsevoego soedineniya v promezhutochnoy peredache traktora SKHTZ [Replacement of connections in the transmission of tractor SKHTZ]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezheмесяchnyy proizvodstvenno-tekhn. zhur. MTS. 2(12): 29-30. 1942.

10763 TAYLOR, L. H. Storage of recappable and repairable truck tires. East. Dealer 37(11): 20. Jan. 1944. 58.8 Ea7



10764 \*TIKHOMIROV, V. Traktory - na polnuu moshchnost' [Tractors - on full power]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 23-24. Mar. 1943.

By economizing fuel, it will be possible to keep tractors working at full speed.

10765 U.S. WAR PRODUCTION BOARD. Electric motor controllers. Fed. Register 9: 662-663. Jan. 18, 1944. 169 F31

General Conservation Order L-250, as amended Jan. 15, 1944.

10766 \*VASILENKO, I. MTS-organizator kol-khoznogo proizvodstva [MTS-organizer of collective farm production]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 2, i. e. 3(1/2): 7-10. Jan./Feb. 1943.

10767 \*VOLIK, M. Traktor "Universal" na aluminievyykh porshniakh [Tractor with aluminum pistons]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(4): 48. Apr. 1943.

10768 \*ZOIAN, G. Grafik - zakon proizvodstva [Graphs - law of production]. U. S. S. R. Narod. Komis. Zeml. Selsk. Khoz. SSSR. Ezhe mesiachnyi proizvodstvenno-tekhn. zhur. MTS. 3(3): 11-12. Mar. 1943.

Graphs are of greatest importance in production since work is planned. Work was not stopped due to lack of parts, for new parts have been produced by the local engineers from old materials.

#### FARM STRUCTURES

##### General

10769 \*CALL the wagon. Amer. Lumberman 3274: 23-25. Jan. 22, 1944. 99.81 Am3

Plan for fabricating and repairing farm structures.

10770 EKELAW, K. J. T. Teaching repair and maintenance of farm buildings in vocational agriculture schools. Agr. Engin. 25: 18, 20. Jan. 1944. 58.8 Ag83

10771 FOLLIN, J.W. Meeting the cost of farm buildings. Calif. Cult. 91: 3, 10. Jan. 8, 1944. 6 C12

10772 HAMILTON, C. L. The 1944 farm building goals. Agr. Engin. 25: 17, 20. Jan. 1944. 58.8 Ag83

10773 SIMONS, J.W. Wartime problems in farm building construction. Agr. Engin. 25: 13-14, 16. Jan. 1944. 58.8 Ag83

10774 SOLD 1320 prefab farm buildings in six months' time. Amer. Builder and Bldg. Age 66(1): 66-67, 86-87. Jan. 1944. 296.8 Am3

10775 TURNER, A.W. Farm building repair: a challenge to action. Agr. Engin. 25: 11-12, 16. Jan. 1944. 58.8 Ag83

##### Farmhouses

10776 HUNT, W.J. Housing your farm help. Successful Farming 42(2): 101. Feb. 1944. 6 Sul2

10777 RICHARDSON, A.E. The rural housing problem. The possibilities of pre-fabricated dominion timber. Country Life [London] 94: 898-900. Nov. 19, 1943. 80 C83

##### Service Buildings

10778 ALLEN, M. H. Clay tile used in construction of hay mow floors and hay keepers. Miss. Val. Lumberman 75(4): 13-16. Jan. 28, 1944. 99.81 M69

10779 BROADBENT, V.V. Whole floor their playground. Poultry Farmer [London] 109(2841): 7. Dec. 3, 1943. 47.8 F312

10780 CHICK brooders you can make. Includes both electric and kerosene-heated types, each having a capacity of housing 200 chicks comfortably. Pop. Mechanics Mag. 81(3): 123-125. Mar. 1944. 291.8 F81

10781 CLARK, H.E. Housing all-important for getting profits from pigs. New Zeal. Dairy Exporter 19(2): 14-15. Oct. 1, 1943. 44.8 N484

10782 CURTIS, HUGH. We've found a one-man dairy barn. Successful Farming 42(2): 25, 104-106. Feb. 1944. 6 Sul2

10783 DOMINY, J.N. Housing the bull. Dairy Farmer [London] 17(1): 15. Jan. 1944. 44.8 D1414

10784 FLOREA, J.H. Getting ready for chicks. Have houses and equipment prepared for each brood. Poultry Tribune 50(2): 12. Feb. 1944. 47.8 P8642

10785 FOSTER, G.H. More pork with less feed. Rural Electr. News 9(5): 6. Jan. 1944. 173.2 R88Ru

Swine brooders.

10786 HEPBURN, E. A. Septic tanks for dairy farms. Victoria Dept. Agr. Jour. 41: 590-595. Dec. 1943. 23 V66J

10787 HOLROYD, J.K. Way to increase housing space. Poultry Farmer [London] 109(2843): 7. Dec. 17, 1943. 47.8 F312

10788 HOW TO build a smoke house. Quick Frozen Foods 6(6): 48-49. Jan. 1944. 389.8 C4

10789 HUNT, W.J. Handy waterer. Successful Farming 42(2): 34. Feb. 1944. 6 Sul2

For poultry.

10790 KABLE, G.W. Electric brooders in pig management or more "rooters" for our side. Elect. on the Farm 17(1): 7-9. Jan. 1944. 335.8 E127

10791 KAUFFMAN, H.H. Casilla de cria de tipo economico. Mundo Avicola 6(70): 12-13, 49. Dec. 1943. 47.8 M92

10792 LAFORTUNE, J. G. Hygiène des écuries. Forêt Québécoise 7: 11. Jan. 1944. 99.8 F79

Dry, well ventilated stables for lumber camps.

10793 LANGE, H.K. Second largest poultry house in Minnesota completed. Miss. Val. Lumberman 75(2): 62, 64. Jan. 14, 1944. 99.81 M69

10794 MOORE, A.C. Domestic keeps poultry on wheels. Poultry Farmer [London] 109(2841): 6. Dec. 3, 1943. 47.8 F312

10795 MOORE, A. C. Prepare for the 1944 chicken season. Poultry [London] 93: 356. Dec. 7, 1943. 47.8 P869

Renovate the incubator and its equipment.

10796 MOORE, A.C. Solid floors are best for winter eggs. Poultry [London] 93: 404. Dec. 28, 1943. 47.8 P869

10797 MORROW, K.S. Eleven years experience with a pen-type barn. Hoard's Dairyman 89: 38, 41. Jan. 25, 1944. 44.8 H65

10798 MURAKOSHI, D.M. A mosquito-proof brooder. Hawaii Farm and Home 7(1): 20-21. Jan. 1944. 25 H3191

10799 NEUERBURG, GEORGE. Numerous types of housing for pigeons. All-Pets Mag. 15(8): 52-53. Jan. 1944. 48.8 A15

10800 OSGOOD, GARDNER. Brooder house ventilation. Checkerboard News 6(1): 8-9. Jan./Feb. 1944. 389.78 C41

10801 PAINE, E.A. Corrugated or sack shelters. Poultry Farmer [London] 109(2844): 6. Dec. 24, 1943. 47.8 F312

10802 PARKER, E. S. Goat housing. Plans and detail. (To be cont.) Amer. Dairy Goat News 5(7): 2, 4. Jan. 1944. 40.18 Am34

10803 PEN-TYPE vs. stall-type barns. Report on two-year study by Wisconsin investigators. Holstein Friesian World 41(2): 55, 63. Jan. 15, 1944. 43.8 H742



- 10804 PUGET SOUND POWER & LIGHT CO. A brooder from available materials. Elect. West 92(1): 80. Jan. 1944. 335.8 J82
- 10805 SANCTUARY, W.C. Hidden problems of ventilation. Amer. Poultry Jour. 75(2): 8, 21-23. Feb. 1944. 47.8 Am32
- 10806 SOUTHWORTH, W.A. Salvage material uses are many in rabbitry. Small Stock Mag. 28(1): 13. Jan. 1944. 48.8 P442
- 10807 TURNILL, LEONARD. Chick packing bench. (To be cont'd.) Poultry Farmer [London] 109(2842): 3. Dec. 10, 1943. 47.8 F312
- 10808 TURNILL, LEONARD. Incubator house fittings. Poultry Farmer [London] 109(2841): 3. Dec. 3, 1943. 47.8 F312
- 10809 24' X 24' COMBINATION roof laying house. Poultry Tribune 50(2): 16, 32-33. Feb. 1944. 47.8 P8642
- 10810 WHALEY, G. A. Duck baths. Poultry Farmer [London] 109(2841): 8-9. Dec. 3, 1943. 47.8 F312
- 10811 WITZEL, S.A. This successful central house has stood the test of hard use. Successful Farming 42(2): 24, 52. Feb. 1944. 6 Sul2
- Emergency constructed hog house.
- 10812 WORTHINGTON, JIM. Why crack your skull. Poultry Farmer [London] 109(2841): 8. Dec. 3, 1943. 47.8 F312
- 10813 ZIMMERN, ALFRED. The anatomy of wood - big factor in hutch sanitation. Small Stock Mag. 28(1): 7-8. Jan. 1944. 48.8 P442

#### Storage Structures

- 10814 AMERICAN CONCRETE INSTITUTE. Proposed recommended practice for the construction of concrete farm silos. Amer. Concrete Inst. Jour. 15: 189-204. Jan. 1944. 299.9 Am3J
- 10815 CARVER, WAYNE. Locker plants - yesterday, today, and tomorrow. Refrig. Engin. 47: 104-108. Feb. 1944. 295.9 Am32J
- 10816 CUSHMAN, C.G. A new type silo in South Carolina. South. Planter 105(2): 17. Feb. 1944. 6 So89
- 10817 HOME-GROWN wheat silo scheme. Home counties plant open. Miller 69: 813-815. Dec. 6, 1943. 298.8 M61
- 10818 MACHADO, M. Construção de silos subterrâneos. Ceres 4: 373-380. July/Aug. 1943. 9.2 C332
- 10819 PENNINGTON, M.E. Refrigerated warehousing of tomorrow. Refrig. Engin. 47: 101-102. Feb. 1944. 295.9 Am32J
- 10820 SCHNEIDER, FRED. Building a low-cost grain bin. Mont. Farmer 31(9): 5. Jan. 1, 1944. 6 M764
- 10821 TOLEDO EDISON COMPANY. Plans and specifications for farm-built ear-corn elevator. Rural Electrification. Bul. 1(5): 25, processed. Dec. 1943. 335.8 R883

#### Farm Utilities

- 10822 BARTON, H. F. Our efforts to help the farmer. Rural Electrification. Bul. 1(5): 27-28, processed. Dec. 1943. 335.8 R883
- 10823 BLAUSER, I.P. An electric water warmer for poultry. Ohio Farm Bur. News 23(6): 8. Jan. 1944. 6 Oh34
- 10824 COTTERELL, G. T. The problem of sewage disposal in rural areas. Roy. Sanit. Inst. Jour. 64: 19-31. Jan. 1944. 449.9 R812
- 10825 DISTRICT representatives do maintenance and repair work in rural areas. Rural Electrification. Bul. 1(5): 16-17, processed. Dec. 1943. 335.8 R883
- 10826 EASTER, E.C. Post-war planning for rural and farm electrification. Rural Electrification. Bul. 1(5): 18-20, processed. Dec. 1943. 335.8 R883

- 10827 GIST, R.H. Rural electrification after the war. W. Va. Farm News 22(10): 3, 11. Jan. 1944. 275.293 W. Va.
- 10828 GRAY, L.W. The development of the agricultural rural and farm load. Rural Electrification. Bul. 1(5): 7-10, processed. Dec. 1943. 335.8 R883
- 10829 HURLEY, JOHN. Sanitation and water purification. Soc. Chem. Indus. Ann. Rpt. (1942) 27: 465-492. 1943. 382 M31R
- 10830 JOHNS, M.M. Simple plumbing repairs. Elect. on the Farm 17(2): 11-12. Feb. 1944. 335.8 E127
- 10831 KIRCHER, W. H. Powered for war. Rural electric lines are helping farmers increase production despite labor shortage. Farmer 62(2): 1, 13. Jan. 15, 1944. 6 F2211
- 10832 LANDIS, B.Y. Churchmen look at rural electrification. Rural Electrification. News 9(5): 10, 17. Jan. 1944. 173.2 R88Ru
- 10833 LEATHAM, C.H. The present challenge of rural electrification. Rural Electrification. Bul. 1(5): 2-6, processed. Dec. 1943. 335.8 R883
- 10834 LEHMANN, E.W. New life for old heating systems. Successful Farming 42(2): 99. Feb. 1944. 6 Sul2
- 10835 MADDOX, H.C. Rural group meetings a wartime service. Rural Electrification. Bul. 1(5): 21-24, processed. Dec. 1943. 335.8 R883
- 10836 MAHAN, J.S. Concealed knob and tube wiring and open cleat wiring. Rural Electrification. Bul. 1(5): 31, processed. Dec. 1943. 335.8 R883
- 10837 MILLER, M.L. Farm engineering and health. Ky. Farmers Home Jour. 80(2): 11. Feb. 1944. 6 F2237
- Location, construction, protection, and cleaning of wells.
- 10838 MOFFETT, J.W. What lights can do. Rural Electrification. News 9(5): 8. Jan. 1944. 173.2 R88Ru
- Use in tobacco stripping and lamb raising.
- 10839 RADDER, N.J. Winter care and maintenance of farm water systems. Elect. on the Farm 17(1): 6. Jan. 1944. 335.8 E127
- 10840 RIMBACH, F.L. Rural electrification: its future in New England. Rural Electrification. Bul. 1(5): 11-12, processed. Dec. 1943. 335.8 R883
- 10841 RUCH, R.E. Teaching rural electrification. Rural Electrification. News 9(5): 16. Jan. 1944. 173.2 R88Ru
- 10842 SCHALLER, J. A., and STRAND, A. B. Electric hotbeds best for starting plants. Elect. on the Farm 17(2): 9-10. Feb. 1944. 335.8 E127
- 10843 SLATTERY, HARRY. Electric power to speed production. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 15-16. Dec. 1944. 1 Ec7Ag
- 10844 SLATTERY, HARRY. Look ahead, Dixie land! South. Agr. 74(2): 9, 18. Feb. 1944. 6 So83
- Value of electricity on the farm.
- 10845 STERE, J.B. Charging and care of storage batteries. Elect. on the Farm 17(1): 10-12. Jan. 1944. 335.8 E127
- 10846 VOLDSETH, GEORGE. A ranch hydro-electric plant. Mont. Farmer 31(9): 5. Jan. 1, 1944. 6 M764

#### Materials and Methods

- 10847 FLYNN, LAWRENCE. Concrete in ice cream plants. Ice Cream Field 43(1): 16-17, 56-57. Jan. 1944. 389.8 Ic23
- 10848 HOLMAN, R. L. Houses from the soil. Rammed earth houses are nothing new, but offer possibilities in these days of priorities. Amer. Poultry Jour. 75(2): 71-73. Feb. 1944. 47.8 Am32
- 10849 TULLOCH, DONALD, JR. Asbestos cement products destined to play big part in farm structures repair program. Miss. Val. Lumberman 75(2): 66, 68. Jan. 14, 1944. 99.81 M69
- 10850 WELLER, H.O. Building with lime. East African Agr. Jour. 9: 93-95. Oct. 1943. 24 Ea74



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DISTRIBUTION, AND STATISTICS

**GENERAL**

- 10851 ADAIR, WILLIAM. Shortage of food - not ships; the changing world situation. *Farming News and North Brit. Agr.* 95(51): 3. Dec. 10, 1943. 10 N82  
Milk supply and the meat subsidy are discussed.
- 10852 ANDERSON, BERNICE. The outlook of food for 1944. *Ind. State Bd. Health. Monthly Bul.* 47: 285, 289-291. Dec. 1943. 449.7 In2M
- 10853 ANGELL, SIR NORMAN. The Indian famine. *Far East. Survey* 13(1): 7-10. Jan. 12, 1944. 280.9 In782  
Transportation and shipping are said to be the core of the problem.
- 10854 THE BENGAL famine. *New Statesman and Nation* 27(671): 5-6. Jan. 1, 1944. 280.8 N2132  
Critical of the Indian Government's food policy.
- 10855 BIDGOOD, LEE. Middle America in the post-war scene. *Ala. Univ. School of Com. and Business Admin. Bur. of Business Res. Univ. of Ala. Business News* 14(5): 1-2, 4. Jan. 1944. 280.9 A11U  
Includes information on agricultural and forest products.
- 10856 \*\*CAMMAERTS, E. Food relief in Europe. *Contemporary Rev.* 163: 261-265. May 1943.  
Noted in *League of Nations. Library. Monthly List of Selected Articles* 15(7/9): 54. June 16/Sept. 15, 1943. 280.9 L474L
- 10857 CARLESON, ROGER. 1944 prospects for food securities. *Mag. Wall St.* 73: 452-455, 484. Feb. 5, 1944. 286.8 M27
- 10858 COLBURN, MARGARET. Food on the home front in 1944. *Skagit Co-op Dairyman* 21(5): 10. Jan. 1944. 280.28 Sk1
- 10859 COMSTOCK, ALZADA. Famine in Bengal. *Current Hist.* 6(29): 42-46. Jan. 1944. 110 C93  
The causes of the food shortage.
- 10860 DAVIS, J. S. Wartime food management. *Econ. Sentinel*, v. 1, No. 1, 46 p. Aug. 11, 1943. 280.8 Ec794
- 10861 DICKSON, M. R. The war comes to all: the story of the United States Food Administration as a propaganda agency (June 3, 1942). *George Washington Univ. Bul. Sum. Doctoral Theses* 1941-43: 18-23. Washington, D. C., 1943. 241.8 G29
- 10862 D'MILLER, W. M. We can turn this tide in 44! *Co-op. Merchandiser* 9(1): 10-12. Jan. 1944. 286.28 C78  
An analysis of the 1944 world food prospects, including discussion of the effect of the capture of North Africa and southern Italy and the recent Russian victories on the American food situation.
- 10863 EISENHOWER, M. S. Our real food job in Europe. *Farm Jour.* 65(2): 19, 93. Feb. 1944. 6 P2212
- 10864 "ESTUDIO realizado por los representantes de los Centros Agrícolas Cantonales de la Sierra sobre las posibilidades de incrementar la producción del trigo y la manteca y lo pertinente a la sindicalización de los agricultores y el apoyo a la colonización." *Ecuador. Primera Zona. Cam. de Agr. Rev.* 6: 762-765? July/Aug. 1943. 9.4 Ec96  
Tabulation of results of a questionnaire.
- 10865 FLEKNER, J. A. Food policies of the United Nations. *Amer. Econ. Rev.* 33: 812-824. Dec. 1943. 280.8 A32  
International aspects of food production, distribution, and management.
- 10866 GOLD, W. L. Food trends in 1944. *Canner* 98(9): 56, 58, 60, 72. Jan. 29, 1944. 286.83 C16
- 10867 GRAJDANZEV, A. J. Food crisis in India. *Far East. Survey* 13(1): 2-7. Jan. 12, 1944. 280.9 In782  
Discusses the causes of the food shortage and makes recommendations for wartime policy.
- 10868 GREAT BRITAIN. MINISTRY OF FOOD. PUBLIC RELATIONS DIVISION. Ministry of Food's work in 1943. *Grocer [London]* 165(4278): 4-6. Jan. 8, 1944. 286.83 G895  
Includes activities in the field of rationing, dehydration, nutrition, and storage.
- 10869 HARWOOD, G. K. Mid-America a source of ingredients. *Ice Cream Field* 43(1): 13-14, 18. Jan. 1944. 389.8 Ic23  
Mid-America as a source of cocoa, fruits, flavors, and nuts for the ice cream industry.
- 10870 HENDRICKSON, R. F. New year--new hope. *U. S. War Food Admin. Consumers' Guide* 10(2): 2. Jan. 1944. 1.94 Ad422C  
Food prospects for 1944.
- 10871 HIROSE, A. P. What postwar products do women want? *Advertising & Selling* 37(1): 29-30, 106. Jan. 1944. 238.28 Ad  
Food products included.
- 10872 HUGHES, E. B., and others. Foods. *Soc. Chem. Indus. Ann. Rpts. of the Prog. of Appl. Chem.* (1942) 27: 408-434. [1943.] 382 M31R  
L. C. Baker, C. A. Bassett, J. H. Bushill, D. H. F. Clayson, G. E. Forstner, C. H. F. Fuller, R. W. Money, P. J. Norman, and N. D. Sylvester, joint authors.  
Review of recent literature relating to chemical-industrial studies and developments concerning food and feed products in Great Britain.
- 10873 HUGHES, H. J. Will Germany starve? The odds are strongly against it! *Barron's* 24(4): 3. Jan. 24, 1944. 284.8 B27  
Review of food policy and production and present food supplies in Germany.
- 10874 HUSTON, B. T. Canada expects 1944 drop in food volume; short canning packs and other war factors will limit available merchandise. *Super Market Merchandising* 9(1): 20, 22. Jan. 1944. 389.8 Su7
- 10875 ISKER, R. A. Problems in feeding an overseas army. *Inst. Food Technol. Proc.* 1943: 19-23. 389.9 In7
- 10876 MCCOLL, E. L. Agriculture in Northern Ireland. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 64-65. Jan. 22, 1944. 286.8 C16  
The potato and flax industries in particular are discussed.
- 10877 MEAD, MARGARET. Food and feeding in occupied territory. *Pub. Opinion Quart.* 7: 618-628. Winter 1943. 280.8 P962
- 10878 MOSS, LOUIS. The War-time Social Survey; social research at the service of the administrator. *Pub. Admin.* 21: 119-125. Oct./Dec. 1943. 280.8 P963  
Improvements in the food situation made by the Survey are included.
- 10879 NATL. PLANNING ASSOCIATION. Food for Europe after victory. *Natl. Planning Assoc. Planning Pam.* 29, 42 p. Washington, 1944. 280.9 N2153  
Food relief and agricultural rehabilitation; food imports, sources, and distribution.
- 10880 \*\*ORR, J. B. Food planning for the post-war world. *Labour* 5: 272-276. May 1943.  
Noted in *League of Nations. Library. Monthly List of Selected Articles* 15(7/9): 54. June 16/Sept. 15, 1943. 280.9 L474L



- 10881 ORR, SIR J. B. [Post-war] Food policy that will mean world prosperity. Farmer & Stock-Breeder 58(2830): 23. Jan. 4, 1944. 10 F228
- 10882 POINDEXTER, GEORGE. Tomorrow's foods. Sat. Evening Post 216(33): 17, 101-102. Feb. 12, 1944. 110 S
- Development of new foods.
- 10883 REDFERN, E. L. Laboratory report. Iowa State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 35-40. Des Moines, 1943. 2 I09R
- Report of analysis of foods, feeds, and seeds.
- 10884 RELIEF and rehabilitation. Statist 140: 902-904. Dec. 18, 1943. 286.8 St2
- World food requirements and supplies and financing of the program of the United Nations Relief and Rehabilitation Administration.
- 10885 VINCENT, CHARLES. Lições práticas de zootecnia. Quarta parte. Soc. Bras. de Agron. Bol. 6: 159-170. June 1943. 9.2 Sol3
- On the composition of milk, manufacture of butter, and various methods of meat processing and preservation.
- 10886 WILSON, C. M. Our opportunity in middle America. Tex. Livestock Jour. 2(12): 9. Dec. 15, 1943. 49 T29
- Includes information on agricultural and forest products.
- 10887 ZEMURRAY, SAMUEL. War crops from our neighbor's garden. Sugar Jour. 6(8): 5-6, 17-18, 23. Jan. 1944. 65.8 Su391
- Reprinted from American Magazine, Oct. 1943.
- Agricultural and forest products and possibilities of Latin America.

## CONSUMPTION

- 10888 CAMPO, JUAN. Temas económicos; Comentarios al margen de la publicación argentina "El subconsumo de alimentos en la América del Sur." Caracas, Venezuela. Cám. de Com. Bol. 32: 8919-8921. Aug. 1943. 287 C173

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 10889 AIRPLANE cargo transportation for perishables, agricultural products, 'ready to go.' Citrus Mag. 6(7): 5. Jan. 1944. 80 C498
- 10890 CLARKE, H. W. Broker-canner relations. Canner 98(9): 70, 72. Jan. 29, 1943. 286.83 C16
- 10891 CROW, W. C. The railroads and our food. U. S. Food Distrib. Admin. Market. Activ. 6(12): 7-10, processed. Dec. 1943. 1.942 ASM34
- 10892 DUFFY, BEN. Food buying habits after two years of war. Advertising and Selling 37(2): 31, 122. Feb. 1944. 283.28 Ad
- 10893 FOGG, V. A. Build efficient distribution --now. Co-op. Digest 4(8): 38. Feb. 1944. 280.28 C7896
- 10894 GRADY, D. K. What! Sarongs to Iceland? Canner 98(9): 74, 76. Jan. 29, 1943. 286.83 C16
- Food distribution.
- 10895 GRAHAM, L. J. Your marketing cooperative in wartime. South. States Co-op. Patron 11(2): 24-25. Annual Rpt. Issue, 1943. 280.29 So8
- Annual report on operations of Southern States Marketing Cooperative.
- 10896 HENDRICKSON, R. F. Distributing food in 1944. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 19-20. Dec. 1943. 1 Kc7Ag
- 10897 KAIN, R. S. Victory's handmaids; the United Kingdom Commercial Corporation and the Middle East Supply Center. Asia and the Americas 44(1): 17-20. Jan. 1944. 286.8 Am31
- Both organisations handle food products.

- 10898 MCCLAURIN, J. H., and CLARK, WAYNE. Food sales problem in post-war period. Rice Jour. 47(1): 13-15. Jan. 1944. 59.8 R36
- 10899 MARSDEN, A. G. Savings in transport; Ministry of Food's achievements. Grocer [London] 165 (4279): 3-4. Jan. 15, 1944. 286.83 G895
- 10900 MARSHALL, LEE. Our 1944 objectives. Canner 98(9): 62, 64. Jan. 29, 1944. 286.83 C16
- Distribution activities of the War Food Administration.
- 10901 OLEY, W. W. Cooperative marketing of farm products in New Jersey. Moos 4(6): 6, 15. Jan. 1944. 44.8 M78
- 10902 RUTHERFORD, D. M. Farmers' outlet market. Pacific Rural Press [South. Ed.] 147(1): 16. Jan. 8, 1944. 6 P112A
- Welker's Packing House and Markets in San Bernardino County, Calif.
- 10903 SHERWOOD, R. C. Food distribution in wartime. Inst. Food Technol. Proc. 1943: 11-18. 389.9 In7
- 10904 WALKER, ROBIN. Grocer trade associations booming in Briton [sic]. Natl. Grocers Bul. 31(1): 65-66. Jan. 1944. 286.83 N214
- 10905 WHAT it costs to distribute some important food products. Food Indus. 16(1): 58-60, 129-130; (2): 84-86, 135-137. Jan., Feb., 1944. 389.8 F737
- Summary of a report presented to Congress by the Federal Trade Commission.
- 10906 WHITE, RUTH. The effect on needy families of suspension of the food stamp plan. U. S. Social Security Bd. Social Security Bul. 6(11): 18-28. Nov. 1943. 173.2 Sol5oc

## GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 10907 CARPENTER, A. E. Government grade labeling. Macaroni Jour. 24(9): 22. Jan. 1944. 298.8 H46
- 10908 HOW LABELS keep brand identity. Mod. Packaging 17(5): 60-63, 124. Jan. 1944. 309.8 M72
- Includes labeling of packaged food products.
- 10909 JACOBY, NEIL, VERST, JULIAN, and WARNE, COLSTON. Grade labeling; a radio discussion. Univ. Chicago Round Table, No. 297, p. 1-28. Nov. 28, 1943. 280.9 Un34
- 10910 MAHER, E. F. Customer's nightmare. Sat. Evening Post 216(32): 20-21, 93-94. Feb. 5, 1944. 110 S
- The controversy over grade-labeling versus brand-labeling of manufactured products, including processed foods.
- 10911 MINOR, R. G. Adulteration of food. Roy. Inst. Chem. Gt. Brit. and Ireland. Jour. and Proc., Pt. 6, 1943, p. 216-217. Dec. 1943. 382 In7
- 10912 NEAL, A. L. Principles in commodity classification. Estadística 1(4): 83-88. Dec. 1943. 251.8 Es8
- Includes agricultural products.
- 10913 SPARLING, E. M. Mandatory grade labelling - the effect on quality. Food in Canada 4(1): 21, 22-23. Jan. 1944. 389.8 F7323
- 10914 STANDARDS hold the line. U. S. War Food Admin. Consumers' Guide 10(2): 10-12. Jan. 1944. 1.94 Ad422C
- Grades and standards for food products.
- 10915 WARNE, C. E. Grade labels or trade labels? Current Hist. 6: 104-109. Feb. 1944. 110 C93

## INDUSTRIAL UTILIZATION

- 10916 BROWN, B. M. The fermentation industries. Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem. (1942) 27: 393-407. London, 1943? 382 M31R
- The literature of chemical research.



10917 \*DEHNICKE, JOH. Ueber erfahrungen auf revisionsreifen in der kampagne 1940-41. Ztschr. f. Spiritusindus. 65: 101-103. Sept. 10, 1942.

Activities of agricultural distilleries.

10918 FARIA, GOMES DE. Novas fontes de produção de alcool para o Brasil. Ceres 4: 151-168. Jan./Feb. 1943. 9.2 C332

Includes the production of alcohol from starch-containing agricultural products such as corn, manioc, rice, and sweetpotatoes, with data on yields and profits in the manufacture of alcohol from manioc.

10919 \*KAISER. Aenderungen des Branntweinmonopolgesetzes. Ztschr. f. Spiritusindus. 65: 91-92. Aug. 13, 1942.

Changes relate to the definition and regulation of agricultural distilleries.

10920 KOLACHOV, PAUL. Chemurgic raw materials for the fermentation industry. Chemurg. Digest 3 (1): 21-26. Jan. 15, 1944. 381 N213Na

Notes need for a program of increasing crop yield and starch content of farm crops if chemurgic program is to survive.

10921 SCHOFFELMAYER, VICTOR. Chemurgy in the Southwest. Chemurg. Digest 3(1): 27-31. Jan. 15, 1944. 381 N213Na

10922 WIEGAND, E. H. Dollars from canning factory wastes. (Concl.) Canner 98(10): 12, 30, 32. Feb. 5, 1944. 286.83 C16

10923 WIEGAND, E. H. Turn your pea vine waste into profit. Food Packer 25(2): 46-47. Feb. 1944. 286.83 C165

#### PACKING AND PACKAGING

10924 BALL, C. O. Containers for food for export. Chemist 21(1): 21-27. Jan. 1944. 381 C427

10925 BALL, C. O. Containers for heat processed foods. Inst. Food Technol. Proc. 1943: 101-126. 389.9 In7

10926 BRIGHTON, K. W. The electrolytic can--its present status and future. Mod. Packaging 17(5) 93-100, 118. Jan. 1944. 309.8 M72

10927 CAMPINS, F. C. Water-resistant glues in the new geography of packaging. Quick Frozen Foods 6(6): 74-76. Jan. 1944. 389.8 Q4

10928 CAN MANUFACTURERS INSTITUTE, INC. Cans at war. Canning Trade 66(25): 16. Jan. 17, 1944. 286.83 T67

10929 CLARK, J. d'A. Packaging subsistence items for the overseas use of the Army. Inst. Food Technol. Proc. 1943: 127-131. 389.9 In7

10930 GRAHAM, W. E. Camouflage--army ration cans coated for war. Crown 33(2): 17, 29. Feb. 1944. 389.8 C88

10931 LEINBACH, F. S. The container situation as affected by the war. Inst. Food Technol. Proc. 1943: 95-100. 389.9 In7

10932 LIBBY, C. E., O'NEIL, F. W., and NICKERSON, A. W. Accelerated corrosion of tin cans in various types of solid fibre containers. Canning Trade 66 (28): 12-13. Feb. 7, 1944. 286.83 T67

10933 ROWNY, R. L. The packaging of food; progress in 1943. Food Manufacture 19(1): 11-14. Jan. 1944. 389.8 F736

#### PRICES, PRICE CONTROL, AND RATIONING

10934 BELSHAW, J. P. Beveridge and the new order. Austral. Quart. 15(2): 12-23. June 1943. 280.8 Au7

Adoption of the Beveridge Plan by Great Britain will maintain prices of Australian agricultural products at a higher level.

10935 BOWLES, CHESTER. What rationing and price control have taught us. Canner 98(6): 26. Jan. 8, 1944. 286.83 C16

10936 BRIDGES, A. The new farm prices - what they mean to you! Dairy Farmer [Ipswich] 17(1): 9-10. Jan. 1944. 44.8 D1414

Effect of prices on farm profits.

10937 DAVIS, J. H. United States: Price controls. Broomhall's, George, Corn Trade News 53: 485. Dec. 15, 1943. 286.81 B79

Food price controls and subsidies.

10938 FACTS and figures. Canada at War, No. 32, p. 13-61. Jan. 1944. 280.8 C163

Includes the price control program, food rations, and food production objectives for 1944.

10939 GRISDALE, G. Points banking. Co-op. Rev. 17: 187-189. Dec. 1943. 280.28 C7823

10940 HARRIS, S. E. La regulación de precios en Sur América. Hacienda 39(1): 7-9. Jan. 1944. 6 H11

10941 HUDSON, R. S. Farm produce prices; Minister explains Government's attitude to 1940 pledge. Scot. Farmer 52: 234. Jan. 1, 1944. 10 Sco8

10942 HUDSON, R. S. Script of broadcast talk by the Minister of Agriculture. London Corn Cir. 100 (103): 5, 6. Dec. 22, 1943. 286.81 L84

Control of agricultural prices in Great Britain.

Also printed in London Corn Cir. 100(104): 11, 12. Dec. 24, 1943.

10943 HUTSON, J. B. Price supports to boost production. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 10-12. Dec. 1943. 1 Ec7Ag

10944 MR. HUDSON and the farmers. New Statesman and Nation 27: 51-52. Jan. 22, 1944. 280.8 N2132

On the British Government's agricultural price policy.

10945 MONTGOMERY, J. P. Prices of farm products in Louisiana. La. Rural Econ. 5(4): 8. Nov. 1943. 281.8 L93

10946 PAGE, SIR EARLE. Australian post-war development; food and food prices. Article 3. Country Life [Sydney] 55(23): 14. Dec. 3, 1943. 286.85 Sy2

10947 PERKINS, FRANCES. Price advances were checked in 1943 through firm controls and rationing; food and clothing show highest retail increases; rents and utility rates generally remain stable. Victory Bul. 5(33): 17-19. Jan. 15, 1944. 280.8 V663

10948 SALLES, APOLÔNIO. Salário mínimo. Vida Rural e Econ. 5(8): 24-25. Aug. 1943. 9.2 V662

Recommends higher prices for agricultural products as a prerequisite for increased farm wages in Brazil.

10949 SHOULD subsidies be used to hold food prices down? Univ. Chicago Round Table, No. 296, p. 1-25. Nov. 21, 1943. 280.9 Un34

Contains prepared statements by Donald Montgomery and Roger Fleming, and radio discussion by Walter Johnson, Jacob Marschak, and T. W. Schultz.

10950 TYRMAN, DONALD. The British view; problems of food supply and food consumption. Barron's 24(4): 10. Jan. 24, 1944. 284.8 B27

States need for world-wide food rationing as a measure of post-war reconstruction.

10951 U. S. OFFICE OF PRICE ADMINISTRATION. Food rationing for institutional users. Fed. Register 9: 455. Jan. 12, 1944. 169 F31

General Ration Order 5, Amend. 44; Amend. 45 in Fed. Register 9: 692. Jan. 18, 1944.

10952 U. S. OFFICE OF PRICE ADMINISTRATION. Meat, fats, fish and cheeses. Fed. Register 9: 731. Jan. 19, 1944. 169 F31

Ration Order 16, Revised Supplement 1, Amend. 9; Amends. 98 and 99 in Fed. Register 9: 677-678, 695. Jan. 18, 1944.



- 10953 U. S. OFFICE OF PRICE ADMINISTRATION. Processed foods. Fed. Register 9: 574. Jan. 14, 1944. 169 F31  
Revised Ration Order 13, Amend. 3; Amend. 2 in Fed. Register 9: 695. Jan. 18, 1944.
- 10954 WILSON, J. S. G. Demobilisation of war-time economic controls. Austral. Quart. 15(4): 5-18. Dec. 1943. 280.8 Au7  
The controls include rationing and price fixing.
- 10955 WPTB ORDERS affecting the food trade which were in effect December 31, 1943. Canada. Wartime Prices and Trade Bd. Food Bul. SF 34, p. 2-3. Jan. 10, 1944. 284.39 C167R

## PROCESSING AND STORAGE

- 10956 ALLCHIN, J. P. Food canning. Roy. Inst. Chem. Gt. Brit. and Ireland. Jour. and Proc., Pt. 6, 1943, p. 211-212. Dec. 1943. 382 In7
- 10957 ANNUAL inventory of the frozen food locker industry. Locker Operator 6(6): 8-9, 20, 23. Jan. 1944. 295.8 L79
- 10958 BALLS, A. K. Control of enzymatic action in foods. Inst. Food Technol. Proc. 1943: 165-169. 389.9 In7
- 10959 BIRDSEYE, CLARENCE. Frozen foods in war economy. Inst. Food Technol. Proc. 1943: 34-36. 389.9 In7
- 10960 BIRDSEYE, CLARENCE. Preservation of perishable foods. Canad. Food Packer 15(1): 12-20. Jan. 1944. 286.83 C166  
A detailed account of the history and status of various methods of preserving foods, including refrigeration (including quick-freezing), canning, pasteurization, dehydration, and fermentation.
- 10961 BURTNER, J. C. Food-products pioneer. Country Gent. 114(2): 22, 73, 75. Feb. 1944. 6 C833  
Story of Professor E. H. Wiegand and his studies in food processing at Oregon State College.
- 10962 CANNING, J. B. War changing food habits of plenty-loving American folk. Wyo. Stockman-Farmer 50(1): 6. Jan. 1944. 6 W992  
On the new developments in food processing and preserving and their post-war prospects.
- 10963 CLARKE, R. H. Products with a future! Co-op. Merchandiser 9(1): 14, 31-32. Jan. 1944. 286.28 C78  
Post-war prospects of new food products with special attention to dehydrated foods.
- 10964 COHKE, R. F. Dextrose improves frozen foods. Food Packer 25(2): 30-31. Feb. 1944. 286.83 C165
- 10965 COHKE, R. F., JR. Dextrose in the quick freezing industry. Quick Frozen Foods 6(6): 18, 35. Jan. 1944. 389.8 Q4
- 10966 CRUESS, W. V. Deshidratación de alimentos en tiempos de guerra. Agrario [Santiago, Chile] 8(324): 11. Sept. 30, 1943. 9.3 Ag85  
The advantages of dehydration, Army demand for it, processes usually followed. Based upon experiences in California.
- 10967 CUTSHALL, ALDEN. The manufacture of food and kindred products in the lower Wabash valley. Agr. Hist. 18(1): 16-22. Jan. 1944. 30.98 Ag6
- 10968 DEHYDRATED foodstuffs. II. Some new methods. Times Trade & Engin. (n.s.) 54(959): 12. Jan. 1944. 286.8 T482
- 10969 DRIED by hot air. Business Week, No. 75, p. 68. Jan. 15, 1944. 280.8 Sy8  
Machinery and process for food dehydration developed by W. A. Noel, of the U. S. Dept. of Agriculture.
- 10970 DUNN, G. C. Locker plants in Rhode Island. New England Homestead 117(2): 12. Jan. 22, 1944. 6 N442

- 10971 FINNEGAN, W. J. Drying of foods by freezing. Ice and Refrig. 106(1): 49-53. Jan. 1944. 295.8 Ic2
- 10972 FIRST school of dehydration in Rochester, New York. Food Manufacture 19(1): 18. Jan. 1944. 389.8 F736
- 10973 FITZGERALD, G. A. Trends in the refrigeration of foods. Refrig. Engin. 47: 102-104. Feb. 1944. 295.9 Am32J
- 10974 GAVRILOVA, CLAUDIA. Wartime ingenuity created and runs this frosted foods plant. Canner 98(9): 38, 40, 42, 68. Jan. 29, 1944. 286.83 C16  
Honor Brand frosted foods plant, Zillah, Washington.
- 10975 GORE, GRANT. Post-war liquidation of processed food stocks. Glass Packer 23(1): 37-38, 47. Jan. 1944. 309.8 G463
- 10976 HOPKINS, T. T. Peace...powtwar and packers. Canner 98(9): 22-23. Jan. 29, 1944. 286.83 C16  
Canned and frozen foods.
- 10977 INDUSTRIAL marketing. 1944 market data book number. Indus. Market. 28(11): 1-448. Oct. 25, 1943. 280.38 In22  
Data on industrial and trade markets and on the associations and publications serving them. Includes industries dealing with agricultural and food products.
- 10978 KIDD, FRANKLIN. Preservation of foods by drying. Nature [London] 153: 100-102. Jan. 22, 1944. 472 N21
- 10979 LAGLOIRE, PELLERIN. La déshydratation. Bul. des Agr. 40(1): 15-16. Jan. 1944. 7 B872
- 10980 MOURAY, J. M. Dehydration. Rhodesia Agr. Jour. 40: 285-286. Sept./Oct. 1943. 24 R34  
Brief survey of results and methods.
- 10981 MOUBRAY, J. M. Pilot work in dehydration. Rhodesian experience with fruit and other products. Farmer's Weekly [Bloemfontein] 66: 508-509. Dec. 1, 1943. 24 F225
- 10982 OLIVER, MARGARET. Home canning in Alabama and its relation to the war effort. Ala. Acad. Sci. Jour. 15: 22-27. Oct. 1943. 500 AL12
- 10983 \*PABST, HEINRICH. Die bedeutung der tiefgefrierverfahren für die volksernährung. Umschau 47: 73-75. Feb. 27, 1943. 474 Um7
- 10984 PHESCOTT, S. C. Pioneering in food technology: Appert and after Appert. Inst. Food Technol. Proc. 1943: 233-238. 389.9 In7  
Biographical sketch of Nicholas Appert, pioneer in the study of food processing.
- 10985 PROCTOR, B. E., and SLUDER, J. C. The compression of dehydrated foods. Inst. Food Technol. Proc. 1943: 132-142. 389.9 In7
- 10986 RADLEY, J. A. Fluorescence analysis in the food industry. Part II. Food Manufacture 19(1): 23-26. Jan. 1944. Ref. 389.8 F736
- 10987 SHAW, C. L. Looking at Canadian processed food problems. West. Canner and Packer 36(1): 20. Jan. 1944. 286.83 W522
- 10988 SHAW, WILLIAM. Rancher & processor, a great team. West. Livestock Jour. 22(12): 77, 78, 79, 80. Jan. 15, 1944. 6 F2278  
Deals with farm production and food processing.
- 10989 SMUCKER, W. E. The outlook for preservers. Canner 98(9): 21. Jan. 29, 1944. 286.83 C16
- 10990 STARE, F. A. Challenge to Government. Food Indus. 16(1): 53-55, 116. Jan. 1944. 389.8 F737  
Criticizes Government regulation of the canning industry.
- 10991 TEMPLETON, R. A. The truth about dehydration. Farmers Weekly [London] 19(26): 21, 23. Dec. 23, 1943. 10 F2226



- 10992 VAN LEEB, C. C., JR. "Air power" replaces man power in dehydration. *Quick Frozen Foods* 6(6): 62-63. Jan. 1944. 389.8 Q4
- 10993 WALKER, VAUGHN. Postwar planning and competition in the locker industry. Excerpts from an address. *Locker Operator* 6(6): 10-11. Jan. 1944. 295.8 L79
- 10994 WALL, JOHN. Sees big canned food export future. Phenomenal progress made by industry in past 20 years - When four freedoms are implemented Canada should experience heavy demand from Europe. *Canad. Grocer* 58(2): 20, 22. Jan. 15, 1944. 286.83 C162
- 10995 WATERS, L. W. What's ahead in food processing. *Canner* 98(9): 20, 21, 82. Jan. 29, 1944. 286.83 C16
- 10996 WIEGAND, E. H. The Pacific Northwest assumes stature in food dehydration. *West. Canner and Packer* 36(1): 41, 43-44. Jan. 1944. 286.83 W522
- 10997 WILLIAMS, E. W. "I want to start a locker plant." *Quick Frozen Foods* 6(6): 46-47, 58. Jan. 1944. 389.8 Q4

## STATISTICS

- 10998 SHAW, W. R. P. E. I. farmers' contribution in 1943. *Marit. Farmer* 49(8): 20. Jan. 18, 1944. 7 C77
- Gives statistics for agricultural production on Prince Edward Island.
- 10999 SOUTHERN California crops and livestock, annual review, 1943. Los Angeles County [Calif.], Chamber Com. South. Calif. Crops 19(12): 1-35, sup., processed. Dec. 1943. 252.09 L8938
- 11000 SWISS agriculture. *Economist* [London] 146: 75. Jan. 15, 1944. 286.8 Ec7
- The wartime agricultural program, statistics of production, and prices.

## BEVERAGES AND CONDIMENTS

- 11001 AMERINE, M. A., MARTINI, L. P., and DE MATTEI, WILLIAM. Foaming properties of wine. *Wines & Vines* 25(1): 12-16. Jan. 1944. 95.8 C122
- 11002 ANDRADE, THEOPHILO. O mercado argentino de café. *DNC; Rev. do Depto. Nac. do Café [Brazil]* 21: 371-374. Sept. 1943. 286.83 D44
- 11003 BONWIT, J. A. Cans for coffee in the near future if steel supply continues to improve. *Tea & Coffee Trade Jour.* 86(2): 14. Feb. 1944. 68.8 T22
- 11004 BROOKS, JACK. British tea industry optimistic over crops, supplies and shipping. *Tea & Coffee Trade Jour.* 86(2): 25-26. Feb. 1944. 68.8 T22
- 11005 CINTRA, ANDREAS. O café em junho. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 516-519. July 1943. 68.29 Sa63
- Statistics on exports and prices.
- 11006 CLORAN, G. B. Adhesives and labeling methods for bottled wines. *Wines & Vines* 25(1): 17-18. Jan. 1944. 95.8 C122
- 11007 ESPINOSA, M. A. Empleo del anhídrido sulfuroso en enología. (Cont. and to be cont.) *Vinos, Viñas y Frutas* 38: 172-175. Oct. 1943. 9 Ag89
- 11008 FERREIRA, R. DA C. A escassez de cafés moles em São Paulo. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 514-515. July 1943. 68.29 Sa63
- On the quality of São Paulo coffees.
- 11009 GÓMEZ MUÑOZ, VIRGILIO. Los vinos de Jerez. *Ceres* 4: 19-20, 33-34. Nov., Dec. 1939. 15 C33
- On the manufacture of sherry wines.

- 11010 \*HAKEN, WILHELM. Zichorie als rohstoff der spiritgewinnung in der UdSSR. *Ztschr. f. Spiritusindustrie* 65: 70. June 18, 1942.
- 11011 HERRING, W. H. Wine ages naturally in wood. *Barrel and Box and Packages* 48(12): 7-8, 10. Dec. 1943. 99.82 B27
- 11012 HUSTON, B. T. Canadian tea and coffee imports continue to exceed ration needs. *Tea & Coffee Trade Jour.* 86(2): 28. Feb. 1944. 68.8 T22
- 11013 LOPES, WALDEMAR. O café e a cultura brasileira. *DNC; Rev. do Depto. Nac. do Café [Brazil]* 21: 383-386. Sept. 1943. 286.83 D44
- Written with reference to the book "A Cultura Brasileira" by Fernando de Azevedo, issued in 1943 by the Serviço Gráfico do Instituto Brasileiro de Geografia e Estatística.
- 11014 MARCILIA, JUAN. Vinos defectuosos; picado y avinagramiento. *Vinos, Viñas y Frutas* 38: 164-168. Oct. 1943. 9 Ag89
- 11015 MARTIN, H. W. Wineries act in shortage of containers. *Wines & Vines* 25(1): 10-11. Jan. 1944. 95.8 C122
- 11016 MENÉNDEZ CASTRO, CARLOS. Memorial presentado al Sr. Presidente de la República sobre importancia del café y los impuestos de exportación. *Café de El Salvador* 13: 148-151. Oct. 1943. 68.28 C112
- 11017 MESTRE ARTIGAS, CRISTÓBAL, and ESTADELLA AYXELÁ, TOMÁS. Determinación de los ácidos tartárico, málico y succínico de los vinos por volumetría físicoquímica. (To be cont.) *Vinos, Viñas y Frutas* 38: 160-163, 164. Oct. 1943. 9 Ag89
- 11018 NOBREGA, APOLÔNIO. A história do café na Paraíba. *DNC; Rev. do Depto. Nac. do Café [Brazil]* 21: 387-394. Sept. 1943. 286.83 D44
- 11019 STERN, JEANNOT. Aportaciones al estudio de la fermentación del café; variaciones del pH y de las temperaturas en las pilas de fermentación. *Café de El Salvador* 13: 89-102. Sept. 1943. 68.28 C112
- 11020 TAUNAY, A. DE E. "De saluberrima potione cahue seu cafe nuncupata discursus"; (primeira obra impressa sobre o café. *DNC; Rev. do Depto. Nac. do Café [Brazil]* 21: 375-381. Sept. 1943. 286.83 D44
- Discussion of the first book dealing exclusively with coffee which was written by Antonio Fausto Naironi and printed in 1671.
- 11021 WEINBERG, P. R. Methods other than bluefining for the removal of iron from wine. *Wines & Vines* 25(1): 23. Jan. 1944. 95.8 C122

## DAIRY PRODUCTS

- 11022 \*BARLEHNER, CARL. Vollmilch - kurze winke für mehrerzeugung, mehrablieferung und anleitung für sparsamen verbrauch. *Deut. Landwirt. Tierzucht* 47: 32-33. Jan. 23, 1943. 49 D48
- Milk supply in Germany.
- 11023 BRANDT, JOHN. Brandt states problems facing dairymen in 1944. *Dairyland News* 14(1): 1, 3. Jan. 10, 1944. 280.28 W752
- 11024 CHRISTENSEN, C. L. The place of the dairy industry in post-war America. *South. Dairy Prod. Jour.* 35(1): 18-19, 24-27. Jan. 1944. 44.8 So83
- Also in *Milk Plant Monthly* 33(1): 21-25. Jan. 1944. 44.8 C864; *Holstein-Friesian World* 41: 83-85, 125. Jan. 15, 1944. 43.8 H742; *Jersey Bul.* 63: 70-71, 82, 84, 86, 88. Jan. 20, 1944. 43.8 J48; *Milk Dealer* 33(4): 70-71. Jan. 1944. 44.8 M595
- 11025 CORÁ, FLAVIO. El queso parmesano. *Ecuador. Depto. de Agr. Bol.* 25, 7 p. Quito, 1943. 9.5 Ag8B



- 11026 DRIVER, C. E. Part I. Missouri--the ideal dairy State; climate, topography, soils and crops for successful dairy farming. Part II. List of dairy processing plants in Missouri. Mo. State Dept. Agr. Bul., v. 41, No. 5, 22 p. Jefferson City, 1943. 2 M69B  
The processing plants include creameries, cheese factories, milk powder and condensery plants, and ice cream manufacturers.
- 11027 ESMOND, C. W. Uncle Sam is friendly to low butterfat cream. Milk Plant Monthly 33(1): 26. Jan. 1944. 44.8 C864
- 11028 GREENE, S. H. The dairy industry in the postwar world. Pacific Dairy Rev. 48(1): 13, 26. Jan. 1944. 286.85 P11
- 11029 HAMILTON, W. M. A survey of the dairy industry in New Zealand. Parts VIII to XI. New Zeal. Jour. Sci. and Technol. 24: 273A-302A. Apr. 1943. 514 N48
- 11030 HOBART, G. M. Canada plans now for a greater ice cream industry. Ice Cream Field 43(1): 38, 42. Jan. 1944. 389.8 Ic23
- 11031 LACKNER, C. E. Ontario creamery butter passes previous year's production. Canad. Dairy and Ice Cream Jour. 23(1): 49-50, 58. Jan. 1944. 44.8 C162  
Effect of cream gathering regulations on butter production.
- 11032 LAURIDSEN, CHRISTIAN. Plan de enseñanza especializada de lechería. Indus. Lechera 25: 593-596. Sept. 1943. 44.8 In26
- 11033 LOPEZ GONZÁLEZ, A. R. La preparación técnica del personal de cremerías, queserías, usinas de pasteurización, etc. Indus. Lechera 25: 585-587. Sept. 1943. 44.8 In26
- 11034 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Minnesota creameries, cheese and ice cream factories, milk plants, canneries, bottlers and refrigerated food lockers. Minn. Dept. Agr., Dairy and Food. Bul. Inform. 1943, 74 p. St. Paul, 1943. 44.9 M664
- 11035 MONTAGUE, T. G. Dairy outlook for 1944. West. Livestock Jour. 22(12): 124. Jan. 16, 1944. 6 F2278
- 11036 NATIONAL COOPERATIVE MILK PRODUCERS' FEDERATION. A dairy policy for 1944; being the resolutions passed by the twenty-seventh annual convention ... Chicago, Ill., Dec. 2, 3, 4, 1943, and other policy statements. Natl. Coop. Milk Prod. Fed. Ed. Ser. 25, 18 p. [n. p.], 1943? 281.3449 M21
- 11037 NATIONAL COOPERATIVE MILK PRODUCERS' FEDERATION. Postwar program for dairying. Mich. Milk Messenger 25(9): 1, 3. Jan. 1944. 44.8 M582
- 11038 NOBLE, K. F. Dairy industry in Australia. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 71-73. Jan. 22, 1944. 286.8 C16  
Takes up production and consumption of dairy products and subsidies to the industry.
- 11039 PEARSALL, R. E. Butter pronounced key-stone for future industry stability. Amer. Butter Rev. 5: 376, 403. Dec. 1943. 44.8 Am37
- 11040 RENNER, K. M. Maintaining consumer confidence in milk supplies. Milk Plant Monthly 33(1): 36-40. Jan. 1944. 44.8 C864
- 11041 ROBERTS, A. E. Observations on the Government's milk policy. Roy. Sanit. Inst. Jour. 64: 1-4. Jan. 1944. 449.9 R812
- 11042 SINGLETON, J. F. Developments in Canadian dairy products industry during 1943. Canad. Dairy and Ice Cream Jour. 23(1): 35-36, 47-48. Jan. 1944. 44.8 C162
- 11043 STITTS, T. G. Butter outlook for 1944. Ice Cream Trade Jour. 40(1): 12-13, 38, 40, 42, 44-45. Jan. 1944. 389.8 Ic2  
Also in Natl. Butter and Cheese Jour. 35(2): 12-13, 46-47. Feb. 1944. 286.85 B98Bu
- 11044 THOMAS, M. E. Milk administration: past, future? Roy. Sanit. Inst. Jour. 64: 5-8. Jan. 1944. 449.9 R812
- 11045 TRONERUD, C. S. Saeter beauty and dairy profits [from goat milk and cheese in Norway]. (To be cont.) Dairy Goat News 5(8): 21. Feb. 1944. 40.18 Am34
- 11046 WENTWORTH, W. A. To promote maximum supply of milk. Milk Plant Monthly 33(2): 26-28. Feb. 1944. 44.8 C864
- Analysis and Composition**
- 11047 AMERICAN DAIRY SCIENCE ASSOCIATION. Final report of the Sub-Committee on the Determination of the Percentage of Fat in Sweetened Condensed Milk and Evaporated Milk. W. D. Swope, chairman. Jour. Dairy Sci. 27: 53-55. Jan. 1944. 44.8 J822
- 11048 ANDERSEN, A. B. Análise do creme. Ceres 4: 233-236. Mar./Apr. 1943. 9.2 C332
- 11049 ANDERSEN, A. B. Análise do leite. Ceres 4: 186-196. Jan./Feb. 1943. 9.2 C332
- 11050 ANDERSON, E. B. Detection of traces of hypochlorites in milk. Analyst 68: 246. Aug. 1943. 382 Anl
- 11051 ARIAS BELLINI, M. Investigaciones de cloruros en leches de mezcla. Indus. Lechera 25: 527. Aug. 1943. 44.8 In26
- 11052 GRAHAM, V. E. Testing milk and cream for butterfat. Saskatchewan Univ., Col. Agr. Bul. 116, 10 p. Saskatoon, 1943. 7 Sa86A
- 11053 HAMMOND, G. H. The Food and Drugs Act: Some reflections of a sampling officer [in Great Britain, regarding milk for analysis]. Roy. Sanit. Inst. Jour. 64(1): 14-18. Jan. 1944. 449.9 R812  
Unscrupulous practices and remedies for them.
- 11054 HERREID, E. O., and HARMON, CHARLES. A study of methods of obtaining milk samples for estimating milk fat by the Mojonnier method. Jour. Dairy Sci. 27: 33-38. Jan. 1944. 44.8 J822
- 11055 HERRINGTON, B. L. Temperature errors in weighing and their control in the Mojonnier fat test. Jour. Dairy Sci. 27: 67-72. Jan. 1944. 44.8 J822
- 11056 ILLING, E. T., CHALKER, C. A., and WOOD, D. R. Routine examination of the milk of herds of cows in Somerset for the presence of tubercle bacilli during the five-year period 1938-1942. Analyst 68: 247-248. Aug. 1943. 382 Anl
- 11057 JOHNS, C. K. Recent developments in milk control. Canad. Jour. Pub. Health 35(1): 33-37. Jan. 1944. 449.8 p964  
Milk testing and bacteriological control.
- 11058 KAY, H. D. The phosphatase test for milk. Dairy Indus. 8: 688-692. Dec. 1943. 44.8 D1427
- 11059 LETHEN, W. A. The public health value of [milk] tests. Dairy Indus. 8: 686-687. Dec. 1943. 44.8 D1427
- 11060 LIVAK, C. W. Calculating total solids in milk. Milk Dealer 33(4): 22-23, 60, 62. Jan. 1944. 44.8 M595
- 11061 OLSEN PUBLISHING COMPANY. Sediment testing [of milk and cream] in various States. Milk Dealer 33(4): 28-29, 56. Jan. 1944. 44.8 M595
- 11062 PROVAN, A. L., and ROWLANDS, A. Dye reduction tests for heat treated milk. Dairy Indus. 8: 693-699. Dec. 1943. 44.8 D1427
- 11063 SAVAGE, SIR WILLIAM. A national milk policy. Med. Off. 70: 189-192. Dec. 11, 1943. 448.8 M462  
Considers requirements of a satisfactory milk supply from the viewpoint of public health.



11064 SUMMER, I. R. Suggestions from the testing commission. *Milk Prod.* 20(1): 3. Jan. 1944. 280.38 M595

11065 SWOPE, W. D. Pennsylvania method dependable in testing dairy products for fat. *Pa. Agr. Expt. Sta. Sci. for the Farmer* (Bul. 446, Sup. 1), p. 9-10. [1943] 100 P381

11066 \*VILEGZHANIN, M. Z. Elektrometricheskif metod opredeleniya povarennoi soli v solenom masle (An electrometric method for determining sodium chloride (common salt) in salted butter). *Vologda Agr. Inst. Proc.* (1942)5: 311-326. 106 V882

11067 \*\*VILLANUEVA M., J. Determination of iron in milk. *Bol. Soc. Quim. Peru* 9: 6-15. 1943.

Abs. in *Brit. Chem. and Physiol. Abs.* Nov. 1943, B., III, p. 271. 382 B773

#### Distribution, Marketing, and Transportation

11068 CASTLE, B. F. How the milk industry serves in wartime. *Milk Plant Monthly* 33(1): 42, 44-46. Jan. 1944. 44.8 C864

Government cooperation, milk supply and prices, and problems of milk distributors.

11069 ESMOND, C. W. Dealer [ice cream] selling policy. *Ice Cream Trade Jour.* 40(1): 52. Jan. 1944. 389.8 Ic2

11070 FOWLER, C. A. Post war retail dairy store. *Milk Dealer* 33(4): 90-91. Jan. 1944. 44.8 M595

11071 HAMILTON, W. M. The future of our industry. *New Zeal. Dairy Exporter* 19(2): 19-21. Oct. 1, 1943. 44.8 N484

Discusses trends in British agriculture, post-war competition between margarine and butter, and possible demand for butter by America, Europe, and the Eastern Countries.

11072 MOVEMENT of fluid milk in the U. S. by motor carrier. *Milk Plant Monthly* 33(1): 32-33. Jan. 1944. 44.8 C864

11073 SCOTT, J. M. Importations of dairy products into Florida. *Fla. Poultryman and Stockman* 10(1): 28. Jan. 1944. 47.8 F66

11074 SMITH, C. W. New England milk dealers put supplies into one common tank. *Milk Plant Monthly* 33(1): 48, 50. Jan. 1944. 44.8 C864

11075 TIEDEMAN, E. W. The future of dairy co-ops. *Co-op. Digest* 4(8): 40. Feb. 1944. 280.28 C7896

#### Grading, Inspection, Standardization, and Quality

11076 FREEMAN, R. G., and TOMPKINS, L. J. Certified milk—the food that makes babies grow up strong and healthy. *Certified Milk* 19(213): 3, 15-18. Jan. 1943. 44.8 C33

Deals with supervision, production, distribution, and nutritive qualities.

11077 MINIMUM requirements for a standard [cream] buying station, recommended by National Cream Quality Program. *Creamery Jour.* 55(2): 34. Feb. 1943. 44.8 C96

11078 SLATTER, W. L. Fieldman must sell producers on quality production [of milk]. *Milk Plant Monthly* 33(2): 22-23. Feb. 1944. 44.8 C864

11079 THOMASSON, H. L. Grade A milk. *Ind. State Bd. Health, Monthly Bul.* 47: 272. Nov. 1943. 449.7 In2M

Milk care and handling.

#### Industrial Utilization

11080 HOLLANDS, H. F. Penicillin and the dairy industry. *U. S. Food Distrib. Admin. Market. Activ.* 6(12): 3-4. Dec. 1943. 1.942 ABM34

Use of lactose in the preparation of penicillin.

#### Packing and Packaging

11081 VARGAS, GETULIO. Nova embalagem para a manteiga. *Rev. dos Criadores* 14(14): 39-42. Oct. 1943. 43.8 R32

#### Prices, Price Control, and Rationing

11082 BERGHOLD, W. F. Another milk scandal; the swindle in Biolac [modified milk for infants]. *Rural New-Yorker* 103: 27, 31. Jan. 15, 1944. 6 R88

Milk prices paid by the Borden Company.

11083 COX, R. B. Where is the profit in milk? *Farmer & Stock-Breeder* 57: 2027. Dec. 28, 1943. 10 F228

11084 JOHNSON, STEWART. Milk subsidy, or price increase? [N. Y., Albany County Farm Bur. News 28(12): 6. Dec. 1943. 275.293 N. Y., Albany Co.

11085 JOHNSON, STEWART. Prices paid dairymen higher; feed still higher. [N. Y., Schoharie County Farm Bur. News 28(6): 3. Jan. 1944. 275.293 N. Y., Schoharie Co.

11086 JOHNSON, STEWART. Prices paid farmers for milk. [N. Y., Rensselaer County Farm Bur. News 20(10): 1. Jan. 1944. 275.293 N. Y., Rensselaer Co.

11087 LAUTERBACH, A. H. What is a fair price for dairymen? *East. Milk Prod.* 19(22): 9. Dec. 1, 1943. 280.28 Sh3

11088 PIERCE, C. W. Relatively low milk prices cause production to drop off. *Pa. Agr. Expt. Sta. Sci. for the Farmer* (Bul. 446, Sup. 1), p. 6-7. [1943.] 100 P381

11089 SOCIEDAD RURAL ARGENTINA. Memorial... sobre la situación de los productores de leche. *Indus. Lechera* 25: 579-584. Sept. 1943. 44.8 In26

Milk price regulation.

11090 SPENCER, LELAND. Effect of price ceilings and subsidies on milk production. *North. Farm News* 5(9): 2-5. Dec. 1943. 280.28 N815

11091 U. S. OFFICE OF PRICE ADMINISTRATION. Purchases of milk from producers for resale as fluid milk. *Fed. Register* 9: 611-612. Jan. 15, 1944. 166 F31

Maximum Price Regulation 329, Amend. 17.

#### Processing and Storage

11092 ABBOTT, C. W. Use of butter for commercial ice cream. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 178, 2 p. Pretoria, 1943. 24 So82P

11093 ADAIR, WILLIAM. The case for pasteurized milk; Glasgow's desire to replace Ulster supplies. *Farming News and No. Brit. Agr.* 95(52): 3. Dec. 17, 1943. 10 N82

11094 ARBUCKLE, W. S., and SHEPARDSON, C. N. Texas butter [quality improvement]. *Coastal Cattleman* 9(12): 44. Feb. 1944. 43.8 C63

11095 BAIN, J. M. Ontario cheesemakers have a successful season. *Canad. Dairy and Ice Cream Jour.* 23(1): 42, 44. Jan. 1944. 44.8 Cl62

Advice on overcoming cheese defects.

11096 BELLAIR, T. S. Some more bogies about pasteurization. *Austral. Milk and Dairy Prod. Jour.* 10(11). 5. Nov. 1943. 44.8 Au72

11097 COHN, BERNHARD. El cuajo. *Indus. Lechera* 25: 495-502. Aug. 1943. 44.8 In26

Rennet manufacture, and factors which influence milk coagulation.

11098 DAVIS, J. G. Cheesemaking. *Roy. Soc. Arts Jour.* 92: 77-91. Jan. 7, 1944. 501 L847J

11099 EL-RAFEY, M. S., and RICHARDSON, G. A. The rôle of surface-active constituents involved in the foaming of milk and certain milk products. I. Milk proteins: casein, lactoglobulin, and lactalbumin. II. Whey, skimmed milk, and their counterparts. *Jour. Dairy Sci.* 27: 1-31. Jan. 1944. Ref., p. 15-18, 30-31. 44.8 J822



- 11100 HOECKER, W.H., and HAMMER, B.W. Important factors in flavor development in butter cultures. Iowa State Col. Jour. Sci. 18: 267-275. Jan. 1944. 470 Io9
- 11101 HUSSONG, R. V., QUAM, SIDNEY, and HAMMER, B. W. Observations on fishiness in butter. Jour. Dairy Sci. 27: 45-51. Jan. 1944. 44.8 J822
- 11102 KOSIKOWSKY, F. V. A technical survey of commercial cultured skim milk or buttermilk manufacture in the U. S. Milk Dealer 33(4): 25-27, 44, 46. Jan. 1944. 44.8 M595
- 11103 LEIGHTON, ALAN. Use of whey solids in ice cream and sherbets. Ice Cream Rev. 27(6): 18-19, 58-59. Jan. 1944. 389.8 Ic22
- 11104 LONG, H. F., and HAMMER, B. W. Chlorine resistance of *Pseudomonas putrefaciens* a common cause of the putrid defect in butter. Jour. Dairy Sci. 27: 39-43. Jan. 1944. 44.8 J822
- 11105 MANDT, P. H. Did you ever see a dream working? Natl. Butter and Cheese Jour. 35(2): 8-11. Feb. 1944. 286.85 B98Bu
- Describes cheese factory owned by Kraft Cheese Company at Marshall, Ind., and gives method of cheese manufacture.
- 11106 MERZARI, A. H. Principales microorganismos productores de ácido láctico en la leche. Buenos Aires, Argentina (City). Bolsa de Cereales. Rev. 31(1620): 30-32. Oct. 16, 1943. 287 B866
- 11107 MOGG, A. O. D. Milk tainted by plants. So. African Dairyman 5: 227. Dec. 1943. 44.8 So822
- 11108 NELSON, HERBERT. Quality milk production. Skagit Co-op Dairyman 21(4): 3. Dec. 1943. 280.28 Sk1
- Care and handling.
- 11109 NELSON, J. A. Addition of citric acid to improve the flavor of cultured buttermilk. Milk Dealer 33(4): 32. Jan. 1944. 44.8 M595
- 11110 RENNER, K. M. The present status of the cream improvement program. South. Dairy Prod. Jour. 35(1): 10-11, 14. Jan. 1944. 44.8 So83
- 11111 RIBEIRO, J. A. Teoría e técnica casearias; fabricação de queijos do ponto de vista químico-biológico. (Concl.) Rev. dos Criadores 14(14): 49-50. Oct. 1943. 43.8 R32
- 11112 RIBEIRO, J. A. Tipificación de la materia grasa para quesos. Indus. Lechera 25: 503-509. Aug. 1943. 44.8 In26
- 11113 \*RODRIGUES, H. S., and CUNHA E SOUSA, J. G. DA. Estudo sobre o queijo tipo "Serra da Estrêla"; relatório dos trabalhos realizados em 1941 no posto de laticínios de canas de senhoria. Portugal. Min. da Econ., Dir. Geral dos Serv. Agr., Sér.; Estud. e Inform. Téc. 16, 62 p. Lisboa, 1942.
- 11114 \*SOROKIN, U. M. O protsesse smushcheniya moloka v vakuum-apparatakh (On the process of milk condensation in a vacuum apparatus). Vologda Agr. Inst. Proc. (1942)5: 249-273. 106 V882
- 11115 SPENCER, L. E. Cream production care and handling. So. Austral. Dept. Agr. Jour. 47: 92-93. Sept. 1943. 23 So84
- 11116 STITTS, T. G. Milk solids quota continues at 65 percent...sees no need to cut milk solids further in ice cream manufacture. Ice Cream Field 43(1): 6. Jan. 1944. 389.8 Ic23
- 11117 \*VILEGZHANIN, M. Z. Vyiasnenie prichiny sychmahnoi vialosti moloka (An examination of the cause of poor activity of milk in connection with rennet). Vologda Agr. Inst. Proc. (1942)5: 275-309. 106 V882
- 11118 WILSTER, G. H. Controlling leakiness in butter. Creamery Jour. 55(2): 5, 32-35. Feb. 1944. 44.8 C86
- 11119 WILSTER, G. H. A program for maintaining cheese quality. Natl. Butter and Cheese Jour. 35 (2): 16-17, 30. Feb. 1944. 286.85 B98Bu

- 11120 \*\*ZBINDEN, C. Milk preserves. Schweiz. Med. Wchnschr. 72: 968-970. 1942.
- "Methods of producing condensed milks or milk powders are described." - Brit. Chem. and Physiol. Abs. Nov. 1943, B., III, p. 272. 382 B773

#### Statistics

- 11121 BROWNLEE, B. O. Cream grading in Iowa. Iowa State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 40-53. Des Moines, 1943. 2 Io9R
- Contains statistics of butter production.
- 11122 CARL, L. M. Milk production on Iowa farms in 1942. Iowa State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 26-30. Des Moines, 1943. 2 Io9R
- Contains statistics of milk production and butter production, shipments and receipts.
- 11123 DAVIES, J. L. The production, marketing and supply of milk. Soc. Chem. Indus. Jour. Chem. and Indus., No. 2, p. 10-13. Jan. 8, 1944. 382 M31C
- Contains statistics referring to England and Wales.
- 11124 MILK production and sales Chicago marketing area. Pure Milk 18(1): 8-9. Jan. 1944. 280.28 P97
- Statistics of daily average and total monthly production, Sept. 1939 to Dec. 1943.
- 11125 RICE, E. B. Queensland cheese production. Queensland Agr. Jour. 57: 305-308. Nov. 1943. 23 Q33
- Production statistics and statistics of operations of Queensland cheese factories.

#### FEED AND FORAGE CROPS

- 11126 ALEXANDER, W. H. The index of prices paid by Louisiana dairy farmers for the three most commonly used feeds and for all feeds from Jan. 1941 through Mar. 1943. La. Rural Econ. 5(4): 1, 5. Nov. 1943. 281.8 L93
- 11127 ALLEN, S. V. Temporary duty-free importation of feed grains and feedstuffs into the United States. Canada. Dept. Trade and Com. Com. Intel. Jour. 70(2085): 41-43. Jan. 15, 1944. 286.8 C16
- 11128 BEELER, M. W. Against feed famine. Capper's Farmer 55(2): 18, 49. Feb. 1944. 6 M693
- 11129 CUNNINGHAM, L. C. The flow of feed into New York. N. Y., Albany County Farm Bur. News 28(12): 9. Dec. 1943. 275.293 N. Y., Albany Co.
- 11130 \*DÖSHOFF, G. Der grundfutterbeschaffungs- und verteilungsplan. Mitt. f. die Landw. 58: 520-522. July 3, 1943.
- 11131 ENSMINGER, M. E. The American agricultural dilemma. Rec. Stockman 54(52, 1944 Ann. Ed.): 166-169, 171-172. Dec. 30, 1943. 49 D43
- Problem of balancing livestock population and feed supply.
- 11132 GREEN, C. A. Feed situation. Co-op. Rev. 11(3): 6-7. Feb. 1944. 280.28 P38
- 11133 HEDRICK, LLOYD. The feed outlook now. Checkerboard News 5(6): 4-5. Dec. 1943. 389.78 C41
- 11134 HEDRICK, LLOYD. Why feed prices have gone up. Checkerboard News 5(6): 18-19. Dec. 1943. 389.78 C41
- 11135 KANGAS, J. T. Curtail livestock to conserve feed supply. East. Milk Prod. 19(22): 6. Dec. 1, 1943. 280.28 Sh3
- 11136 LATTIMER, J. E., and HAMILTON, L. R. The feed situation. Macdonald Col. Jour. 4(4): 4-6. Dec. 1943. 101 M144
- Canadian feed supply and prices and requirements.
- 11137 MALTAS, K. J. Distribution of protein feeds. Soybean Digest 4(3): 8-9. Jan. 1944. 60.38 So9



11138 PEARSON, F. A., MEYERS [sic], W. I., and CUNNINGHAM, L. C. A study of the feed supply-demand outlook. *Feedstuffs* 16(3): 46-52. Jan. 15, 1944. 286.81 F322

11139 PETERSON, A. W., and BUCHANAN, M. T. Are we facing a shortage of wheat? If so, what is the answer? *Wash. Farmer* 69(2): 5. Jan. 20, 1944. 6 R151

On the present feed situation.

11140 TUNNELL, C. N. Postwar planning and the feed merchant. *Feedstuffs* 16(5): 15-16. Jan. 29, 1944. 286.81 F322

11141 UPTON, E. W. The commercial progress of dried grass. *Fert. Jour.* 29: 543, 545, 547-549. Dec. 8, 1943. 57.8 F413

Describes progress made in sales of dried grass in Great Britain, its use as feed, and prospects.

11142 WARD, A. L. The case for more cotton. *Prog. Farmer, Tex. Ed.* 59(2): 13. Feb. 1944. 6 T311

States that increased cotton production in 1944 will solve the protein feed shortage.

Also in *Farm and Ranch* 63(1): 21. Jan. 1944. 6 F31

11143 WARD, A. L. The protein situation. *Sheep and Goat Raiser* 24(4): 29. Jan. 1944. 45.8 Sh3

11144 WEIR, C. A. Good farm practice demands forage crops. *West. Farm Leader* 8(24): 2-3. Dec. 17, 1943. 280. 28 W52

11145 YANTIS, H. E. Millfeed distribution. *Northwest. Miller* 217(2): 13. Jan. 12, 1944. 298.8 M81

#### FIBERS AND TEXTILES

11146 ACKERMAN, F. E. Competition between natural and man-made fibers. *Record Stockman* 55(4): 4. Jan. 27, 1944. 286.85 D43

Discusses the wool and rayon industry and chemical and protein fibers.

11147 ALMEIDA, J. L. DE. A economia do algodão norte-americano, em face das novas condições técnicas do mercado. *Ouro Branco* 9(4): 9. Aug. 1943. 72.8 Ou7

Foresees a decline in cotton requirements in the United States at the end of the war.

11148 ALMEIDA, J. L. DE. Os tecidos de algodão sobrepõem a contribuição da matéria prima. *Ouro Branco* 9(3): 9-10. July 1943. 72.8 Ou7

Notes that exports of cotton manufactures have now exceeded exports of the raw material and the results of this.

11149 AREND, A. G. Developments in artificial wool production. *Silk Jour. & Rayon World* 20(235): 23-24. Dec. 1943. 304.8 S13

Artificial wool from milk casein.

11150 BAER, F. L. Fiber developments as viewed from Washington at beginning of year. *Cord Age* 40(6): 7-8, 33. Dec. 1943. 73.8 C812

11151 BARRERA VILAR, JOAQUÍN. Uniformidad en el empaque de henequén. *Sisal de Yucatan* 4(47): 2. Nov. 30, 1943. 73.8 S183

On the importance of uniform packing of henequen for shipment.

11152 BARRETO, U. P. Extrair de fibras da banana-neira. *Chacaras e Quintais* 68: 449. Oct. 15, 1943. 9.2 C34

11153 BECKLEY, V. A. Some indigenous vegetable fibres. *East African Agr. Jour.* 9: 76-80. Oct. 1943. 24 Ea74

Description of the fibers which are, or could be, produced in East Africa.

11154 BERTOLET, E. C. Observations on soil burial procedures. *Amer. Dyestuff Rptr.* 33(1): 21-24. Jan. 3, 1944. 306.8 Am3

Method of testing mildew resistance of jute and osnaburg fabrics used by the U. S. Army Corps of Engineers in sand bag construction.

11155 BERTONE, E. B. Angora rabbit's fiber and sheep's wool. *Small Stock Mag.* 28(2): 4-5. Feb. 1944. 48.8 P442

11156 BOYER, C. M. Rabbit fur makes good "rabbit hats." *Amer. Rabbit Jour.* 13: 167. Nov. 1943. 40.28 Am3

11157 O CAROÁ como fonte de fibras textis. *Rev. Bras. de Química (Ciencia e Indus.)* 16: 184, 186, 188-189. Aug. 1943. 385 R322

Deals with the history of the plant, extraction of the fiber, processing of the fiber, caroá fiber products, and markets and trade.

11158 DAWSON, J. H. Cotton spinning. (To be cont.) *Indian Textile Jour.* 54(638): 71-73. Nov. 1943. 304.8 In2

11159 DE KLERK, J. C. The wool clip at the coast. *Farming in South Africa* 18: 739-742. Oct. 1943. 24 So842

Brings out the advantages of wool classing.

11160 DUPLÁN, L. L. Algodón; su importancia, producción mundial, países productores y su mercado en diversas plazas. (To be cont.) *Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior* 8(11): 9-17. Nov. 1943. 286.8 M575

Includes history and consumption of cotton.

11161 EMERY, A. C. What about Government wool; purchase? *Mont. Wool Grower* 18(1): 19, 34, 36, 43. Jan. 1944. 45.8 M762

11162 ERIKSON, W. B. Possibilities of cooperatives. *Natl. Fur News* 15(12): 5, 23. Jan. 1944. 412.628 R59

History of the Utah Fur Breeders Association.

11163 FAWCETT, C. J. What about Government wool; purchase? *Mont. Wool Grower* 18(1): 19, 34. Jan. 1944. 45.8 M762

11164 FAWCETT, C. J. Why does our Federal Government purchase domestic wool clip? *Wool Sack* 12(6): 2. Dec. 1943/Jan. 1944. 280.25 W88

11165 FAWCETT, C. J. The wool market. *Natl. Wool Grower* 34(1): 22-23. Jan. 1944. 45.8 N21N

Includes discussion of the liquidation of the stockpile of foreign wool owned by the United States, and the Commodity Credit Corporation wool purchase program.

11166 "FLAXMAN." Recent tendencies in linen manufacture. Pt. I--Flax production. *Textile Rec.* 61(729): 44-45. Dec. 1943. 304.8 T311

11167 FRANKE, PAUL. Another good step forward. *Acco Press* 22(1): 1-5. Jan. 1944. 6 Ac2

Cotton-fiber testing.

11168 FRANZ, E., and others. Zur gewinnung synthetischer fasern aus proteinen und proteinähnlichen körnern. I. Einbau von brücken in eiweissfasern. *Jour. f. Prakt. Chem. (N. F.)* 160: 133-165. June 9, 1942. 384 J82

K. Riederle, F. Fleischmann, and W. Winkler, joint authors.

Includes casein fibers.

11169 THE FUTURE of wool. *Austral. Inst. Agr. Sci. Jour.* 9: 154-162. Dec. 1943. 23 Au74

1. Developments in synthetic fibres, by A. R. Penfold; 2. Safeguarding the future of the wool industry, by I. Clunies Ross.

11170 HARRINGTON, J. B. The flax situation. *Canad. Seed Growers' Assoc. Sask. Branch. Ann. Meeting. Rpt. (1943)* 14: 18-24. 61.9 O16R



11171 **ICK-HEWINS, S.** The future of wool; graziers' optimism. *Country Life* [Sydney] 55(24): 11. Dec. 10, 1943. 286.85 Sy2

11172 **INTERNATIONAL HARVESTER CO.** The war hemp program. *Farm Impl. News* 65(2): 28-29. Jan. 20, 1944. 58.8 F22

11173 **JOHNSTON, ALEXANDER.** Wool grades. *West. Farm Life* 46(1): 111, 117. Jan. 1, 1944. 6 H153

11174 **JONES, J. M.** Disposal of stockpile wool. *Natl. Wool Grower* 34(1): 11-12. Jan. 1944. 45.8 H21N

11175 **\*KAHL, RICHARD.** Faseruntersuchungen. (To be concl.) *Monatschr. f. Textil Indus.* 57: 216-218. July/Aug. 1942. 304.8 L53

Includes various fiber tests.

11176 **LACEY, J. J.** Grow right--shear right--sell right. *Wool News* 9(6): 10. Jan. 1944. 280.28 W882

Suggestions on growing, shearing, packing, and selling of wool.

11177 **LANG, W. R.** Some aspects of the occurrence and significance of hairy fibres in Australian wools. *Gordon Inst. Technol. Pub.* 3, 26 p. Geelong, Victoria, 1942. Ref. 304.9 G65

11178 **LEE, F. W.** Wool in war and in the peace. *N. Mex. Stockman* 9(1): 42-44, 50. Jan. 1944. 49 W462

11179 **LINCOLN, RENÉ.** L'industrie de l'aloès à Maurice. *Rev. Agr. de l'île Maurice* 22: 174-184. July/Aug. 1943. 24 M44

11180 **LINK, PABLO.** El futuro de la lana. *Res* 11: 15.067-15.070. Oct. 20, 1943. 286.85 R31

Chapter from the writer's book "El Futuro de la Lana." Discusses the factors which will affect the post-war wool industry.

11181 **MAHTA, D. N.** Recent advances in Indian cotton production. *Indian Textile Jour.* 54(638): 60-62. Nov. 1943. 304.8 In2

Includes regulation of cotton markets, the Cotton Transport Act, and Indian mill demand for cotton.

Also in *Textile Mfr.* 69: 546, 547. Dec. 1943. 304.8 T3126; *Textile Rec.* 61(729): 42-43. Dec. 1943. 304.8 T311

11182 **MARRINER, K. W.** Government sale of U. S. stock-pile of foreign wool. *Record Stockman* 55(4): 4. Jan. 27, 1944. 286.85 D43

11183 **MARSH, J. T., and WOOD, F. C.** Cellulose textile chemistry. *Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem.* (1942) 27: 121-142. London, 1943? 382 M31R

Surveys the literature of chemical research.

11184 **MAUERSBERGER, H. R.** Progress in new synthetic textile fibres. *Silk Jour. & Rayon World* 20 (235): 32-33, 30. Dec. 1943. 304.8 S13

Extracts from an address which takes up casein, soy bean, and peanut protein fibers.

11185 **PEDRAZA, ROBERTO.** Algodón. *Vida Rural* 5(52): 28. Nov. 1943. 9.4 V66

The measurement of cotton quality.

11186 **\*POPP, R.** Untersuchungen aus der praxis der langstapelferspinnung in der baumwollspinnerei. *Monatschr. f. Textil Indus.* 57: 157-160. June 1942. 304.8 L53

11187 **PULP production in post war Britain.** *Paper-Maker and Brit. Paper Trade Jour. Ann. No.*, v. 106, p. 4-7. 1943. 302.8 P1922

Esparto, by S. R. H. Edge; Straw, by F. W. Bailey.

11188 **RAMIE--new U. S. crop & industrial fiber.** *Mod. Indus.* 7(1): 114, 116, 119, 121. Jan. 15, 1944. 280.8 M72

11189 **\*RAUCH, W.** Natur- und kunstseiden. *Umschau* 47: 108-110. Mar. 17, 1943. 474 Um7

The chemistry of the fibers.

11190 **RICHARDS, R. E.** The manager's annual report. *Wool News* 9(6): 6-9. Jan. 1944. 280.28 W882

Report on work of Wisconsin Co-operative Wool Growers Association during 1943.

11191 **RIVAS CAMACHO, SANTIAGO.** Calidad del algodón. *Vida Rural* 5(51): 4. Oct. 1943. 9.4 V66

Grades of Colombian cotton fiber.

11192 **ROCKY Mountain National Fur Growers Assoc.** marketing program. *Natl. Fur News* 15(11): 17. Dec. 1943. 412.628 R99

11193 **RODRÍGUEZ REBOLLAR, J.** Desmote y estadística algodonera de Formosa [Argentina]. *Gac. Algodonera* 20(237): 26-27. Oct. 31, 1943. 72.8 G11

11194 **ROSS, I. C.** The wool industry and the post-war world. (To be cont.) *Past. Rev.* 53: 802-803. Dec. 16, 1943. 23 Au75

The post-war industry in Australia.

11195 **\*SCHRAMMEK, W., and STENZEL, ANNELIES.** Über die quellung und den auflösungsmechanismus von xanthogenierten natroncellulosefasern. (3., 5. mitteilung.) *Monatschr. f. Textil Indus.* 57: 13-17, 43-47, 310-315. Jan.-Feb., Nov. 1942.

11196 **\*SCHRAMMEK, W.** Unterscheidungsmerkmale der zellwollen. (II. mitteilung.) Die deutschen zellwollen im jahre 1941. Eine übersicht über die technologischen und chemischen eigenschaften der haupterzeugnisse der deutschen zellwollproduktion. (To be concl.) *Monatschr. f. Textil Indus.* 57: 199-212, 245-252. July/Aug., Sept. 1942. 304.8 L53

In cooperation with K. Biltz, F. Hempel, W. Schultz W. Simon, and H. A. Wannow.

11197 **SHERMAN, J. V.** The coming battle of fibers. *Wyo. Wool Grower* 18(2): 5-7. Jan. 27, 1944. 280.38 W99

Natural vs. synthetic fibers.

11198 **SOYBEAN fiber, now in commercial production.** *Soybean Digest* 4(3): 8. Jan. 1944. 60.38 So9

11199 **SPECIFICATIONS for classes I, II, III, and IV of hemp straw under U. S. war hemp program.** *Cord Age* 40(6): 10, 12, 28. Dec. 1943. 73.8 C812

11200 **STAUDINGER, MAGDA.** Der fibrilläre bau natürlicher und künstlicher cellulosefasern; 299. mitteilung über makromolekulare verbindungen. *Jour. f. Prakt. Chem.* (N. F.) 160: 203-216. June 9, 1942. 384 J82

Analysis of cotton and ramie and artificial fibers.

11201 **WARD, A. L.** Cotton and cattle are strong "right hand" of Texas agriculture. *Tex. Prog.* 3(1): 12, 19. Jan. 1944. 280.8 T313

Urges an increase in Texas' production of cotton.

11202 **WHEWELL, C. S.** The protein fibres. *Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem.* (1942) 27: 106-120. London, 1943? 382 M31R

Surveys recent research in wool and protein rayon and related fibers.

11203 **\*WIGGLESWORTH, ALFRED.** Situation and prospects of the sisal industry. *Crown Colonist* 13(139): 427-428. June 1943.

Noted in *Current Geog. Pub.* (Amer. Geog. Soc.) 6 (7): 193, processed, Sept. 1943. (241.6 Am3)

11204 **ZELOMEK, A. W.** Wool outlook. *Calif. Wool Grower* 19(52): 3. Dec. 28, 1943. 45.8 C12

#### FRUITS, VEGETABLES, AND NUTS

11205 **ASHTON, C. D.** They took the 'razz' out of raspberries. *Utah Farmer* 63(10): 7. Jan. 10, 1944. 6 D45

Gives an account of the organization and activities of the Utah Berry Grower's Association.

11206 **ATKINS, C. D., MOORE, E. L., and HEID, J. L.** Tangerine juice products. *Fruit. Prod. Jour. and Amer. Food Mfr.* 23: 132-134, 152-153, 157. Jan. 1944. 389.8 F94



- 11207 BAILEY, H. S. Concentrated juices. *Inst. Food Technol. Proc.* 1943: 37-44. 389.9 In7
- 11208 BERGESON, V. A. Prepare for lean years to come. *Utah Farmer* 63(10): 11. Jan. 10, 1944. 6 D45
- The fruit situation in Utah in 1943.
- 11209 EASTERBROOK, L. F. British truck farms do war job. *Market Growers Jour.* 73(1): 26, 29, 30. Jan. 1944. 6 M34
- Expansion in vegetable production in Great Britain.
- 11210 ECTON, P. T. Louisiana's leadership in sweetpotatoes. *La. Rural Econ.* 5(4): 4-5. Nov. 1943. 281.8 L93
- 11211 EVANS, O. R. Four million dollars worth of blueberries. *Canad. Business* 17(1): 46-47, 112. Jan. 1944. 287 C162
- Surveys the Canadian blueberry industry.
- 11212 HAMILTON, H. G. War Food Administration and the citrus industry. (To be cont.) *Citrus Indus.* 25(2): 5, 8, 16. Feb. 1944. 80 C49
- 11213 HARKER, J. B., and COLE, G. M. Better technics recommended for determining citrus solids. *Food Indus.* 16(2): 93, 151. Feb. 1944. 389.8 F737
- 11214 HENDERSON, H. W. Huge as is American potato crop, it is not too great. *Wyo. Stockman-Farmer* 50(1): 13. Jan. 1944. 6 W992
- 11215 JUNGINGER, A. R. Second war conference of V. G. A. of A. (Vegetable Growers Association of America) accomplishes much. *Market Growers Jour.* 73(1): 10, 21. Jan. 1944. 6 M34
- Food production for 1944 and cooperation with the war effort was the theme of the meeting.
- 11216 \*KOWARSCH, JOSEPH. Aus der praxis. Ur-sachen der fehler bei der Reimannschen stärkebestimmung und ihre vermeidung. *Ztschr. f. Spiritusindus.* 65: 128. Nov. 19, 1942.
- Describes a method for the determination of starch in potatoes.
- 11217 LYON, A. V. Field for industry expansion. *Citrus News* 19: 164-165. Nov. 1943. 80 C494
- Possibilities for development of citrus industry in the Murray Valley irrigated areas, Australia.
- 11218 MASUROVSKY, B. I. Oranges and their use in sherbets and ices. *Ice Cream Trade Jour.* 40(1): 34, 54. Jan. 1944. 389.8 Ic2
- 11219 MILLER, G. R. Government controls in the fruit industry. *East. Fruit Grower* 6(11): 4, 14-16, 19. Jan. 1944. 80 Ea73
- 11220 MOTZ, F. A. The world fruit situation and post-war problems. *Amer. Fruit Grower* 64(1): 5-9, 16, 29. Jan. 1944. 80 G65
- 11221 OWENS, J. B. Florida truck crop news, report as of Jan. 1, 1944. *For Sale, Rent and Exchange Bul.* 1(8): 2. Jan. 15, 1944. 280.38 F74
- 11222 ROKACH, ISAAC. The return of the "Jaffas" Palestine and Middle East 15: 154-155. Oct. 1943. 286.8 P172
- Brings out the revival of the Palestine citrus industry and the need for a post-war program.
- 11223 SANTOS, JOSE. Viñedos en el Sur. *Rev. de Agr. [Dominican Rep.]* 34: 386-387. Mar./Apr. 1943. 8 R323
- Opportunities for vineyard production in the South of the Dominican Republic, noting industrial uses for the grapes and financial advantages of production.
- 11224 TAYLOR, P. R. 1944 outlook in fresh fruits, vegetables. *Super Market Merchandising* 9(1): 65-69. Jan. 1944. 389.8 Su7
- 11225 THOMAS, W. P., and BLANCH, G. T. (Utah) 1943 fruit production and income favorable. *Utah Farmer* 63(10): 6. Jan. 10, 1944. 6 D45
- 11226 WHO RUNS B. C.'s tree fruit industry? *Country Life [Brit. Columbia]* 28(1): 32. Jan. 1944. 7 C832
- A chart showing the organization of the B. C. Fruit Growers' Association, with commentary by A. K. Loyd.
- 11227 \*WOLFF, OTTOMAR. Eine schnellmethode zur bestimmung des trockensubstanzgehaltes und des füllbaren eiweisses im kartoffelfruchtsaft. *Ztschr. f. Spiritusindus.* 65: 87. July 30, 1942.
- 11228 WOOSTER, C. G. 1944 vegetable program. *Market Growers Jour.* 73(1): 12, 25. Jan. 1944. 6 M34
- Distribution, Marketing, and Transportation
- 11229 BERRY, VIRGINIA. Food markets save garden surplus. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(1): 15. Jan. 1944. 1 Ex892Ex
- 11230 CROCE, F. M. Exportación de frutas desecadas. Mendoza, Argentina. *Dir. de Indus. y Fomento Agr. Bol. Agr.* 11: 105-107. Apr./June 1943. 9 M52B
- Export prospects and situation for Mendoza Province.
- 11231 LEWIS, C. L., JR. Orderly marketing. *Cranberries* 8(9): 12, 14. Jan. 1944. 80 C852
- Cooperative marketing of cranberries.
- 11232 RUIZ RODRIGUEZ, RAFAEL. Realidad que se impone. *Ceres* 4(41): 21. Nov. 1, 1939. 15 C33
- On the tax-free movement and sale of vegetables in Spain.
- 11233 SHOWERS, BYRON. Grapefruit marketing. *Calif. Citrog.* 29: 95, 98. Feb. 1944. 80 C125
- 11234 WALKER, ROBIN. Britain's citrus imports are strictly allocated. *Citrus Mag.* 6(7): 8-9. Jan. 1944. 80 C496
- 11235 WHEELER, R. L. The marketing of Nova Scotia apples. *Canad. Hort. and Home Mag. Growers' Ed.* 67(1): 7. Jan. 1944. 80 C16
- Grading, Inspection, Standardization, and Quality
- 11236 HASTINGS, R. C. What certified seed means to potato production. *Potato World* 13(1): 3, processed. Jan. 1944. 286.83 P84
- Industrial Utilization
- 11237 MARSH, G. L. Recovery of tartrates from winery wastes. *Inst. Food Technol. Proc.* 1943: 183-195. 389.9 In7
- 11238 THE UTILIZATION of citrus residues. *Austral. Council Sci. and Indus. Res. Food Preserv. Quart.* 3: 34-42, processed. Sept. 1943. 389.9 Au77
- 11239 \*\*WEBER, G. L. Plastics from citrus waste. *Pacific Plastics*, v. 1, p. 5. Oct. 1943.
- Listed in *Plastics Trends* 4(1): 4. Jan. 1, 1944. 309.8 P692
- Packing and Packaging
- 11240 CARPENTER, G. A. The outlook for fruit and vegetable containers for 1944. *Utah Farmer* 63(10): 17. Jan. 10, 1944. 6 D45
- 11241 HAUCK, C. W. The fruit and vegetable container situation in Ohio. *Ohio. State Univ. Dept. Rural Econ. and Rural Sociol. Mimeog. Bul.* 172, 26 p. Columbus, 1944. 281.9 Oh32
- Prices, Price Control, and Rationing
- 11242 ADAIR, WILLIAM. Overhauling of potato control. *Farming News and North Brit. Agr.* 95(53): 3. Dec. 24, 1943. 10 N82
- Considers revisions in potato prices.
- 11243 AUSMAN, L. H. Seed potato ceiling prices in the United States. *Canada Dept. Trade and Com. Com. Intel. Jour.* 70: 27-28. Jan. 8, 1944. 286.8 C16
- 11244 U. S. OFFICE OF PRICE ADMINISTRATION. Pure raspberry syrup. *Fed. Register* 9: 458. Jan. 12, 1944. 169 F31
- Revised Supplemental Regulation 14 to General Maximum Price Regulation, Amend. 80.



11245 U. S. OFFICE OF PRICE ADMINISTRATION. Sales of citrus fruits by packers, brokers, auction markets, terminal sellers and intermediate sellers. Fed. Register 9: 455. Jan. 12, 1944. 169 F31  
Maximum Price Regulation 292, Amend. 9.

#### Processing and Storage

11246 ARANGO, RODOLFO. Pimientos en conserva. Agr. Mod. [Havana] 1(1): 11. June 1943. 8 Ag882  
The preserving of peppers.

11247 BACTERIAL contamination of canned vegetables by blanching equipment. Austral. Council Sci. and Indus. Res. Food Preserv. Quart. 3: 54-55, processed. Sept. 1943. 389.9 Au7F

11248 BRANHAM, B. T. Preserver reports success with 902 preserved citrus pulp. Food Indus. 16(1): 79, 117-118. Jan. 1944. 389.8 F737

11249 BROWN, H. D. Proper blanching assures good results in freezing fruits and vegetables. Quick Frozen Foods 6(6): 50-51, 54. Jan. 1944. 389.8 Q4

Vegetables and fruits suitable for freezing are listed, and directions for freezing are given.

11250 BUCK, R. E., BAKER, G. L., and MOTTERN, H. H. Pectinates, sic, improve frozen fruit. Food Indus. 16(2): 100-102, 134. Feb. 1944. 389.8 F737

11251 CALDWELL, J. S., CULPEPPER, C. W., and SCOTT, D. H. Varietal suitability for dehydration in eastern freestone peaches. (Concl.) Fruit Prod. Jour. and Amer. Food Mfr. 23: 136-142, 151. Jan. 1944. 389.8 F94

11252 CROCE, F. M. La deshidratación de alimentos y la guerra; la desecación de frutas y hortalizas en Mendoza. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(764): 27-30. Nov. 15, 1943. 287 R71

11253 CROCE, F. M. Elaboración de jugo de manzana. Hacienda 39(1): 48. Jan. 1944. 6 H11  
11254 CROCE, F. M. Elaboración del jugo de cerezas. (To be cont.) Agrario [Santiago, Chile] 8(325): 9, 32. Oct. 11, 1943. 9.3 Ag85

11255 CROCE, F. M. Preparación de aceitunas al natural. Mendoza, Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr. 11: 108-110. Apr./June 1943. 9 M52B

Preparation and bottling of green and ripe olives.

11256 CRUESS, W. V., and others. Effect of sulfiting on temperature in dehydration of vegetables. West. Canner and Packer 36(1): 45. Jan. 1944. 286.83 W522

E. G. Balog, H. F. Friar, and Marion Law, joint authors.

11257 CRUESS, W. V., SMITH, MILDRED, and BALOG, E. G. Enzyme reactions in dehydrated potatoes. Fruit Prod. Jour. and Amer. Food Mfr. 23: 135, 155. Jan. 1944. 389.8 F94

11258 CRUESS, W. V., SMITH, MILDRED, and BALOG, E. Significance of peroxidase test in dehydrated potatoes. Canner 98(6): 13, 30. Jan. 8, 1944. 286.83 C16

11259 CRUESS, W. V. What dehydrators of carrots should do to get quality. Food Indus. 16(1): 73-75, 129. Jan. 1944. 389.8 F737

11260 DAVIS, M. E., and HOWARD, L. B. Effects of varying conditions on the reconstitution of dehydrated vegetables. Inst. Food Technol. Proc. 1943: 143-155. 389.9 In7

11261 DISCOLOURATION of lye-peeled carrots. Austral. Council Sci. and Indus. Res. Food Preserv. Quart. 3: 53-54, processed. Sept. 1943. 389.9 Au7F

11262 ETCHHELLS, J. L., JONES, I. D., and HOFFMAN, M. A. Brine preservation of vegetables. Inst. Food Technol. Proc. 1943: 176-182. 389.9 In7

11263 ETCHHELLS, J. L., and JONES, I. D. Pasteurization of pickle products. Canner 98(9): 28, 64. Jan. 29, 1944. 286.83 C16

U. S. Bureau of Agricultural and Industrial Chemistry and Department of Horticulture, North Carolina Agricultural Experiment Station, cooperating.

11264 GAYLORD, F. C., and FAWCETT, K. I. Tomatoes by appointment. Canner 98(9): 34-36, 84, 86. Jan. 29, 1944. 286.83 C16

Delivery of tomatoes to canning factories.

11265 \*GOTZE, W. Die wirtschaftliche bedeutung des kartoffelstärke- und trocknungsgewerbes im kriege. Ztschr. f. Spiritusindus. 65: 133. Dec. 3, 1942.

11266 GREGG, O. I. Are your stored vegetables all right? Hort. News 10(1): 6. Jan. 1944. 80 H7815

11267 GUENDULAIN. Conservación de higos; procedimiento Imbert. Vinos, Viñas y Frutas 39: 131. Sept. 1943. 9 Ag89

11268 HANKINSON, HAZEL. Victory garden vegetables at their quick freezing best. Quick Frozen Foods 6(6): 45, 60. Jan. 1944. 389.8 Q4

11269 HANNAFORD, D. W. Dehydration of apples. So. Austral. Dept. Agr. Jour. 42: 92. Sept. 1943. 23 So84

11270 JUGO de naranjas y pomelos. Chacra 14 (157): 40-42, 61. Nov. 1943. 9 C34

Extraction, bottling, and processing of orange juice.

11271 KLEIN, PAUL. Influencia del descenso de la temperatura en los vegetales en estado de vida pasiva. Campesino [Santiago, Chile] 75: 646. Oct. 1943. 9.3 So12

Process of drying and of freezing briefly described.

11272 \*KRÖNER, WALDEMAR, and LAMEL, HERBERT. Das reduktionsvermögen der kartoffel gegenüber 2,6-dichlorphenol-indonphenol bei der scheibentrocknung. Ztschr. f. Spiritusindus. 65: 37-38; 43-44. Mar. 26, Apr. 9, 1942.

11273 \*KRÖNER, WALDEMAR, LAMEL, HERBERT, and SATTELBERG, CHARLOTTE. Das reduktionsvermögen der kartoffel gegenüber 2,6-dichlorphenol-indonphenol bei der scheibentrocknung. 2. mitteilung: betriebsversuche. Ztschr. f. Spiritusindus. 65: 65. June 4, 1942.

11274 \*LAMEL, HERBERT. Die durchführung der behelfsmässigen herstellung von trockenspeisekartoffeln. Ztschr. f. Spiritusindus. 65: 107. Sept. 24, 1942.

Preparation and drying of potatoes.

11275 \*LAMPE, B., and ROEHMICH, E. Kartoffelwäsche und spiritusausbeute. Ztschr. f. Spiritusindus. 65: 47-48, 49-50. Apr. 23, 1942.

Study of the effect of earth and clay impurities in potato mashes upon yields of spirit of wine.

11276 MAKOWER, BENJAMIN, and MYERS, SARAH. A new method for the determination of moisture in dehydrated vegetables. Inst. Food Technol. Proc. 1943: 156-164. 389.9 In7

11277 MUELLO, A. C. Conservación de limones; diversos métodos para conservarlos al natural; preparación de jugo. Pampa Argentina 17(195): 17. Nov. 1943. 9 P19

11278 NEUSBAUM, C. W. Quality control of tomato products. 2. Tomato juice. Canner 98(10): 18, 20, 22. Feb. 5, 1944. 286.83 C16

11279 NEUSBAUM, C. W. The quality of tomato products. (To be cont.) Canner 98(9): 30, 32, 86. Jan. 29, 1944. 286.83 C16

11280 NOBLE, K. F. Fruit-packing industry in Australia. Canada Dept. Trade and Com. Com. Intel. Jour. 70: 23-25. Jan. 8, 1944. 286.8 C16

Data on 1943 pack of canned fruits, specifically apricots, peaches, pears, pineapples, berry fruits, and jams and fruit pulps.



- 11281 PEDERSON, C. S. Some new problems in sauerkraut manufacture. *Inst. Food Technol. Proc.* 1943: 170-175. 389.9 I17
- 11282 PEILE, R. M. Do your own fruit bottling; an inexpensive method. *Victoria. Dept. Agr. Jour.* 41: 601-602. Dec. 1943. 23 V66J
- 11283 POWELL, A. A. Storage of onions. *New Zeal. Jour. Agr.* 67: 321-324. Nov. 15, 1943. 23 N48J
- 11284 PRIEGO, J. M. Aceitunas de conserva y los olivos de fruto de mesa. (Cont. and to be cont.) *Vinos, Viñas y Frutas* 38: 170-171. Oct. 1943. 9 Ag89  
Processing methods.
- 11285 SHULTZ, JUAN. Conservación de las papas. *Campo y Arados* 7(81): 22-23. Nov. 1943. 9.9 C152  
Methods of storing potatoes.
- 11286 SMOCK, R. M. Air conditioned apples. *Amer. Fruit Grower* 64(1): 7, 21-23. Jan. 1944. 80 G85  
"Controlled atmosphere storage" of apples.
- 11287 TIMMONS, D. E. War demand keeps Florida citrus canners busy. *Fla. Grower* 52(1): 5, 13-14. Jan. 1944. 80 F6622
- 11288 TINDALE, G. B. Fruit quality in the shops; suggested use for a ripening chamber. *Victoria. Dept. Agr. Jour.* 41: 581-583. Dec. 1943. 23 V66J  
Method of offsetting loss in eating quality caused by premature harvesting of fruit.
- 11289 TORTOSA VIALS, PIO. Aceitunas de mesa. *Vinos, Viñas y Frutas* 39: 136, 139, 140. Sept. 1943. 9 Ag89  
Preparation of green and ripe olives.
- 11290 TRESSLER, D. K., PEDERSON, C. S., and BEATTIE, H. G. Fruit and vegetable juices, preparation and preservation. *Fruit World and Market Grower* 44(12): 6. Dec. 6, 1943. 80 F948
- 11291 TRESSLER, D. K. Selecting vegetable varieties for quick freezing. *Flower Grower* 31: 82, 104-105. Feb. 1944. 80 M72
- 11292 VEIGA, VINÍCIO DA. A industrialização da laranja no Brasil. *Chacaras e Quintais* 68: 425-427. Oct. 15, 1943. 9.2 C34  
Processing of oranges and production of orange turpentine.
- 11293 WATSON, G. H. Sweet potatoes processed for Army. *Heating and Ventilating* 41(1): 65-66. Jan. 1944. 291.8 H35  
Dehydrating equipment and procedure at King Pharr Co., Cullman, Ala.

#### Statistics

- 11294 \*DAHMS, E. Die stellung des kartoffelbaues innerhalb Europas. *Ztschr. f. Spiritusindus.* 65: 132, 133, 134. Dec. 3, 1942.  
Includes statistics for area and yields of potatoes in European countries 1929/33 and 1934/38.
- 11295 KRONE, P. R. Michigan's Victory gardens produce half of State's vegetables. *Hort. News* 10(1): 2. Jan. 1944. 80 H7815  
Includes production estimates.
- 11296 MONOGRAFÍAS comerciales: Haba. *Mex. Sec. de Agr. y Fomento. Dir. de Econ. Rural. Bol. Mens.*, No. 212, p. 1482-1502. Jan. 1944. 254.5 Ag83  
Includes production statistics, domestic consumption and trade, and foreign trade of Mexico, and world trade.

#### GRAIN AND GRAIN PRODUCTS

- 11297 AMOS, A. J. The milling industry; progress in 1943. *Food Manufacture* 19(1): 19-21. Jan. 1944. 389.8 F736  
Includes discussion of flour fortification.

- 11298 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. Ha sido reglamentada la exportación de granos. *Buenos Aires, Argentina. Bolsa de Cereales. Rev.* 31(1623): 8, 23. Nov. 6, 1943. 287 B866
- 11299 ARGENTINE grain marketing co-operatives. *Argentina. Natl. Grain and Elevator Comm. Inform. Bul.* 4(2): 28-30. June 30, 1943. 286.81 Ar3A
- 11300 BATH, T. H. A huge wheat carryover in U. S. A. *Primary Prod. [Perth, W. Austral.]* 28(15): 3. Apr. 22, 1943. (Wheat Notes and Comments) 23 P932  
Includes parity price policy.
- 11301 BREDE, FREDERICK. Milling in Colombia, S. A. *Amer. Miller* 72(1): 106, 202-203. Jan. 1944. 298.8 Am32
- 11302 CARRADÓ, FALIERO. La calidad de las harinas y del pan que se consumen en nuestro país. *Buenos Aires, Argentina. Bolsa de Cereales. Rev.* 31(1620): 1-2, 4-6. Oct. 16, 1943. 287 B866
- 11303 A CONTROLLED grain program. *Cracker Baker* 33(1): 29-30, 44. (Concl.) Jan. 1944. 389.8 C84  
Prepared by Grain Products Branch, U. S. Food Distribution Administration, in co-operation with representatives of the wheat flour and wet corn milling industries.
- 11304 CORN cannery waste effectively disposed. *Food Packer* 25(2): 28-29, 64. Feb. 1944. 286.83 C165
- 11305 EIFORT, JACK. The Government wheat situation. *Coop. Poultryman* 9(1): 6. Jan. 1944. 47.8 C782  
Distribution of Government-owned wheat for feed.
- 11306 FARRELL, W. F. New flour enrichment program. *Assoc. Oper. Millers. Bul.*, Jan. 1944, p. 1330. 298.9 As7
- 11307 FRIEDEL, M. M., and DAVIS, W. J. Memorandum on control of flour quality. *Amer. Miller* 72(1): 220-222, 226. Jan. 1944. 298.8 Am32
- 11308 \*FRITSCH, EUGEN. Die getreide- und mehlverbesserung auf neuer grundlage. *Mehl und Brot* 43: 53-55. Feb. 5, 1943.  
Describes a new process for treating the whole grain so as to improve it for flour manufacture.
- 11309 \*HOPF, LEO. Die säuberung von rogggen und weizen vor dem waschen und netzen und die scharfe trennung von reinigungsstauben und mehl. *Mühle* 80: 64. Jan. 29, 1943.
- 11310 HOPKINS, R. H. Wartime brewing problems in Great Britain. *Wallerstein Labs. Commun.* 6: 153-159. Dec. 1943. 390.9 W15  
Discusses reductions in supplies of brewers' grains.
- 11311 \*JOHANN, WERNER. Preisberechnung für kuchenfertiges mehl. *Mehl und Brot* 43: 139. Mar. 26, 1943.
- 11312 JOHNSON, M. A. Postwar possibilities for the milling industry. *Northwest. Miller* 217(2, sect. 2): 3a, 20a. Jan. 12, 1944. 298.8 N81  
Based on an interview with T. A. Rozsa, of the Ismert-Hincke Milling Co., Topeka, Kans.
- 11313 JURKOW, JULIUS. Ash and protein contents of wheat and flour. *Amer. Miller* 72(1): 94-95, 212. Jan. 1944. 298.8 Am32
- 11314 \*KALNING, HARALD. Allgemeines über die eiweissstoffe im brotgetreide und den weizenkleber. *Mehl und Brot* 43: 137-138. Mar. 26, 1943.  
On the chemistry of the protein in wheat grain and wheat gluten.
- 11315 \*KALNING, HARALD. Bedeutung der feuchtigkeitsbestimmung in getreide, mehl und brot. *Mehl und Brot* 43: 89-90. Feb. 26, 1943.
- 11316 KAUFFMAN, C. S. A controlled grain program. *Brewers Digest* 19(1): 35-36, 40. Jan. 1944. 390.8 B75



11317 KEARNEY, C. F. World's biggest bread consumer. Northwest. Miller 217(5): 34-37. Feb. 2, 1944. 298.8 N81

Bakery operations of the U. S. Army.

11318 \*L., R. A. Höhere leistungen in der getreideübernahme. Mühle 80: 90-91. Feb. 12, 1943. Handling of grain when it is received at the mill.

Reply published in issue for Mar. 26, 1943, p. 181.

11319 MARUCCO, GUIDO. Molinería italiana: técnica de la moliitura. Ceres 4(40): 21-23. Oct. 1, 1939. 15 C33

Translated from the Italian by Fernando Allué y Morer.

11320 MILLER, E. S. "Direct-utilization foods." Amer. Miller 72(1): 80-87, 90, 92, 120. Jan. 1944. 298.8 Am32

Milling of oats.

11321 MINARY, T. H. The cost of drying grain. Grain & Feed Jours. Consolidated 91: 512-514. Dec. 22, 1943. 298.8 G762

11322 O'BRIEN, P. R. Fast shifting changes marked the year 1943 in the grain trade. Feed Bag 20(1): 32, 84. Jan. 1944. 389.79 F32

Also in Natl. Grain Jour. 28(2): 8. Jan. 1944. 298.8 C83; Grain and Feed Jours. Consolidated 92(1): 14. Jan. 12, 1944. 298.8 G762

11323 ORTEGA, POMPILIO. Cooperativas agrícolas para el comercio de granos. Coop. Agr. 4(39): 1, 3. Jan. 1943. 8 H752

Refers to Honduras.

11324 \*PELSHENKE, P. Die forschung im dienste der brotqualität; aus der arbeit der Reichsanstalt für Getreidearbeit. Wiener Landw. Ztg. 92: 155, 156. June 6, 1942.

Importance of the grain research work of the Reichsanstalt.

11325 \*PELSHENKE, P. Was will die arbeitsgemeinschaft zur förderung von wissenschaft und technik in der getreideverarbeitung? Mehl und Brot 43: 103. Mar. 5, 1943.

11326 PURDY, R. D. Wheat Pool accomplishments. West. Farm Leader 9(1): 2. Jan. 7, 1944. 280.28 W52

Deals chiefly with the Alberta Wheat Pool.

11327 RICE MILLERS' ASSOCIATION, comp. Estimate of 1943 rice crop. Rice Jour. 47(1): 9-10. Jan. 1944. 59.8 R36

11328 SÁNCHEZ BUENO, R. J. Molinería técnica: acondicionado del trigo, calor y humedad ambiente. Ceres 4(40): 37. Oct. 1, 1939. 15 C33

11329 \*SCHMORL, KARL. Die zusammensetzung von weizen, roggen und gerste. Mühle 80: 50. Jan. 22, 1943.

11330 SEARLE, S. A. Canadian grain trade functions in wartime. Weekly Market News & Mod. Farmer 22(4): 2, 3. Jan. 26, 1944. 286.81 G762A

11331 STROWD, W. H. Phosphorus: Destroyer in war and builder in peace. Amer. Miller 72(1): 135, 140. Jan. 1944. 298.8 Am32

Nutritional importance of phosphorus, and its use in enrichment of flour.

11332 TROPP, C., and WEYER, F. G. Veränderung bei der lagerung von vollkornschroten. Biochem. Ztschr. 315: 293-302. Sept. 4, 1943. 384 B522

Reports experiments over an 11-month period to note changes in rye during storage.

11333 U. S. OFFICE OF PRICE ADMINISTRATION. Flour from wheat, semolina and farina sold by millers blenders, primary distributors and flour jobbers. Fed. Register 9: 576. Jan. 14, 1944. 169 F31

Revised Maximum Price Regulation 296, Amend. 1.

11334 WALDRON, J. H. Food--and the war. Amer. Miller 72(1): 75-77, 221-222, 226. Jan. 1944. 298.8 Am32

Contribution of the milling industry to the war.

11335 WILLIAMS, R. R. Enrichment in the postwar period. Amer. Miller 72(1): 78, 206, 208, 218-219. Jan. 1944. 298.8 Am32

Enrichment of flour and bread.

11336 WOOLLEY, D. P. An OPA administrator talks to bakers--about bakers. Bakers Weekly 121(6): 37-38. Feb. 7, 1944. 389.8 B172

Regulation of prices of bakery products.

11337 WRIGHT, C. W. Grain field gleanings. Oreg. Dept. Agr. Agr. Bul. 140, p. 10. Dec. 1943. 2 Or3

Results of inspection of wheat and barley of the 1943 crop in Oregon.

#### HONEY AND BEESWAX

11338 AQUINO, OSCAR. Modo de conservar la miel. Coop. Agr. 4(48): 9-10. Oct. 1943. 8 H752

11339 CARM, A. S. Standardization of five gallon cans. Amer. Bee Jour. 84: 15. Jan. 1944. 424.8 Am3

11340 CLARK, F. M. Honey fermentation - it's cause and prevention. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941-42) 51, 1. e. 41: 161-166. 424.9 I16

11341 COTTMAN, C. E. Frothing honeys. Austral. Bee Jour. 24: 118. Sept. 1943. 424.8 V66

Refers to froth when heating honey.

11342 GILL, A. G. Honey marketing. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941-42) 51, 1. e. 41: 160-161. 424.9 I16

11343 JAMIESON, C. A. The bee's contribution to the war effort. Canad. Bee Jour. 51: 211. Dec. 1943. 424.8 C16

11344 LANDER, H. A. A step backward. Amer. Bee Jour. 84: 15. Jan. 1944. 424.8 Am3

Points out that beekeepers are neglecting usual channels of distribution through honey packers and selling for "extra profit" to users who never purchased honey before.

11345 MEDICI, MIGUEL. Preparación de la cera de abejas. Coop. Agr. 4(49): 3-4. Nov. 1943. 8 H752

Methods which may be used on the farm without special equipment are described.

11346 MUNRO, J. A. Some physical properties which affect the handling of honey. Gleanings Bee Cult. 72: 41-43. Feb. 1944. 424.8 G47

11347 REPORT by Mr. A. H. Honeyfield on the Canadian honey business, April 16th, 1943. Re honey industry. New Zeal. Beekeeper 5(4): 9-10. Oct. 20, 1943. 424.8 N483

11348 ROWE, B. M. Beating the sugar shortage. Farmer 62(2): 16. Jan. 15, 1944. 6 F2211

Honey production in Polk County, Wisconsin.

11349 WALTON, G. P., and HALE, J. F. Honey: base for beverage sirups. Pt. I. Natl. Bottlers' Gaz. 62(743): 109-112. Jan. 1944. 390.8 N21

Also in Natl. Carbonator and Bottler 77: 42-43, 72, 74. Jan. 1944. 389.8 S08

11350 WHITEHEAD, S. B. Preparing for the honey flow. Field 183: 100. Jan. 22, 1944. 10 F45

Expected yields and preparation of storage space for incoming honey are discussed.

See also Apiculture and Apis Mellifera in Entomology section.

#### LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products

11351 AMERICAN bristle industry offers big opportunities to lockermen. Locker Operator 6(6): 14-15. Jan. 1944. 295.8 L79



- 11352 **AMERICAN MEAT INSTITUTE.** Background on the meat situation. *Aberdeen-Angus Jour.* 25(6): 18, 40, 42, 44. Jan. 1944. 43.8 Ab3  
Discusses the meat supply, emphasizes the importance of meat in the human diet, and opposes needless curtailment of meat consumption.
- 11353 **AMERICAN NATIONAL LIVESTOCK ASSOCIATION.** Resolutions adopted at annual meeting, Jan. 1944. *Rec. Stockman* 55(3): 3. Jan. 20, 1944. 286.85 D43
- 11354 **ASKEW, VESTEL.** 1944 outlook for Texas sheep and goat industry. *Tex. Livestock Jour.* 3(1): 88-89. Jan. 15, 1944. 49 T29
- 11355 **BATTLES, O. V.** Cattle in the post-war days. *West. Farm Life* 46(1, sect. 2, Ann. Livestock Rev. 1944): 54, 55. Jan. 1, 1944. 6 R153  
A discussion of the prospects of the beef cattle industry, with special attention to the effect upon the American market of the situation in Europe and Argentina.
- 11356 **\*BEHRENS, W.** Läufer nicht über 50 kg. Eine neue gewichtsgrenze auf den schweinemärkten. *Deut. Landwirt. Tierzucht* 47: 61. Feb. 20, 1943. 49 D48  
New regulation regarding the sale of swine over 50 kg. live weight.
- 11357 **BOICE, F. S.** Livestock production in war time. *Calif. Cattleman*, Jan. 1944, p. 8-9, 12. 43.8 C12
- 11358 **BOWES, J. H.** Leather. *Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem.* (1942) 27: 357-366. London, 1943? 382 M31R  
Surveys the literature of research in hides and skins preservation, tanning, and leather properties.
- 11359 **CUTTING, JOHN.** Don't let meat be out-flanked. *Butchers' Advocate* 115(3): 10, 12. Jan. 19, 1944. 286.85 B97
- 11360 **DUNHAM, C. B.** Meat plays an important part in the American soldier's diet. *Butchers' Advocate* 115(4): 11-12. Jan. 26, 1944. 286.85 P97  
Purchase and preparation of meat for the Army.
- 11361 **GRINSTAD, W. T.** Rabbit raising offers many possibilities. *Small Stock Mag.* 28(1): 2, 5. Jan. 1944. 45.8 P442  
Lists products other than meat which are obtained from rabbits.
- 11362 **HARDENBERGH, WESLEY.** The meat situation in 1944. *Super Market Merchandising* 9(1): 50. Jan. 1944. 389.8 Su7
- 11363 **HARTNETT, M. E.** Just relationship in the beef cattle industry. *Canad. Cattlemen* 6: 96-97, 125. Dec. 1943. 49 C16
- 11364 **HUDSON, T.** Some views on the pig stabilization plan. *So. Austral. Dept. Agr. Jour.* 42: 99-100. Sept. 1943. 23 So84
- 11365 **JONES, MARVIN.** My message to stockmen of the West. *West. Farm Life* 46(1, sect. 2, Ann. Livestock Rev. 1944): 11, 89. Jan. 1, 1944. 6 R153
- 11366 **KINGHORN, GLENN.** The feeders speak up. *West. Farm Life* 46(1, sect. 2, Ann. Livestock Rev. 1944): 14, 130, 132, 140. Jan. 1, 1944. 6 R153  
Deals with the production of beef and lamb, the feed situation and prices.
- 11367 **LAMAR ROURA, JUSTO.** La industria ganadera factor de economía nacional. *Rev. Ganad. [Habana]* 3(10): 3-16. Oct. 1943. 49 R321  
A survey of the Cuban cattle industry, showing the value of the industry, value of exports in animal and dairy products, labor and wages involved, cattle stocks, consumption of meat, milk and butter possibilities of increasing the milk production of Cuban cows, and possible expansion of Cuban cattle raising.
- 11368 **MACEWAN, J. W. G.** Livestock in a permanent policy. *Canad. Cattlemen* 6: 106, 110. Dec. 1943. 49 C16
- 11369 **MACKENZIE, T. P.** Production and marketing of cattle in British Columbia. *Country Life [Brit. Columbia]* 28(1): 7-8. Jan. 1944. 7 C832
- 11370 **MASON, D. I.** "Se llevará a la práctica un vasto plan de mejoramiento de la calidad y técnica de la explotación avícola." *Argentina. Min. de Agr. Dir. de Propaganda y Pub. Noticioso* 8: 117-119. Oct. 18, 1943. 9 Ar311N  
Discusses chiefly the Argentine livestock industry, development of cattle raising and prices, sheep and hog prices, loans on wool, the need for improving farm life, the problem of storing the next crop, and negotiations for acquisition of Argentine eggs by Great Britain.  
Also in Rosario, Argentina. *Bolsa de Com. Bol. Ofic.* 31(762): 15-18. Oct. 15, 1943, with title: Preocupa al P. E. la Solución Integral del Problema Ganadero. (287 R71)
- 11371 **MORRISSEY, W. J.** Heavy slaughter spells liquidation; large numbers of cattle that went into feedlots only last fall being unloaded prematurely--severe shortage later is predicted--nervousness permeates trade. *Amer. Hereford Jour.* 34(18): 26, 66. Jan. 15, 1944. 43.8 Am32
- 11372 **MORRISSEY, W. J.** The livestock situation. *Sheep and Goat Raiser* 24(4): 18. Jan. 1944. 45.8 Sh3
- 11373 **MORGAN, MACK.** Texas 1944 hog outlook. *Tex. Livestock Jour.* 3(1): 95-96. Jan. 15, 1944. 49 T29
- 11374 **PEIRSON, H. M.** The National Pig Industry Council [in New Zealand]. *New Zeal. Jour. Agr.* 67: 433-435. Dec. 15, 1943. 23 N48J
- 11375 **PETERS, L. A. H.** The live stock situation in the Netherlands; plans for post-war rehabilitation outlined. *Holstein-Friesian World* 41: 13-14, 60. Jan. 1, 1944. 43.8 H742  
Possible need for post-war imports of dairy cattle brought out.
- 11376 **PETTUS, D. M.** Summary of Government regulations on slaughter of livestock and delivery of meat. *U. S. Bur. Agr. Econ. Livestock and Wool Situation*, Dec. 1943, p. 13-16, processed. 1.941 S81752
- 11377 **POLLOCK, R. C.** Meat research plays vital role in war effort. *New England Grocery and Market Mag.* 12(4): 18, 38. Feb. 1944. 286.83 N44A
- 11378 **REED, H. E.** Wartime meat program. *Amer. Cattle Prod.* 25(9): 21-24, 26. Feb. 1944. 49 P94
- 11379 **RISOPATRON M., DANIEL.** Problemas de la ganadería nacional. *Campesino [Santiago, Chile]* 75: 746-748. Nov. 1943. 9.3 Sol2  
Discusses the problems of Chile's livestock industry and points out that the State should protect the industry by price control and other measures, including tariff protection, control of diseases, improvement of fodder production, and subsidies for production of high-grade cattle.
- 11380 **RUSSELL, S. F.** The livestock situation from the farmer's viewpoint. *Tex. Livestock Jour.* 3(1): 9, 49. Jan. 15, 1944. 49 T29
- 11381 **SALISBURY, G. W.** Europe's postwar need for livestock--a market or mirage? *Successful Farming* 42(2): 22-23, 98-99. Feb. 1944. 6 Su12
- 11382 **SAVING** Canada's bacon. *Economist [London]* 146: 74. Jan. 15, 1944. 286.8 Ec7  
On the new Canadian bacon agreement with Great Britain and its effects.
- 11383 **\*SENGIR, ENVER.** Sanayide derilerin kıymetini gideren ve azaltan hastalıklar ve bunların deride yaptıkları anatomik ve histolojik bozukluklar (Die Hautkrankheiten, die zur Verminderung und Vernichtung des Leders in der Lederindustrie und deren anatomische und histopathologische Veranlassungen). *Ankara. Yüksek Ziraat Enstitüsü. Çalışmalarından, Sayı* 137, 135 p. Ankara, 1943. Ref., p. 114-124. 25 An4  
German summary.



11384 SHEALY, A. L. Goats as aid in meat shortage; meat and milk have high nutritional value. Fla. Grower 52(1): 8. Jan. 1944. 80 F6622

11385 STEVENS, H. M. Faith farm rabbit plant. Natl. Fur News 15(12): 27. Jan. 1944. 412.628 R59  
Methods of slaughtering and marketing.

11386 TEMPLETON, G. S. The rabbit industry's contribution to the war. Small Stock Mag. 28(2): 3. Feb. 1944. 48.8 P442

11387 TOMSON, C. K. Argentina's basis is beef. Rec. Stockman 54(52, 1944 Ann. Ed.): 178-181. Dec. 30, 1943. 49 D43

Description of the beef cattle industry in Argentina.

11388 WENTWORTH, E. N. After the war. Breeder's Gaz. 109(2584): 14, 18-19, 29. Jan. 1944. 49 B74

Post-war prospects for the lard and pork industry.

11389 WING, DE W. C. Our problem in 1944. West. Farm Life 46(1, sect. 2, Ann. Livestock Rev. 1944): 11, 47, 48. Jan. 1, 1944. 6 R153

The beef cattle and sheep raising industry of the West.

11390 YOUNG, R. P. Canada reports on leather and hides. Shoe and Leather Rptr. 233(5): 8-9. Jan. 29, 1944. 303.8 Sh7

#### Distribution, Marketing, and Transportation

11391 BARCLAY, J. R. Marketing of fat cattle; some post-war proposals. Scot. Farmer 51: 1206. Dec. 11, 1943. 10 Sco8

11392 GARCÍA-MATA, CARLOS. La ganadería del Norte y el mercado norteamericano. Rev. de la Econ. Argentina 42: 399-400. Oct. 1943. 280.8 R325

Discusses the sanitary embargo of the United States upon Argentine meat and considers the lack of interest upon the part of the producer in studying the United States market and exporting products, such as sausages, which have a market.

11393 MACGREGOR, W. A menace to Australia's beef cattle industry. Past. Rev. 53: 810. Dec. 16, 1943. 23 Au75

Since cattle pastured on the Sewage Farm at Werribee, Victoria, is infected with *Cysticercus bovis* (beef measles), its sale for human consumption should be prohibited.

11394 NATIONAL LIVESTOCK LOSS PREVENTION BOARD. Minimize livestock losses in transit. Chester White Jour. 34(1): 48. Jan. 1944. 46.8 W582

11395 PARKER, L. T. The law says: review of 1943 higher court decisions on livestock sales and suits for damage to cattle. West. Livestock Jour. 22(12): 63-64, 66. Jan. 15, 1944. 6 W2278

11396 "RINGSIDER." The marketing of hill sheep: auctions or grading? returns compared. Farming News and North Brit. Agr. 95(53): 2. Dec. 24, 1943. 10 N82

11397 ROBERTS, E. B. The story of our bacon exports. Farmer's Mag. 41(1): 16-17. Jan. 1944. 7 C165

11398 ROYCE, H. L. Live stock marketing is in confusion today. Hoosier Farmer 29(1): 20-21. Jan. 1944. 280.82 H76

11399 SWAFFAR, PAUL. Livestock rambles. East. Breeder 5(8): 30-32. Jan. 1944. 49 V81

Sales and prices of feeder calves in Virginia in October and November 1943.

11400 SWIFT & CO. AGRICULTURAL RESEARCH DEPT. The significance of Jewish holidays to the livestock producer. Cattleman 30(8): 71-72, 74. Jan. 1944. 49 C29

Effects on demand for and marketing of meat.

11401 TIMBS, S. S. Planning operations for the disposal of New Zealand's meat production from December, 1943, to December, 1944. Meat and Wool 90(3): 6-7. Dec. 10, 1943. 286.85 M463

#### Grading, Inspection, Standardization, and Quality

11402 \*BARTEL, H. Zur Änderung des §36 II nr.8 AB.A. Deut. Tierärztl. Wchnschr. und Tierärztl. Rundschau 51/49(1/2): 1-3. Apr. 10, 1943. Includes meat inspection.

#### Prices, Price Control, and Rationing

11403 MORRISSEY, W. J. [Cattle] price stabilization proves perverse. Amer. Hereford Jour. 34 (19): 26-27, 98. Feb. 1, 1944. 43.8 Am32

11404 FLOESER, W. C. Meat price manipulation. Butchers' Advocate 115(4): 13. Jan. 26, 1944. 286.85 B97

11405 U.S. OFFICE OF PRICE ADMINISTRATION. Live hogs. Fed. Register 9: 694. Jan. 18, 1944. 169 F31

Maximum Price Regulation 469, Amend. 3.

#### Processing and Storage

11406 BACK up lard promotion by - making better lard. (Cont.) Natl. Provisioner 110(2): 12, 13, 37; (3): 13, 47; (4): 12, 14; (5): 13, 28, 30; (6): 11, 27. Jan. 8, 15, 22, 29, Feb. 5, 1944. 286.85 M21

Contents: Article 1-2. Proper handling of fats; Article 3. Steam rendering; Article 4. Lard rendering methods; Article 5. Lard processing methods.

11407 \*BOURMER. Abwasserfettrückgewinnung heute notwendiger denn je! Deut. Tierärztl. Wchnschr. 50: 119-120. Feb. 28, 1942.

Salvaging of fat from waste water in slaughter-houses.

11408 DUBOIS, C.W., and TRESSLER, D.K. Seasonings, their effect on maintenance and quality in storage of frozen ground pork and beef. Inst. Food Technol. Proc. 1943: 202-207. 389.9 In7

11409 EDE, A. J., and PARTRIDGE, S. M. Dried meat. IV. The effect of some physical factors on the rate of drying of minced meat in heated air. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 195-200. Nov. 1943. 382 M31

11410 ELY, OWEN. Outlook for the meat packers in war and peace. Mag. Wall St. 73: 412-414, 428. Jan. 22, 1944. 286.8 M27

Financial condition and earning prospects.

11411 ESTAPE, A. C. Curtido de pieles de conejo. Agr. Mod. 1(5/6): 23. Oct./Nov. 1943. 8 Ag882

11412 EVERILL, K. La carne deshidratada y su empleo culinario. Res 11: 15.063. Oct. 20, 1943. 286.85 R31

11413 FERNÁNDEZ, J. A., and CALIO, TOMÁS. Factura conservada. Campo [Buenos Aires] 27(324): 55. Oct. 1943. 9 C15

Aging and keeping of sausages.

11414 FIGGER, P. H. Post-war tanning. Leather Trades' Rev. 77(3015): 31-32. Jan. 5, 1944. 303.8 L48

11415 FURIA, Z. B. Processo de curtimento ao cromo para obtenção de um couro nolvavel. Rev. Bras. de Quím. (Ciencias e Indus.) 16: 136, 138. Aug. 1943. 385 R322

Condensation and translation of work by V. Casaburi.

11416 HILBERT, F. L. The technology of tanning. Pt. 2--The art and science of leather making. Ch. 3--Beamhouse practice. (Cont.) Hide and Leather and Shoes 107(3): 26, 28, 30. Jan. 15, 1944. 303.8 H53

11417 HOBBS, R. B., and BUSSEY, H. E. Bureau of Standards service tests of some oil treated sole leathers. Shoe and Leather Rptr. 233(2): 7-10, 21, 28-29. Jan. 8, 1944. 303.8 Sh7

Also in Hide and Leather and Shoes 107(3): 21, 23-24, 34-37. Jan. 15, 1944. 303.8 H53



- 11418 JORDAN-LLOYD, DOROTHY. Leather, its manufacture and properties. *Canad. Chem. and Process Indus.* 28(1): 12-14, 61. Jan. 1944. 381 C16
- 11419 KETNER, F. G. Swine growers face war and post-war problems. *West. Farm Life* 46(1, sect. 2, Ann. Livestock Rev. 1944): 136-137. Jan. 1, 1944. 6 R153

Production and marketing problems.

- 11420 KRAYBILL, H. R. The dehydration of meat. *Inst. Food Technol. Proc.* 1943: 90-94. 389.9 In7
- 11421 LEA, C. H. Dried meat. V. The storage of dried meat. *Soc. Chem. Indus. Jour. Trans. and Commun.* 62: 200-205. Nov. 1943. 382 M31
- 11422 LOLLAR, R. M. Report on a study and the development of a mold resistant treatment for leather. *Amer. Leather Chem. Assoc. Jour.* 39(1): 12-24. Jan. 1944. 303.9 Am32
- 11423 LOLLAR, A. M. Studies on vegetable tannage. IV. The take-up of ordinary quebracho tannin by hide powder in acetone systems. *Amer. Leather Chem. Assoc. Jour.* 39(1): 7-12. Jan. 1944. 303.9 Am32
- 11424 PEARCE, J. A. The dehydration of pork. *Canad. Jour. Res. Sect. D, Zool. Sci.* 21: 394-404. Dec. 1943. 470 C16CD
- 11425 PUCKETT, P. P. Science has found a way to tenderize tough beef. *Ann. Livestock Rev.* 46(1): 96. Jan. 1, 1944. 6 R153
- Describes new tenderizing process.
- 11426 SMITH, P. I. Factors controlling fat-liquoring of leather. *Hide and Leather and Shoes* 107(3): 32-33. Jan. 15, 1944. 303.8 H53
- 11427 WATSON, M. A. The history and economics of cattlehide leather tanning. Ch. III - Domestic cattlehide supplies. (Concl.) *Hide and Leather and Shoes* 107(2): 24-27. Jan. 8, 1944. 303.8 H53
- Also in *Shoe and Leather Rptr.* 233(2): 16-17; (3): 14-17; (4): 6-7; (5): 10-11; (6): 28-29. (Cont.) Jan. 8, 15, 22, 29, Feb. 5, 1944. 303.8 Sh7
- 11428 ZAROTSCHOFF, M. T. Will Argentine imports spur quick freezing in the U. S.? Increased production of frozen Argentine meat may reach United States in 1944. *Meat* 19(6, i. e. 8): 16-18, 30-31. Jan. 1944. 286.85 M464
- Includes methods followed in quick-freezing and packing-house technique of treating beef in Argentina.

#### Statistics

- 11429 ATHANASSOF, NICOLAU. Os bovinos; importancia e valor do gado bovino no Brasil. *Vida Rural e Econ.* 5(8): 49-50. Aug. 1943. 9.2 V663
- Statistical survey.
- 11430 MEAT from the record files. *Oreg. Dept. Agr. Agr. Bul.* 140, p. 25-26. Dec. 1943. 2 Or3
- Summary of trends in slaughtering and marketing in Oregon in 1940, 1941, 1942, and the first nine months of 1943, compiled from monthly reports made to the Oregon Dept. of Agriculture.
- 11431 NEW ZEALAND. MINISTRY OF AGRICULTURE. LIVESTOCK DIVISION. Lambing estimates for 1943. *New Zeal. Jour. Agr.* 67: 430-431. Dec. 15, 1943. 23 N48J
- Statistics given by districts.
- 11432 NOBLE, K. F. Australian live-stock census, 1943. *Canada Dept. Trade and Com. Com. Intel. Jour.* 70: 48-49. Jan. 15, 1944. 286.8 C16

#### OILS AND OILSEEDS

- 11433 BECK, S. E. Some aspects of German oil conservation. *Natl. Paint Bul.* 8(1): 5-6, 12. Jan. 1944. 306.8 M212

- 11434 BERMAN, MATTHEW. More about soya flour in caramels and fudge. *Confectioners Jour.* 70(828): 5, 17. Jan. 1944. 389.8 C76
- 11435 BOATNER, G. H. The pigments of cottonseed. *Oil and Soap* 21(1): 10-15. Jan. 1944. 307.8 J82
- 11436 BORGES, G. P. Óleos vegetais brasileiros. *Rev. Bras. de Quím. (Ciencia e Indus.)* 16: 257-258. Sept. 1943. 385 R322
- Chemical study of Brazilian vegetable oils.
- 11437 BRIGHAM, E. S. History of oleo legislation. *Jersey Bul.* 63(1): 12-13, 45. Jan. 5, 1944. 43.8 J48
- 11438 BRYANT, L. R. Oxidative rancidity in edible fats. *Food in Canada* 4(1): 7, 8-9, 10, 12. Jan. 1944. 389.8 F7323
- Fourth in a series of articles on the causes, cure, and prevention of rancidity in foods.
- 11439 \*BUCHINGER, A. Der Kürbis als Ölfrucht. *Wiener Landw. Ztg.* 92: 163-164, 165, 172-173, 187, 188-189, 202-203, 210, 211, 216-217, 232-233, 253-254. June 13, 20, July 4, 18, 25, Aug. 1, 15, Sept. 5, 1942.
- Includes description of the oil and its chemistry and value.
- 11440 CARLIN, GEORGE. Progress in shortenings forced by shortages. *Food Indus.* 16(2): 87-88. Feb. 1944. 389.8 F737
- 11441 CLAY, H. J. Heavy contracts for future shipments confuse picture of peanut supply situation. *Peanut Jour. and Nut World* 23(4): 17-18. Feb. 1944. 77.8 P313
- 11442 CLAY, H. J. Stocks of shelled peanuts in producing areas insufficient to meet brisk demand. *Peanut Jour. and Nut World* 23(3): 17-18. Jan. 1944. 77.8 P313
- 11443 FAITH, W. L., and ROLLINS, E. J. Catalytic vapor-phase oxidation of fatty oils. *Indus. and Engin. Chem., Indus. Ed.* 36(1): 91-92. Jan. 1944. 381 J825
- 11444 FERGUSON, KEN. Maryland mill a milestone in U. S. soya saga. *Amer. Miller* 72(1): 138-140. Jan. 1944. 298.8 Am32
- 11445 \*FREUDENBERGER, H. H. Weitere ausdehnung des Ölfuchtbauers. *Wiener Landw. Ztg.* 92: 179. June 27, 1942.
- The importance of producing oilseed plants in wartime.
- 11446 FURIA, A. Progressos na industria de tintas e vernizes no ano de 1942. *Rev. Bras. de Quím. (Ciencias e Indus.)* 16: 110-120, 122, 124. Aug. 1943. 385 R322
- Brings out the importance of dehydrated castor oil, and method of dehydration.
- 11447 GUENTHER, ERNEST. Oil of tansy. *Chemurg. Digest* 3(1): 18-19. Jan. 15, 1944. 381 N213Na
- 11448 GUENTHER, ERNEST. Production and characteristics of oil of marjoram. *Food Indus.* 16(2): 98-99, 136-137. Feb. 1944. 389.8 F737
- 11449 GUENTHER, ERNEST. A survey of American and European peppermint oils. Pt. IV. *Mfg. Confectioner* 24(1): 21-23. Jan. 1944. 389.8 M31
- 11450 GUENTHER, ERNEST. A survey of oil of myrrh. *Amer. Perfumer and Essential Oil Rev.* 16(1): 43-44. Jan. 1944. 308.8 Am3
- 11451 HILDITCH, T. P. Fats, fatty oils, and detergents. *Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem.* (1942) 27: 257-279. London, 1943? 382 M31R
- Reviews research and literature on the chemistry and processing of oils.



- 11452 HOLMAN, R. L. Know your soybeans. Amer. Mercury 58: 177-179. Feb. 1944. 110 Ame  
Usefulness and uses of the soybean.
- 11453 HOWARD, H. L. Drying oils, driers, and varnishes. Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem. (1942) 27: 318-321. London, 1943? 382 M31R  
Reviews research in the chemistry of natural and synthetic oils.
- 11454 KERCHEVAL, J. W., and ARMBRUSTER, L. A. Hydrogenation; a demonstration for the classroom. Jour. Chem. Ed. 21(1): 12-14. Jan. 1944. 381 J826  
Experimental apparatus and procedure in hydrogenation of vegetable oils.
- 11455 KROBER, O. A., and COLLINS, F. I. Effect of relative humidity on the determination of oil in soybeans. Oil and Soap 21(1): 1-5. Jan. 1944. 307.8 J82
- 11456 MCCULLOUGH, W. B. Argentine production of vegetable oils in 1942. Canada Dept. Trade and Com. Com. Intel. Jour. 70: 28-31. Jan. 8, 1944. 286.8 C16  
Production, with estimate of 1943 production, and comparative figures of exports.
- 11457 MCCUNE, WESLEY. The oleomargarine rebellion. Harper's Mag. 188(1123): 10-15. Dec. 1943. 110 H  
Developments in the conflict between oleomargarine and butter.
- 11458 MACFARLANE, A. M. How good is margarine? Amer. Restaurant Mag. 28(1): 41, 86-87. Jan. 1944. 389.2538 Am3
- 11459 MARSICO, D. F. Situación de la República Argentina como consumidora y productora de aceite de oliva. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31(762): 7-8. Oct. 15, 1943. 287 R71
- 11460 MARX, CYRIL, and CRUESS, W. V. Oil from wine grape seeds. Inst. Food Technol. Proc. 1943: 196-201. 389.9 In7
- 11461 MORSE, W. J. Marketing and storage of soybeans in Manchuria. Soybean Digest 4(3): 6-7. Jan. 1944. 60.38 So9
- 11462 OLSON, T. M. The truth about your spread. Amer. Butter Rev. 6(1): 14, 16. Jan. 1944. 44.8 Am37  
Statement of the dairy industry's side of the butter-oleomargarine controversy.
- 11463 \*RANNINGER, RUDOLF. Eine alte kulturpflanze als neue Ölfrucht. (Vorläufiger bericht.) Wiener Landw. Ztg. 92: 265, 266. Sept. 19, 1942. Rape as an oil plant.
- 11464 RUEHE, H. A. The colored oleo tax issue. Pacific Dairy Rev. 45(1): 10-11, 43. Jan. 1944. 286.85 P11  
Brief presented by the American Butter Institute to the U. S. Senate Committee on Finance in opposition to Senate Bill 1426.
- 11465 SAGARIN, EDWARD. Essential oils - 1944. Chemurg. Digest 3(1): 12-14. Jan. 15, 1944. 381 N213Na  
A discussion of the outlook for 1944 with special reference to the situation in Europe, Dutch East Indies, Brazil, and the United States.
- 11466 SIMMONS, A. G. E. Babassu nut. Econ. Geog. 19: 279-282. July 1943. 278.8 Ec7
- 11467 SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS. Analysis of some essential oils; the methods of the Uniformity Sub-Committee. Perfumery & Essential Oil Record Yearbook 1944: 26-40. 308.9 P41  
A ready reference collection of reprints from The Analyst.

- 11468 TORRES FILHO, ARTHUR. Os óleos e ceras vegetais na economia nacional. Soc. Brasil. de Agron. Bol. 6: 171-173. June 1943. 9.2 Sol3  
Economic importance of Brazil's vegetable oils and waxes.
- 11469 \*TROLL, H.-J. Ölpflanzen; anbau- und züchtungsprobleme bei erprobten und neuen arten. Umschau 47: 61-65. Feb. 17, 1943. 474 Um7  
Includes discussion of the oil content and quality of various oilseeds.
- 11470 VAN ATTA, G. R., and DIETRICH, W. C. Valencia orange-seed oil. Oil and Soap 21(1): 19-22. Jan. 1944. 307.8 J82
- 11471 WALSH, R. M. Soybeans after the war--4. Soybeans and world trade. Soybean Digest 4(3): 4-5. Jan. 1944. 60.38 So9

## POULTRY AND POULTRY PRODUCTS

- 11472 ALEXANDER, A. K. S. Table bird prices rule egg supplies. Farmer & Stock-Breeder 57: 1965. Dec. 14, 1943. 10 F228
- 11473 ARISTIDES MACHADO, J. El frío artificial en la refrigeración de huevos. Campo [Buenos Aires] 27(324): 46-47. Oct. 1943. 9 C15  
Brings out the type of eggs that must be used to obtain best results and precautions to take.
- 11474 BARCO, G. F. Conservación de huevos en la chacra. Inst. Agr. Argentino. Reseñas 4(22): 23-27. 1943. 281.9 B862
- 11475 BARREIRO CABRAL, MANUEL. La industria del huevo desecado en el país. Inst. Agr. Argentino. Reseñas 3(20): 32-36. 1943. 281.9 B862  
Methods of dehydration, costs, and uses of dehydrated eggs are discussed.
- 11476 BERGER, W. C. The poultry outlook for 1944. Hatchery Tribune 18(1): 10. Jan. 1944. 47.8 H28  
Also in Cackle and Crow 26(3): 1. Jan. 15, 1944. 47.8 C11; Northeast. Poultryman 38(1): 17. Jan. 1944. 47.8 H44; Pacific Poultryman 48(1): 16. Jan. 1944. 47.8 P113
- 11477 BRANCH, L. B. Use of eggs and chickens highest on record. N. Y., Essex County Farm & Home Bur. News 26(12): 8, 9. Dec. 1943. 275.293 N. Y., Essex Co.
- 11478 BROOKS, J., and HAWTHORNE, J. R. Dried egg. V. The pH of reconstituted dried egg. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 181-185. Nov. 1943. 382 M31
- 11479 BROWN, W. A. Market outlook for poultry products. Canada Poultryman 30(12): 12-14. Dec. 1943. 47.8 C166
- 11480 BURKHEAD, C.E., and WILSON, D.B. Delaware broiler report indicates no early shortage. Peninsula Broiler Jour. 3(17): 1. Jan. 3, 1944. 47.8 P39
- 11481 BURR, GILBERT. What about the future of the egg and poultry co-ops? Everybodys Poultry Mag. 49(2): 10, 26-28. Feb. 1944. 47.8 F213P
- 11482 LA CALIDAD de los huevos para el consumo. Rev. de Agr. y Com. [Panama] 3(26): 23-28. Oct. 1943. 8 R3291  
Discusses the structure of the egg, factors which affect quality, and storage.
- 11483 CRAWFORD, MERRILL. The poultry industry--of national concern. Conn. Circle 7(1): 18-19. Jan. 1944. 280.8 C7632
- 11484 DAKAH, E. L. Let's take an inventory of our poultry situation for the year. Ohio Farmer 193(3): 14. Feb. 5, 1944. 6 Oh3
- 11485 DARRAH, L. B. How many eggs per layer? N. Y., Rensselaer County Farm Bur. News 20(10): 6. Jan. 1944. 275.293 N. Y., Rensselaer Co.  
Statistics on egg production per layer in New York State and the United States, 1932-1942.



- 11486 DARRAH, L. B. Use of eggs and chickens highest on record. N. Y., Albany County Farm Bur. News 28(12): 9. Dec. 1943. 275.293 N. Y., Albany Co.
- 11487 EDMONDS, C. C. Post war planning for the poultry industry. Poultry Tribune 50(2): 11, 26, 28, 30-32. Feb. 1944. 47.8 P8642
- Also in U. S. Egg and Poultry Mag. 50: 56-59, 86. Feb. 1944. 286.85 Eg3
- 11488 ENGEL, LORRAINE. What they're doing with poultry by-products. Science and industry are finding scores of ways to use the waste products of eggs and poultry that were once discarded. Everybody's Poultry Mag. 49(1): 12, 41-42. Jan. 1944. 47.8 F213P
- Also in Utah Poultry Co-op. 8(5): 8, 10, 12, 13, 14. Jan. 1944. 280.28 Utl
- 11489 FUNK, E. M. Cooling of eggs as related to kind of case, filler and flat. U. S. Egg and Poultry Mag. 50: 71-72, 89-90. Feb. 1944. Ref., p. 89-90. 286.85 Eg3
- 11490 GAMERO ROBLES, A. M. Conservación de huevos en la chacra. Mundo Avic. 6(70): 10-11. Dec. 1943. 47.8 M92
- 11491 GANE, R. Dried egg. VI. The water relations of dried egg. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 185-187. Nov. 1943. 382 M31
- 11492 GLASER, E. G. How egg shows improve egg quality. Amer. Poultry Jour. 75(1): 71. Jan. 1944. 47.8 Am32
- 11493 GORESLINE, H. E. Dehydration of eggs. Inst. Food Technol. Proc. 1943: 70-76. 389.9 In7
- 11494 GRAY, ALBERT. "Compressed" eggs. Amer. Poultry Jour. 75(1): 59-61. Jan. 1944. 47.8 Am32
- 11495 HARTMAN, R. C. After the war... Should the Government run our poultry industry? Everybody's Poultry Mag. 49(1): 10, 29-33. Jan. 1944. 47.8 F213P
- Government egg buying, compulsory egg grades, and control of poultry breeding are considered.
- 11496 HARTMAN, R. C. Post-war plan for poultry. Everybody's Poultry Mag. 49(2): 32-37. Feb. 1944. 47.8 F213P
- 11497 HARVEY, J. R. The poultry industry prepares post-war plans. Scot. Farmer 52: 232. Jan. 1, 1944. 10 Sco8
- Summarizes a memorandum issued by the Poultry Association of Great Britain.
- 11498 HARVEY, J. R. Something about sales. Mod. Poultry Keeping 49: 385. Dec. 1, 1943. 47.8 Eg3
- Stresses the need for clarity in sales agreements for the poultry keeper.
- 11499 HORWOOD, E. G. Manitoba co-op. poultry has successful season. Manitoba Co-op. 1(14): 5. Jan. 15, 1944. 280.28 M31
- Discusses turkey quality and egg marketing and the work of the Manitoba Co-operative Poultry Marketing Association.
- 11500 HUGHES, RUPERT. Egg industry is scrambled. Butchers' Advocate 115(3): 11-12. Jan. 19, 1944. 286.85 B97
- A criticism of Government policies.
- 11501 JONES, R. E. (New England) egg, chicken and turkey goals for 1944. New England Homestead 117(1): 20, 21. Jan. 8, 1944. 6 N442
- 11502 JULL, M. A. Reducing broilers but increasing profits per bird. Peninsula Broiler Jour. 3(16): 1, 2, 3, 4. Dec. 20, 1943. 47.8 P37
- 11503 LIPTON, J. U. S. hen's war effort. Mod. Poultry Keeping 49: 421. Dec. 15, 1943. 47.8 Eg3
- Gives figures for egg production.
- 11504 MASON, EARL. Poultry year in review. Iowa State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 59-64. Des Moines, 1943. 2 Io9R
- Statistics of poultry and egg production and lists of egg breaking and drying plants.
- 11505 MEHRHOF, N. R. State poultrymen do their bit; details of Florida's 1944 egg and poultry goals. Fla. Grower 52(1): 11. Jan. 1944. 80 F6622
- 11506 PALMER, K. J. The structure of an egg albumin-detergent complex. Jour. Phys. Chem. 48(1): 12-21. Jan. 1944. 381 J822
- 11507 PARSONS, L. C. Can we simplify egg price control? Northeast. Poultryman 38(1): 5-9, 33. 47.8 N44
- 11508 RAIMO, H. F. Sobre a entrada de ovos na cidade de São Paulo e seu valor estimativo. Rev. dos Criadores 14(14): 70. Oct. 1943. 43.8 R32
- 11509 RECOMMENDED fibre egg cases. Fibre Containers 29(1): 58-60. Jan. 1944. 286.8 F44
- Report of a meeting between Government representatives and representatives of business and industry, in Chicago, Jan. 7, 1944, to discuss the egg-case situation; and a summary of a paper presented by D. L. Quinn on testing and specifications of fibre egg cases.
- 11510 ROHDE, C. E. Records prove it can be done. Amer. Poultry Jour. 75(1): 22, 24-26. Jan. 1944. 47.8 Am32
- Records and statistics of egg production.
- 11511 SARASQUETA. Producción y deshidratación de huevos en la República Argentina. (Cont. and to be cont.) Mundo Avic. 6(70): 19-22. Dec. 1943. 47.8 M92
- 11512 SARRASQUETA, P. A. DE. El deshidratado de huevos. Inst. Agr. Argentino. Reseñas 4(22): 11-13. 1943. 281.9 B862
- 11513 SIMMONDS, R. A. The use of poultry offal in making dog food. Quick Frozen Foods 6(6): 23. Jan. 1944. 389.8 Q4
- 11514 STEWART, G. F., BEST, L. R., and LOWE, BELLE. A study of some factors affecting the storage changes in spray-dried egg products. Inst. Food Technol. Proc. 1943: 77-89. 389.9 In7
- 11515 TERMOHLEN, W. D. Those rumors about dried eggs. U. S. Food Distrib. Admin. Market. Activ. 6(12): 13-15, processed. Dec. 1943. 1.942 A2M34
- 11516 TOMHAVE, A. E. Supply and demand still influences broiler industry. Peninsula Broiler Jour. 3(16): 1, 3. Dec. 20, 1943. 47.8 P37
- A discussion of prices and reduction in production.
- 11517 VINE, VERNON. Baby chicks make a bouncing business. U. S. Farm Credit Admin. News for Farmer Co-op. 10(9): 19-20. Dec. 1943. 166.2 N47
- Story of the Washington Cooperative Chick Association, Bellingham, Wash.
- 11518 WOODCOCK, A. E., and REID, MARGARET. Dried whole egg powder. IX. Effect of drying conditions on quality. Canad. Jour. Res. Sect. D. Zool. Sci. 21: 389-393. Dec. 1943. 470 C16CD
- 11519 ZAGAEVSKY, J. S., and LUTIKOVA, P. O. Bacterial contamination in eggs. U. S. Egg and Poultry Mag. 50: 75-77, 88-89. Feb. 1944. 286.85 Eg3

## RUBBER AND RUBBER SUBSTITUTES

- 11520 DANIEL, HOWARD, and BELLE, MINNIE. War-time control of the rubber industry in Australia. India Rubber World 109: 367, 374. Jan. 1944. 305.8 In2
- 11521 DAWSON, T. R. Rubber. Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem. (1942) 27: 338-356. London, 1943. 382 M31R
- Research in the processing and chemistry of rubber and in synthetic rubber.
- 11522 GILLILAND, E. R. Synthetic rubber. Sci. Monthly 58(1): 5-15. Jan. 1944. 470 Sci23
- Discusses production from grain alcohol, noting the amount obtainable per acre of corn.



11523 GUAYULE rubber production by the Emergency Rubber Project. India Rubber World 109: 363-366. 370. Jan. 1944. 305.8 In2

11524 HAUSER, E. A. Synthetic rubber and plastics. Jour. Chem. Ed. 21(1): 15-17. Jan. 1944. 381 J826

11525 HOSEH, M. Recent Russian literature on natural and synthetic rubber--VI. India Rubber World 109: 368-370. Jan. 1944. 305.8 In2

11526 INTER-AMERICAN DEVELOPMENT COMMISSION, WASHINGTON, D. C. El futuro del hule en Iberoamérica. (To be cont.) Economista [Mexico] 10(117): 37-40. Jan. 1, 1944. 280.8 Ec793

Takes up world and Latin American rubber production variations in prices and production in Latin America, and post-war prospects.

11527 KELSH, H. T. Hunting rubber from the air in the Amazon Valley. Photogrammetric Engin. 9: 202-210. Oct./Dec. 1943. 325.28 P56

11528 LESLIE, R. C. Synthetic rubber production and use. U. S. Dept. Com. Dom. Com. 32(3): 19-20. Feb. 1944. 157.54 D713

11529 LISKA, J. W. Advances in rubber during 1943. India Rubber World 109: 371-374. Jan. 1944. Ref., p. 373-374. 305.8 In2

11530 MCCLINTOCK, J. C. The battle of the Amazon. Jour. Geog. 43(1): 27-33. Jan. 1944. 278.8 J82

Recent developments with respect to rubber in the Amazon basin, with some attention to agricultural possibilities.

11531 MORRIS, R. E., and others. Effect of blending natural rubbers with GR-S. Indus. and Engin. Chem., Indus. Ed. 36(1): 60-63. Jan. 1944. 381 J825

A. E. Barrett, R. E. Harmon, and T. A. Werkenthin, joint authors.

11532 MORRIS, R. E., and others. The effects of blending guayule rubber with GR-S--II. India Rubber World 109: 252-257, 294. Dec. 1943. 305.8 In2

A. E. Barrett, W. B. Lew, and T. A. Werkenthin, joint authors.

11533 VASCONCELLOS, R. S. Seringais em São Paulo? Rev. Bras. de Quím. (Ciencia e Indus.) 16: 155, 156. Aug. 1943. 385 R322

The writer feels that Brazilian rubber production will be unable to meet the needs of the United States and that the industry will decline after the war when Asiatic rubber is again obtainable.

11534 WATKINS, J. C. Where synthetic rubber starts. Mfrs. Rec. 113(1): 32-33. Jan. 1944. 297.8 M31

Synthetic rubber factories in Texas.

#### SEEDS

11535 ALABAMA. DEPT. OF AGRICULTURE AND INDUSTRIES. Summary of seed inspection and analysis in Alabama for the period July 1, 1942 to June 30, 1943. Ala. Dept. Agr. and Indus. Bul. 45, Seed Bul. 7, 63 p. Montgomery? 1943. 2 AllB

11536 BIGGIO, A. J. Some sidelights on seed associations (extracts from an address). South. Seedsman 7(1): 14-15. Jan. 1944. 61.8 So8

11537 BROWN, G. F. Committee on seed production program. U. S. Soil Conserv. Serv. Soil Conserv. 9: 147, 160-161. Jan. 1944. 1.6 So33

Functions and personnel of a Government committee.

11538 CALIFORNIA. BUR. OF WEED CONTROL AND SEED INSPECTION. Seed inspection. 2 p., processed. Sacramento, 1944. 64.9 C122

Report for Dec. 1943.

11539 \*GÖPP, K. Methoden zur bestimmung der keimfähigkeit bei gerste. Ztschr. f. Spiritusindus. 66(1/2): 2. Jan. 14, 1943.

11540 MAGRUDER, ROY. 1944 seed supply seems adequate to meet Nation's needs. Seed World 55(2): 16, 35-36. Jan. 21, 1944. 61.8 Se52

11541 MAGRUDER, ROY. Vegetable seed situation and supplies in 1944. Seed Trade News 42(2): 1, 2. Jan. 12, 1944. 61.8 Se3

11542 MEXICO. COMISIÓN DE COORDINACIÓN ECONÓMICA NACIONAL. Importancia del empleo de semillas de variedades mejoradas. Planificación Econ., No. 11, p. 1-7. Jan. 6, 1944. 280.8 P695

11543 MILLER, R. V. Interesting crop trends shown by Texas seed certification. South. Seedsman 7(1): 16, 41. Jan. 1944. 61.8 So8

11544 PONT, J. W., and VAN ELDEN, H. South African seed production. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 176, 2 p. Pretoria 1943. 24 So84P

Seed control and supplies and post-war prospects for the industry in the Union of South Africa.

11545 RUGG, JAS. Presidential address. Canad. Seed Growers' Assoc. Saskatchewan Branch. Ann. Meeting. Rpt. (1943) 14: 12-15. 61.9 C16R

Reports on seed distribution.

11546 RUSSOW, W. F. Spring legume seed situation serious! Hoosier Farmer 29(1): 30. Jan. 1944. 280.82 H76

11547 SERVISS, G. H. Seed conservation necessary. N. Y. Chenango County Farm and Home Bur. News 29(1): 6. Jan. 1944. 275.293 N. Y. Chenango Co.

11548 VIGOR, S. H. Seed production and marketing problems. Canad. Seed Growers' Assoc. Saskatchewan Branch. Ann. Meeting. Rpt. (1943) 14: 15-17. 61.9 C16R

11549 WORK, PAUL. Vegetable seed supply for home gardens. N. Y. Chenango County Farm and Home Bur. News 29(1): 6. Jan. 1944. 275.293 N. Y. Chenango Co.

#### SUGAR AND SIRUPS

11550 \*ALVERMANN, HANS. Aufbauarbeit im Generalgouvernement. Ztschr. f. Spiritusindus. 65: 19-20. Feb. 12, 1942.

Describes the process of manufacturing yeast from molasses.

11551 \*CLAASSEN, H. Die wuchsstoffe der hefe und ihre bestimmung in den nährlösungen, besonders in den melassen nach der methode von Nielsen. Ztschr. f. Spiritusindus. 65: 1, 2. Jan. 1, 1942.

11552 DONHAM, R. A. Labor shortage may curtail production of maple syrup, sugar, in Indiana. Ind. Farmers' Guide 100(3): 2. Feb. 1, 1944. 6 In2

Equipment and method of making syrup and sugar.

11553 HUGHES, E. B. Sugars and starches. Soc. Chem. Indus. Rpts. of the Prog. of Appl. Chem. (1942) 27: 379-392. London, 1943? 382 M31R

Starches, in collaboration with N. Goldberg.

Reviews the literature for the year on cane- and beet-sugar manufacture and the chemistry and utilization of starches.

11554 IRAZOZ, ANTONIO. Pronto seremos felices. Labor [Habana] 3(52): 3. Dec. 30, 1943. 8 L11

Cuba's favorable economic outlook, particularly with regard to the sugar industry.

11555 LIMA SOBRINHO, BARBOSA. Industriais e plantadores de canas, no período colonial. Rev. de Direito Agr. 1(1): 3-7. Nov. 21, 1942. 281.8 R323

The Brazilian sugar industry in colonial times.



11556 MIRANDA, V. C. DE. Razões e diretrizes do Estatuto da Lavoura Canavieira. Rev. de Direito Agr. 1(1): 11-27. Nov. 21, 1942. 281.8 R323  
Extract from a book in preparation on the Brazilian Sugarcane Production Statute.

11557 PATON, J. H. Importation of syrups made of cane sugar derivatives and honey. Amer. Bee Jour. 84: 13. Jan. 1944. 424.8 Am3

11558 PHILLIPS, S. M. By-products of sugar production. 3. Fuel oil and solvents. Mfg. Chemist 14: 393-394. Dec. 1943. 396.8 M31

11559 RISING, E. W. Prospects for large beet sugar production for 1944 not encouraging. Sugar Jour. 6(8): 13. Jan. 1944. 65.8 Su391

11560 RISING, E. W. Statement on the 1944 sugar beet program and prospects. Sugar Jour. 6(7): 15-16, 18. Dec. 1943. 65.8 Su391

11561 ROBBINS, P. W. Smoke in the sugar bush. Country Gent. 114(2): 22, 25-26. Feb. 1944. 6 C833  
Making of maple sugar, including suggestions on planting and care of trees, tapping, utensils and equipment, and preparation and care of the syrup and sugar.

11562 SALINAS, J. G. Humedad del aire como factor principal de deterioración del azúcar crudo. Hacienda 39(1): 15-16. Jan. 1944. 6 H11

11563 SÃO PAULO, BRAZIL. SECRETARIA DA AGRICULTURA, INDÚSTRIA E COMÉRCIO. DIRETORIA DE PUBLICIDADE AGRÍCOLA. A produção do álcool industrial. Rev. do Algodão 13(87): 16-17. Oct. 1943. 72.8 R322  
Sugar is recommended as the best source of industrial alcohol for São Paulo.

11564 STEPHAN, L. L. A little-known sugar bowl in Florida. Jour. Geog. 43: 49-62. Feb. 1944. 278.8 T82

Growing sugarcane along the south shore of Lake Okeechobee, Fla.

11565 U.S. OFFICE OF PRICE ADMINISTRATION. Sugar rationing regulations. Fed. Register 9: 574. Jan. 14, 1944. 169 F31  
Ration Order 3, Amend. 110.

11566 WORTH, A. H., ed. Why restrict sugar production. Crown 33(2): 13, 20. Feb. 1944. 389.8 C88

#### TOBACCO

11567 ANDERSON, P. J. Tobacco production; suggestions on possible methods of softening the violence of the post-war readjustment. New England Homestead 117(2): 6, 11. Jan. 22, 1944. 6 N442

11568 BROOKS, J. E. The library relating to tobacco collected by George Arents. N. Y. Pub. Lib. Bul. 45(1): 3-15. Jan. 1944. 243.7 N482

Description of the library, and a history of tobacco and its use.

11569 MARKS, G. H. Classification and grading of flue-cured tobacco grown in Australia. Austral. Council Sci. and Indus. Res. Jour. 16: 245-257. Nov. 1943. 514 Au72J

11570 ROSSINI, MARIO. Notas sobre la historia del tabaco. Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1627): 30-31. Dec. 4, 1943. 287 B866

11571 U. S. OFFICE OF PRICE ADMINISTRATION. Flue-cured tobacco; 1943 crop. Fed. Register 9: 455. Jan. 12, 1944. 169 F31

Maximum Price Regulation 441, Amend. 2.

#### MISCELLANEOUS PRODUCTS

11572 BARROS, P. P. DE. A ipecacuanha: extração - cultura e comércio. Rev. Bras. de Quím. (Ciencias e Indus.) 16: 126-127, 130, 132, 134. Aug. 1943. 385 R322

Discusses the botanical characteristics of the plant, extraction of the drug, cost of production, cultivation, exports, transportation costs, and price variations.

11573 BRIGGS, I. A. Guar--a new crop in Arizona. Agr. Leaders' Digest 25(1): 12, 14. Jan. 1944. 275.28 Am3

11574 HOPKINS, J. C. F. Stramonium collecting. Rhodesia Agr. Jour. 40: 293-299. Sept./Oct. 1943. 24 R34

Instructions for collecting, drying, and packing stramonium for export.

Reprinted as Bulletin No. 1243 of the Ministry of Agriculture and Lands of Rhodesia. (24 R345)

11575 MASON, C. F. Water dispersible and bulk-ing gums--2. Gum Karaya. Chem. Indus. 53: 858-860. Dec. 1943. 381 C426

Description of the gum, which is obtained from a species of trees common to southern Asia.

11576 VELLOSO, R. B. A arruda; algumas observações sobre espécies do gênero Ruta, seu cultivo, propriedades e utilidades. Vida Rural e Econ. 5(8): 34-36. Aug. 1943. 9.2 V663

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

11577 BURBANO, JAIME, and RUIZ P., CRISTOBAL. Monografía agrícola de la Provincia de Imbabura. Ecuador. Depto. de Agr. Div. de Econ. y Coop. Agr. Bol. 26, 118 p. Quito, 1943. 9.5 Ag8B

An agricultural survey of the Province, including soils, climate and vegetation, factors entering into the profitability of farming, crops produced and costs and amount of production, land tenure and land values, rural legislation, the native family, wages, and the future of agriculture in the Province.

11578 DÍAZ RODRÍGUEZ, JUSTO. Informe anual del Señor Director del Departamento de Tierras, al Señor Ministro de la Economía Nacional. Tierras y Aguas 5(57/58): 3-18. Sept./Oct. 1943. 282.8 T44

Includes discussion of public lands, Indians, and progress in land settlement and forestry, in Colombia.

11579 GÓMEZ GÓMEZ, CONRADO. Algunos aspectos sobre la importancia de la economía agrícola. Rev. de Agr. [Dominican Repub.] 34: 391-395. Mar./Apr. 1943. 8 R323

Reprinted from the May 1943 Revista Agropecuaria of Manizales, Colombia.

Discusses the application of economics to agriculture, methods of increasing agricultural production, intensity of land use, the labor factor and its importance, and possibilities in agriculture for Colombia.

11580 HENDERSON, W. O. The war economy of German East Africa, 1914-1917. Econ. Hist. Rev. 13 (1-2): 104-110. 1943. 277.8 Ec7

Includes agricultural economic conditions.

11581 HENNESSEY, J. F., JR. Central American production of strategic raw materials. Com. Pan Amer., v. 13, Nos. 1/2, 41 p., processed. Jan./Feb. 1944. 280.8 C736

11582 HOROWITZ, D. Balance sheet of two decades. Palestine and Middle East 15: 150-153. Oct. 1943. 286.8 P172

Excerpt from a study on the economic capacity of Palestine. Includes migration trends, expansion of the irrigated area, agricultural machinery and industry, trade, and rural life in Palestine and Middle Eastern countries.

11583 JARAMILLO ALVARADO, P. Situación política, económica y jurídica del indio en el Ecuador. (To be concl.) Ecuador. Min. de Previsión Social. Previsión Social, No. 12, p. 35-58. Jan./Apr. 1943. 281.8 Ec9

Includes historical and legal considerations as well as the place of the Indian in land and agriculture.



11584 MASON, D. I. El ministro general Mason se refirió a importantes problemas de nuestro agro. Argentina. Min. de Agr. Dir. de Propaganda y Pub. Noticioso 8: 119-110, 112. Oct. 5, 1943. 9 Ar311N

Takes up the need for increasing the rural population, the settlement plan of the Consejo Agrario Nacional, the livestock industry, and other phases of the country's agriculture.

11585 MONGE, L. E. Discurso pronunciado... en la inauguración de las sesiones ampliadas de la Cámara de Agricultura con los presidentes de los Centros Agrícolas. Ecuador. Primera Zona. Cam. de Agr. Rev. 6: 735-738. July/Aug. 1943. 9.4 Ec96

Touches upon labor and inflation and the cost of living.

11586 STOCKDALE, SIR FRANK. Development and welfare in the West Indies, 1940-1942. Report. Gt. Brit. Colonial Off.; Colonial No. 184, 93 p. London, H. M. Stationery Off., 1943. 280.14 G79

Contains a section on agriculture, with data on agricultural policy, farming systems, land settlement, marketing and processing of agricultural products, credit and expenditures, and education including rural central schools and school meals.

11587 TAWNEY, R. H. The abolition of economic controls, 1918-1921. Econ. Hist. Rev. 13(1-2): 1-30. 1943. 277.8 Ec7

General, with some attention to agricultural and food controls. Applies to Great Britain.

11588 WALKER, M. H. Formosa - Big important island, destined to revert to China. U. S. Dept. Com. Foreign Com. Weekly 14(1): 10-15, 38. Jan. 1, 1944. 157.54 F763

Discusses the crops produced and foreign trade.

11589 WILLIS, P. S. No cause for alarm. Rice News 11(2): 5-6. Dec. 1943. 59.8 R362

Discusses food prices, subsidies, and prospects for inflation.

#### AGRICULTURAL FINANCE

11590 GREEN, W. S. Money management is a farm and home problem. Ohio Farm Bur. News 23(6): 23. Jan. 1944. 6 Oh34

11591 LEWINSON, RICHARD. O plano de uma mercadoria-moeda. DNC; Rev. do Depto. Nac. do Café [Brazil]: 21: 395-399. Sept. 1943. 286.83 D44

Discusses plans for monetary stabilization in the post-war period, particularly the "storage plan" of Benjamin Graham which involved the maintenance of stocks of agricultural products.

11592 \*SCHMIDT, MAX. Landwirtschaftliche zukunftsfragen. Wiener Landw. Ztg. 92: 215-216. Aug. 1, 1942.

Importance of the farmer's and laborer's purchasing power to the domestic economy.

11593 VADEN, J. B. Financial security on the farm. Carolina Co-op. 22(1): 4. Jan. 1944. 72.8 W51

Outlines a financial program for farmers which includes payment of debts, avoidance of speculation, and purchase of war bonds.

#### Credit

11594 AS ATIVIDADES da Cooperativa Banco Rural de Itabuna, através do relatório de sua diretoria. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Coop. 2(22): 8-9. June 1943. 280.28 C7842

11595 AUGUSTUS, E. K. How's your line-of-credit? Ohio Farm Bur. News 23(7): 24. Feb. 1944. 6 Oh34

Credit service furnished by the Farm Bureau Agricultural Credit Corporation.

11596 AUGUSTUS, E. K. You should know about investment certificates. Ohio Farm Bur. News 23(6): 15. Jan. 1944. 6 Oh34

Recommends purchase of the investment certificates issued by Farm Bureau Agricultural Credit Corporation.

11597 EL BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A., aumenta sus créditos y sana sus finanzas. Mex. Sec. de Agr. y Fomento. Dir. de Econ. Rural. Bol. Mens., No. 212, p. 1503-1505. Jan. 1944. 254.5 Ag83

11598 BLACK, A. G. Increased farm output through credit aids. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 14-15. Dec. 1943. 1 Ec7Ag

11599 BROWNLEE, J. E. New Farmers' Creditors' Arrangement Act; act proclaimed and now in force. West. Farm Leader 9(1): 5. Jan. 7, 1944. 280.28 W52

A critical discussion of the Act.

11600 DORTON, R. E. Financing cotton in California. Burroughs Clearing House 28(4): 22-24, 37-38. Jan. 1944. 284.8 B94

11601 HU, SHIE-CHI. The credit union movement in China. Bridge 8(10): 10-11. Jan. 1944. 284.8 B76

The movement is predominantly rural and its chief service is to farmers.

11602 JONES, L. D. Farmers' co-op loan groups are supplemental, not competitive to private banks. Ohio Co-op. 3(11): 5. Jan. 15, 1944. 280.28 Oh32

11603 MACLEAN Y ESTENÓS, ALEJANDRO. Las cajas rurales. Coop. Agr. 4(40): 1, 3-5, 7. Feb. 1943. 8 H752

History of Raffelsen type cooperative rural banks and their use in Latin America.

11604 MENÉNDEZ CASTRO, CARLOS. Una reforma de la ley del Banco Hipotecario impónese, pues se desarrolla desde su dirección un mecanismo tal, que su ritmo acelerado vendría a ser un monopolio universalista comprometedor de la integridad moral y económica de nuestro país. Café de El Salvador 13: 139-141. Oct. 1943. 68.28 C112

Reprinted from the Diario Latino, Sept. 17, 1943.

11605 ORTEGA, POMPILIO. Quienes se beneficiarán con el crédito rural? Coop. Agr. 4(44): 1-2. June 1943. 8 H752

Agricultural credit problems in Honduras.

11606 PRIDDIE, T. P. Livestock industry in sound financial condition. Sheep and Goat Raiser 24(4): 8, 10. Jan. 1944. 45.8 Sh3

Includes discussion of credit for the livestock industry.

11607 ROCHA, C. P. DA. A cláusula de inalienabilidade nos contratos de penhor rural. Rev. de Direito Agr. 1(1): 54-57. Nov. 21, 1942. 281.8 R323

Refers to Brazilian legislation.

#### Income

11608 BARR, G. W. [Arizona] State's 1943 cash farm income--\$124,000,000. Ariz. Farmer 23(3): 11. Jan. 29, 1944. 6 Ar44

11609 DE WILD, J. H. Manufacturing, wholesaling, retailing--war boom year for Northwest. Com. West 87(3): 21, 23. Jan. 15, 1944. 286.8 C733

Includes farm income in the Northwest States.

11610 GROOM, B. E. North Dakota's great record--half billion in farm income. Com. West 87(3): 24-27, 51. Jan. 15, 1944. 286.8 C733

Agricultural production and farm income in 1943.

#### Inflation

11611 BOWLES, CHESTER. Farmers' stake in holding the line. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 22-23. Dec. 1943. 1 Ec7Ag

Cites the favorable economic position of farmers and asks them to help prevent inflation.



11612 MACKENZIE KING, W. L. New policy of wage control. Canada. Dept. Labour. Labour Gaz. 43: 1597-1601. Dec. 1943. 283.8 C16L  
Deals with the battle against inflation, the need for a floor on farm prices as a part of post-war policy, and wage control.

#### Insurance

11613 HOWELL, H. M. F. F. A. Future Farmers of America; develops mutual insurance program for livestock. Agr. Ed. Mag. 16: 129, 133. Jan. 1944. 275.8 Ag8

11614 ODEBRECHT, A. L. (Farm Bureau life) insurance anniversary month will be celebrated in March. Ohio Farm Bur. News 23(7): 9-10. Feb. 1944. 6 Oh34  
Notes benefits to be derived from this insurance.

11615 VALGREN, V. N. Wartime conservation activities of farmers' mutual fire insurance companies. Mutual Ins. Jour. News 39(2): 3-9. Feb. 1944. 284.68 M982

11616 WHITE, W. A. Insurance talks. Carolina Co-op. 22(1): 15. Jan. 1944. 72.8 N81  
Services of the Farm Bureau insurance companies.

#### Taxation

11617 ASOCIACIÓN CAFETALERA DE EL SALVADOR. La imposición tributaria a los cafetaleros; los impuestos deben basarse en la capacidad contributiva del sujeto, declara la Asociación Cafetalera. Café de El Salvador 13: 131-135. Oct. 1943. 68.28 C112

11618 CLAY, H. J. Corrections in sugar tax refund directions. Amer. Bee Jour. 84: 51. Feb. 1944. 424.8 Am3

11619 COOPER, M. Y. Inequity of real estate tax. Vital Speeches 10: 247-250. Feb. 1, 1944. 280.8 V83

The threat to local tax revenues posed by increasing Federal ownership of real estate.

11620 DOWELL, A. A., and TOBEN, G. E. Agricultural economists explain how income tax rates affect farm investments. Markets 11(51): 6. Feb. 3, 1944. 280.38 M343

11621 GALUSHA, H. D., JR. Ranchers and their tax bill. Mont. Wool Grower 18(1): 21. Jan. 1944. 45.8 M762

Suggestions to ranchers regarding their Federal income tax.

11622 SHOWERS, F. W. Anomalies and inequalities in local rating. Pub. Admin. 21: 145-156. Oct./Dec. 1943. 280.8 P963

Includes discussion of agricultural land.

11623 \*ST. Welche Lieferungen von baumwolle und schafwolle sind umsatzsteuerfrei? Monatschr. f. Textil Indus. 57: 87-88. Mar. 1942.

#### AGRICULTURAL LABOR AND WAGES

11624 ALLEVIATION of farm-labor shortage in Canada. U. S. Bur. Labor Statis. Monthly Labor Rev. 58(1): 59-61. Jan. 1944. 158.6 B87M

Data from a report by Clifford C. Taylor.

11625 ARSENAULT, L. Main d'oeuvre agricole. Bul. des Agr. 39(5): 16. May 1943. 7 B872

Suggestions for crops which will give the farmer the best returns for the labor expended.

11626 \*BLOHM, GEORG. Die zukünftige arbeitsverfassung unserer bäuerlichen landwirtschaft. Forschungsdiens 14: 217-231. 1942.

11627 BOND, G. E. Farm labor in 1944. R. I. State Col. Ext. Serv. Better Rural Life 5(1): 2. Jan. 1944. 275.29 R34B

11628 BORRON, P. G., JR. Salary adjustments for agricultural labor. Sugar Bul. 22: 69-70. Feb. 1, 1944. 65.9 Am32

11629 BOWDEN, WITT. Wartime wages, income, and manpower in farming. U. S. Bur. Labor Statis. Monthly Labor Rev. 58(1): 15-24. Jan. 1944. 158.6 B87M

11630 BRUNK, M. E. Getting farm jobs done despite scarce labor; practical application of fundamental work principles will save thousands of hours of labor for other jobs. Fla. Grower 52(1): 6, 8. Jan. 1944. 80 F6622

11631 \*CHUVIKOV, V. Zven'evaiâ organizatsiia truda v kolkhozakh. Organization of labor chains on the collective farms. Sotsialist. Selk. Khos. 14(1-2): 70.74. Jan./Feb. 1943.

11632 CITRUS harvest labor is recruited from the South. Citrus Mag. 6(7): 6, 13. Jan. 1944. 80 C498

11633 FITZGERALD, KEVIN. Some memories of a farm apprenticeship thirty years ago. Farmers Weekly [London] 19(26): 24-25. Dec. 23, 1943. 10 F2226

11634 FOUST, E. C. No one shall go hungry, say our 'farm reserves.' Hoosier Farmer 29(2): 10. Feb. 1944. 280.82 H76

Recruiting of labor.

11635 GAUTREAU, J. J. L'attelage multiple. Bul. des Agr. 39(5): 17. May 1943. 7 B872

Describes a system of multiple harnessing of horses on the farm so that one man may handle additional work and partially solve the labor-shortage problem.

11636 GONÇALVES, ALVARO. Aristocracia rural e fidalgos do café. IX. DNC; Rev. do Depto. Nac. do Café [Brazil] 21: 403-407. Sept. 1943. 286.83 D44

Describes a plan of importing labor and settling it on coffee plantations in nineteenth-century Brazil.

11637 HARDIN, L. S. Do you have to work so hard? Farm Jour. 68(2): 20-21. Feb. 1944. 6 F2212

How to do farm jobs the most efficient way.

11638 HOW THE new wage and hour law affects the canning industry in the West. West. Canner and Packer 36(1): 54-57. Jan. 1944. 286.83 W522

A five-year review of effects of the Fair Labor Standards Act, enacted in 1938.

11639 JETER, F. H. "A tough job - but we did it." Prog. Farmer., Car.-Va. Ed. 59(2): 13, 61. Feb. 1944. 6 F945

How North Carolina farmers solved their 1943 farm labor problems by exchange of labor and equipment.

11640 KELSEY, R. T. A pattern for ownership; Goodyear makes apprentice farm plan work. Ohio Farmer 193(3): 5. Feb. 5, 1944. 6 Oh3

11641 KEMMERLY, C. E., JR. Meeting the farm labor problem in Louisiana. La. Rural Econ. 5(4): 2-3, 7. Nov. 1943. 281.8 L93

11642 \*LÖHR, LUDWIG. Die bäuerliche arbeit unter betriebswirtschaftlicher und agrarpolitischer beurteilung. II. Agrarpolitischer teil. Wiener Landw. Ztg. 92: 105-106, 113-114. Apr. 18, 25, 1942.

On the valuation of agricultural labor.

11643 MACNAMARA, A. Canada's farm labour program. Canada. Dept. Labour. Labour Gaz. 43: 1617-1621. Dec. 1943. 283.8 C16L

11644 MCVOY, E. C. Wartime changes in employer-employee relations in agriculture. Rural Sociol. 8: 356-363. Dec. 1943. 281.28 R58

Developments in the status of and national policy toward farm labor.

11645 MARTIN, PAUL. Problems confronting labor conditions in Canada. Canad. Dairy and Ice Cream Jour. 23(1): 45-46, 52. Jan. 1944. 44.8 C162

Notes steps taken to assure a labor supply for agriculture.

11646 MOBILIZATION of cannery labor in 1944; plans of the War Manpower Commission for recruiting cannery labor. Canning Trade 66(28): 34, 36, 38-39. Feb. 7, 1944. 286.83 T67



11647 MUIR, AUGUSTUS. Los agricultores británicos resolviendo el prob. de mano de obra. Agrario [Santiago, Chile] 8(325): 4, 28. Oct. 11, 1943. 9.3 Ag85

Discusses supplementary agricultural labor on farms in Great Britain.

11648 OFFRINGA, D. D. Bean-picking "bees" bring out the townspeople. U. S. Ext. Serv. Ext. Serv. Rev. 15(1): 12-13. Jan. 1944. 1 Ex892Ex

Community cooperation in bean harvesting.

11649 PEARCE, S. C. An investigation into means of reducing the labour needed for recording crops. East Malling [Kent, Res. Sta. Ann. Rpt. (1942) 30: 36-40. London, 1943. 103 Ea7

11650 POULTON, R. W. Farm ownership--the free enterprise way! Breeder's Gaz. 109(2,2585): 8, 21-23. Feb. 1944. 49 B74

Explanation of the Apprentice Farmer project on Goodyear Farms, near Phoenix, Ariz.

11651 RODRIGUES DE SOUZA, J. M. La situación de la campaña y los salarios rurales. (To be cont.) Diario Rural 4(331): 12; (332): 12; (334): 13. Nov. 20, 24, Dec. 1, 1943. 9.9 D54

11652 SAMPLE, G. W. How about manpower supplies? Successful Farming 42(2): 19, 56, 57. Feb. 1944. 6 Sul2

The farm labor situation.

11653 TAEUBER, CONRAD. Agricultural underemployment. Rural Sociol. 8: 342-355. Dec. 1943. 281.28 B88

11654 THAYER, MRS. HARRIET. Philippine labor gains victory in court against unjust practices in the Island. Rice News 11(2): 11. Dec. 1943. 59.8 B362

Describes wage-withholding practices to which Philippine labor has been subjected.

11655 TIRVIZ, E. A. What's new in the farm labor front? N. Mex. Ext. News 24(1): 7. Jan. 1944. 275.29 N463Ex

11656 WHAT is your chore milage? Business efficiency may begin in the dairy barn where time, travel, labor and fatigue may be reduced by job analysis and proper changes in barn plans and operations. Ayrshire Digest 39(1): 8-9, 43-44, 52-54, 56. Jan. 15, 1944. 43.8 Ay7

11657 WURTH, W. C. Man-power - principles and problems. Austral. Quart. 15(3): 18-32. Sept. 1943. 280.8 Au7

Includes measures dealing with agricultural labor in Australia.

#### Youth

11658 CHASE, C. T., JR. Adventures in food raising. Camping Mag. 16(1): 8-10, 19. Jan. 1944. 280.68 C15

The Eaglebrook Farm Work Camp for young people.

11659 WARBURTON, A. A., WOOD, HELEN, and CRANE, M. M. The work and welfare of children of agricultural laborers in Hidalgo County, Tex. U. S. Children's Bur. Pub. 298, 74 p. Washington, 1943. 158.2 P96

Based on a study of 342 families, chiefly of Mexican background, made in 1941.

Summarized in Survey 80(1): 13-15. Jan. 1944. 280.8 C37

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

11660 AMUNATEGUI, FRANCISCO. Las riquezas agrícolas de Rumania. Campestino [Santiago, Chile] 75: 749-750. Nov. 1943. 9.3 Sol2

Brings out the size of agricultural production in Rumania, noting that the country is self-sufficient. It has a surplus for export and is in a position to be one of the chief sources of supply for the European market.

11661 ANSTEY, VERA. The economic reconstruction of India. Agenda 2: 339-350. Nov. 1943. Ref. 280.8 Ag3

Suggests that a decrease in the importance of agriculture is necessary to an increased standard of living.

11662 ARCA PARRÓ, A. El inventario del potencial económico de la nación peruana. Estadística 1(4): 122-127. Dec. 1943. 251.8 Es8

On the decree of August 20, 1943, providing for study of Peru's production possibilities.

11663 BAKER, K. W. Programa de serviço de extensão. Ceres 4: 285-290. May/June 1943. 9.2 C332

Describes the food production program of the U. S. Office of the Coordinator of Inter-American Affairs which is being carried out with the cooperation of the Brazilian Government, the need for an extension service in Brazil, and the work of the U. S. Extension Service.

11664 BERZAGHI, M. N. Produzir. Ouro Branco 9(4): 10. Aug. 1943. 72.8 Ou7

Notes difficulties in planning production on the farm because of changes in the market, recommending diversification of products so as to avoid a shortage of foods without endangering the production of crops on a large scale for which there is a good market at the moment.

11665 CLARK, NOBLE. The farmer and the food situation. Inst. Food Technol. Proc. 1943: 1-10. 389.9 In7

National agricultural policy.

11666 CRESPO ORDÓÑEZ, NICOLÁS. Información relacionada con las sesiones ampliadas de la Cámara de Agricultura de la Primera Zona y los Centros Agrícolas de la Sierra. Ecuador. Primera Zona. Cám. de Agr. Rev. 6: 703-709. July/Aug. 1943. 9.4 Ec96

On the program of agricultural development in Ecuador in cooperation with the United States Government.

11667 CROSS, A. F. Is New Brunswick unlucky? Canad. Business 17(1): 40-43, 130, 132, 134, 136. Jan. 1944. 287 C162

New Brunswick's agriculture is briefly described.

11668 DAVIS, J. S. Food as an implement of war; the responsibilities of farmers. Vital Speeches 10: 235-240. Feb. 1, 1944. 280.8 V83

11669 THE DISTRICT War Agricultural Committee organization [in South Australia]. So. Austral. Dept. Agr. Jour. 42: 87-91. Sept. 1943. 23 So84

11670 DODD, N. E. Administering 1944 agricultural programs locally. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 9-10. Dec. 1943. 1 Ec7Ag

11671 ETCHEVERRY, B. M. Problemas ganaderas que plantó en su discurso el Dr. B. M. Etcheverry. Diario Rural 4(332): 14. Nov. 24, 1943. 9.9 D54

Measures needed for the reconstruction of Uruguayan agriculture.

11672 FORSTER, G. W. Agriculture's decline creates big problem. South. Planter 105(2): 31, 34, 35. Feb. 1944. 6 So89

11673 GARLAND, J. H. The western reserve of Connecticut: geography of a political relic. Econ. Geog. 19: 301-319. July 1943. 278.8 Ec7

Description of northeastern part of Ohio, including agriculture and crops.

11674 GEITH, R. Die förderung der alpinen landwirtschaft. Wiener Landw. Ztg. 92: 187. July 4, 1942.

11675 GUNSTON, J. Our potential farmers. Field 183(4749): 7. Jan. 1, 1944. 10 F46

Considers what Government policy should be in Great Britain with regard to the youth who want to farm.

11676 GUSLER, GILBERT. The farm outlook for 1944. Mont. Farmer 31(9): 6, 23. Jan. 1, 1944. 6 M764



- 11677 HANGCOCK, F. W. Greater output from small farms. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 16-17. Dec. 1943. 1 Ec7Ag  
Program of the U. S. Farm Security Administration.
- 11678 HELLER, R. The farm outlook for 1944. Mich. Farmer 203(2): 5, 8. Jan. 15, 1944. 6 M58
- 11679 HENNING, C. N. Korea - Looking forward to an altered political and economic status. U. S. Dept. Com. Foreign Com. Weekly 14(1): 5-9, 38-40. Jan. 1, 1944. 157.54 F763  
Agriculture and agricultural problems are discussed.
- 11680 HUDSON, R. S. Minister of Agriculture's address to the Council of Agriculture. London Corn Cir. 100(102): 11, 12. Dec. 20, 1943. 286.81 L84  
Developments in the British agricultural situation and policy.
- 11681 INDIA'S economic needs. Economist [London], 145: 804-805. Dec. 18, 1943. 286.8 Ec7  
The Indian Prospect - I.  
The need for increasing output from agriculture is noted.
- 11682 JONES, J. M. Caribbean laboratory; there we can learn the potentials of U. S. influence on world colonial policy. Fortune 29(2): 124-127, 256, 258, 260, 262, 264, 266, 269-270, 272. Feb. 1944. 110 F772  
Includes agricultural policy.
- 11683 KING, O. F. Connecticut agriculture; agriculture in war time. Conn. Circle 7(1): 16-17. 19. Jan. 1944. 280.8 G7632
- 11684 LADEJINSKY, W. I. Agriculture in Ceylon. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8(1): 3-20, processed. Jan. 1944. Ref. 1.9 Ec7For  
A survey which includes population and social conditions, land utilization, types of farming, and the livestock industry.
- 11685 LINCOLN, M. D. Need new approach to farm problems. Ohio Farm Bur. News 23(7): 6-8. Feb. 1944. 6 Oh34  
Suggests an economic rather than a legislative approach to the solution of the farmer's problems, with emphasis on cooperation.
- 11686 MAHEUX, GEORGES. Nouvelles du front agricole mondial. Bul. des Agr. 39(5): 20-21. May 1943 7 B872  
Brings out the importance of maximum agricultural production for Canada and Quebec, stating that large food reserves will be necessary to help in the rehabilitation of Europe.
- 11687 MATHER, EUGENE. Tropical agricultural production for consumption in the United States. Jour. Geog. 43: 76-78. Feb. 1944. 278.8 T82
- 11688 MAY, C. O. Adjusting agricultural production for '44. Mich. Farmer 202(3): 5, 8. Feb. 5, 1944. 6 M58
- 11689 OKLAHOMA FARMERS UNION. Resolutions and recommendations, 39th annual convention. Okla. Union Farmer 25(2): 1, 2. Feb. 1, 1944. 280.28 Ok4
- 11690 OLLEA, D. E. Los productos agrarios son riquezas de incalculable valor para la postguerra; debemos intensificar en las chacras, todo lo posible las siembras y aumentar la producción al máximo; no hay duda que pronto habrá grandes demandas. Gac. Algodonera 20(237): 1-2. Oct. 31, 1943. 72.8 G11
- 11691 PENSO URQUIJO, EDUARDO. La vinculación del campesino a la tierra en forma real debe ser nuestro primordial interés. Cultura Agraria [Barranquilla], No. 26, p. 8-9, 12. July 1943. 9.4 C89  
Report to the Governor on the agricultural situation of the Department of Atlántico, Colombia. Advocates the creation of small holdings of a ten-acre minimum for farmers and of one hectare for the populated centers.
- 11692 RAMSAY, ALAN. Searchlight on our war committees. (1) The organization is created. (2) Powers the committees exercise. Farmer & Stock-Breeder 58: 28-29, 49, 68. Jan. 4, 11, 1944. 10 F228  
On the growth and development of the British War Agricultural Executive Committees. A chart shows their organization.
- 11693 RICOSSA, J. A. La ex-gobernación de los Andes; cambios en la fisonomía de tres provincias argentinas. Rev. Geog. Amer. 20: 249-258. Nov. 1943. 475 R322  
On the abolition of the Argentine Territory of Los Andes and on its agriculture.
- 11694 RUSSELL, SIR E. J. Three choices for agriculture. Country Life [London] 94: 1030-1031. Dec. 10, 1943. 80 C83  
A summing-up of Country Life's series on a four-year plan for British agriculture.
- 11695 SANTAELLA, JOAQUÍN. La producción agrícola de México. Economista [Mexico] 10(118): 31-32. Jan. 16, 1944. 280.8 Ec793  
Notes a proposed change in part 14 of article 27 of the Mexican Constitution, to make certain guarantees to the small farmer in order to increase production.
- 11696 SCHAUB, I. O. Dean Schaub's 1944 farm recommendations. Prog. Farmer, Car.-Va. Ed. 59(2): 5, 30. Feb. 1944. 6 P945
- 11697 SCHNEITER, FRITZ. Gebirgsbauernpolitik. (To be cont.) Wiener Landw. Ztg. 92: 307. Oct. 3, 1942.  
Policy and problems in the improvement of agriculture and rural life in the Alpine districts.
- 11698 SEIFERT, H. A. "Total war footing" demanded for N. Z. farming. Stock and Land 33(48): 14. Dec. 1, 1943. 49 St63  
Recommended changes in agricultural policy.
- 11699 SHANTZ, H. L. Agricultural regions of Africa. Econ. Geog. 19: 217-269. July 1943. 278.8 Ec7  
Distinguishes and describes 13 different regions and their products.
- 11700 SHOOBRIDGE, H. W. Farm problems. Tasmanian Farmer 7(3): 8-9. Dec. 1943. 23 T186  
The question of Government aid to agriculture.
- 11701 STANIFORD, J. D. The farmer chooses freedom. Nation's Business 32(2): 25-26, 74. Feb. 1944. 286.8 N212  
A criticism of the Government's agricultural policies.
- 11702 STOLTZ, E. H. Farmers have high mark to shoot at. Farmer's Mag. 41(1): 9, 38-39, 42. Jan. 1944. 7 G165  
Agricultural production goals and prospects in Canada for 1944.
- 11703 TORRES HERRERA, J. M. El Choco. Bol. Agr. [Medellín], No. 290, p. 2146-2148. Sept. 1943. 9.4 Sol  
Brief account of conditions in the Intendencia Nacional del Chocó, including agriculture and rubber production.
- 11704 TWOMEY, D. Danger of dependence on imported food supplies. Farmers' Gaz. [Dublin] 103: 557. Dec. 25, 1943. 10 F221  
Recommendations for increased agricultural production.
- 11705 UPCHURCH, W. H. Measuring war food production in Randall County, Tex., U. S. Ext. Serv. Ext. Serv. Rev. 15(1): 5. Jan. 1944. 1 Ex892Ex  
Production expressed in terms of the total food requirements of one soldier for one year.
- 11706 VICTORIA. WAR AGRICULTURAL COMMITTEE. CENTRAL EXECUTIVE. War agricultural committee notes; a year's operations. Victoria. Dept. Agr. Jour. 41: 548-550. Nov. 1943. 23 V66J



- 11707 WALKER, J. F. A sheep farmer speaks up: tells what agriculture needs most. Sheep Breeder 64(2): 4-5. Feb. 1944. 45.8 Am31
- 11708 WALL, P. F. Farming under the Soviets; details of the systems successfully inaugurated in Russia; no dead-level in remuneration. Farmer's Weekly [Bloemfontein] 66: 316-317. Nov. 3, 1943. 24 F225
- 11709 WILSON, M. L. Bringing 1944 programs to farmers. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 12-14. Dec. 1943. 1 Ec7Ag
- 11710 WITT, L. W. Effects of the war on Latin American agriculture. Brazil. Business 23: 270, 272, 274, 289. Aug. 1943. 286.8 B732

#### Agriculture, Post-War

- 11711 B., S. Restaurando la agricultura de Europa. Agrario [Santiago, Chile] 8(326): 5. Oct. 30, 1943. 9.3 Ag85
- 11712 BEAR, E. M. Post-war horticulture; long-term policy aspect. Fruit-Grower, Fruiterer, Florist & Market Gard. 97: 47-48, 52. Jan. 20, 1944. 80 F941
- 11713 BROMFIELD, LOUIS. The role of agriculture in the post-war world. Conf. of Executives of State and Local Trade Assocs. Proc. (1943)7: 57-66. 280.9 C7622
- 11714 COMISIÓN URUGUAYA DE FOMENTO INTERAMERICANO. Memorandum sobre la futura orientación de la economía nacional. Unión Indus. Uruguay. Rev., Época 3, año 45, 3 p. preceding p.1231. Aug. 1943. 280.8 R327
- Reports on a plan of studies on post-war Uruguayan economy to be undertaken by the Commission. Reorganization of the farming industry is included.
- 11715 CUNDINAMARCA inicia un plan de post-guerra para producción rural. Vida Rural 5(51): 6-11. Oct. 1943. 9.4 V66
- Discusses a program for development of rye production, the growing of kikuyu, increase of cooperation in agriculture, and development of the livestock industry.
- 11716 MORSE, T.D. The road ahead for agriculture. Farm Mach. and Equip. 1921: 5-6, 32-33. Jan. 1944. 58.8 F225
- Appraisal of probable agricultural developments and conditions in the post-war period.
- 11717 PAGE, SIR EARLE. Australian post-war development. (Article 2.) Country Life [Sydney] 55 (22): 9. Nov. 26, 1943. 286.85 Sy2
- Australian agricultural production in relation to the needs of an increased population.
- 11718 SMITH, R. C. Preparing now for post-war agriculture. U. S. Rural Electrification Admin. Rural Electrification News 9(5): 4-5. Jan. 1944. 173.2 R38Rn
- 11719 THOMSON, C. A. Agriculture when the shooting ends. West. Farm Leader 8(24): 5. Dec. 17, 1943. 280.28 W52
- On the need for retaining Government regulations on farm products after the war is ended.
- 11720 VELLORE JUNIOR FARMERS' ASSOCIATION. Vellore's post war opportunities. Junior Farmers survey their community in interests of returned men. Farmer's Mag. 41(2): 7, 17, 37. Feb. 1944. 7 C165
- The survey covered an area 25 to 35 miles north-west of Toronto, Canada, and showed farming opportunities available to veterans.
- 11721 WATSON, JOHN. Post war world requirements of the American farmer. Pacific Dairy Rev. 48(1): 28-30. Jan. 1944. 286.85 P11
- 11722 WELLINGTON KOO, V. K. Some trends of future development in China. United Empire 34: 175-179. Nov./Dec. 1943. 501 L844U
- Includes increased food production.

- 11723 WICKARD, C. R. Another winter may be too late. U. S. Ext. Serv. Ext. Serv. Rev. 15(1): 3. Jan. 1944. 1 Ex892Ex
- Post-war planning for agriculture.

#### Subsidies

- 11724 BOWLES, CHESTER. Here's how I look at subsidies. Paper Mill News 67(3): 10, 12. Jan. 15, 1944. 302.8 P195
- 11725 HARPER, F. A. The question of subsidies. Amer. Butter Rev. 6(1): 10, 12. Jan. 1944. 44.8 Am37
- 11726 SCHENCK, H. E. Shall we have food subsidies? Hoosier Farmer 29(1): 4-5. Jan. 1944. 280.82 H76
- Argues against consumer subsidies.
- 11727 SCHNURER, HERMAN. Subsidies; or, vitamins are good for you. Antioch Rev. 3: 612-617. Winter 1943. 280.8 An82
- The present controversy over food subsidies.
- 11728 U. S. OFFICE OF PRICE ADMINISTRATION. Food subsidies in Canada. U. S. Off. Price Admin. Div. Res. Foreign Inform. Ser., No. 19, 13 p., processed. Washington, 1943. 173.403 F76
- 11729 WARNE, C. E. Subsidies - the road to stabilization? Current Hist. 6(29): 25-32. Jan. 1944. 110 C93
- Summarizes the arguments for and against subsidies.
- 11730 WILSON, EARL. Food subsidies not needed to win the war. Hoosier Farmer 29(2): 9, 15. Feb. 1944. 280.82 H76

#### FARM MANAGEMENT AND LAND ECONOMICS

- 11731 ANDERSON, RAY. This farm is a factory; the Honeymors show how one family can practice "vertical diversification" now. Farm Jour. 68(2): 23. Feb. 1944. 6 F2212
- 11732 BERESFORD, M. W. Lot Acres. Econ. Hist. Rev. 13(1-2): 74-79. 1943. 277.5 Ec7
- Agricultural system of a medieval manor in the Midlands of England.
- 11733 COSTELLO, D. F. Post-war thinking for the cattle breeder. Amer. Hereford Jour. 34(17): 36, 38-39, 42, 66. Jan. 1, 1944. 43.8 Am32
- Range and livestock management.
- 11734 DAVID, EFAN. The Northumberland farming report. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 395-399. Dec. 1943. 10 G79J
- Describes wartime improvements in farming methods and management policy.
- 11735 EPSTEIN, E. M. The Farm City Scheme. Palestine and Middle East 15: 214, 218. Nov. 1943. 286.8 P172
- A part-time farming scheme in Palestine promoted by the Jewish National Fund.
- 11736 FINN, HUGH. Specialising in mixed farming. Farmer & Stock-Breeder 58: 66. Jan. 11, 1944. 10 F228
- Describes the system as followed at Mackington Farms, Canterbury.
- 11737 FOWLER, B. B. From wheat to bacon. Country Gent. 114(2): 13, 65, 67-68. Feb. 1944. 6 C833
- Shift from grain farming to livestock and poultry farming, with emphasis on bacon production, in the Prairie Provinces of Canada.
- 11738 GREEN, E. B. Where live stock rank second to seeds. Farmer & Stock-Breeder 57: 2030, 2031. Dec. 28, 1943. 10 F228
- Describes the management and equipment on a farm which the owner is running with a minimum of livestock.



11739 HEIMPEL, L. G. Mr. L. A. Smart, master farmer. *Macdonald Col. Jour.* 4(4): 10-11. Dec. 1943. 101 M144

Describes Mr. Smart's farm and management practices.

11740 HOBLYN, T. N. The value of a fruit farm census. *East Malling Kent, Res. Sta. Ann. Rpt.* (1942) 30: 93-96. London, 1943. 103 Ea7

11741 HUSTON, B. T. Finer stores, curtailed credits are postwar hopes for retailers. *Canad. Grocer* 58(2): 26-27, 31. Jan. 15, 1944. 286.83 C162  
Fifth article in the series. Development of mixed farming in western Canada is brought out.

11742 LEMONS, EDD. "Star farmer" wins in spite of physical handicap. *Acco Press* 22(1): 6-7. Jan. 1944. 6 Ac2

Story of Wayne Boothe, a 19-year old farmer in Oklahoma.

11743 LOCKLEY, R. M. 1943 has not brought money. *Farmer & Stock-Breeder* 57: 1879. Nov. 30, 1943. 10 F228

The writer discusses his experiences in farming marginal land for wartime production, stating that if the farm does not pay in the post-war period the State will have to pay the difference between loss and profit.

11744 MORRISON, S. R. Experienced management too often under valued. *South. Stockman* 4(1): 74. Jan. 1944. 49 So83

Need for experienced managers in livestock farming.

11745 PLATT, K. B. Twenty million acres of grazing land. *Oreg. Dept. Agr. Bul.* 140, p. 3-4, 28, 29. Dec. 1943. 2 Or3

Range lands and their management in Oregon.

11746 PREWITT, ED. Partners—father and son. *Hoosier Farmer* 29(2): 22-23. Feb. 1944. 280.82 H76

11747 ROSE, RUSSELL. Protection for our grazing lands. *Rec. Stockman* 54(52, 1944 Ann. Ed.): 92-93. Dec. 30, 1943. 49 P43

Management and utilization.

11748 SUFFILL, T. L. The Biroms - a pagan tribe on the Plateau Nigeria. *Farm and Forest* 4: 179-182. Dec. 1943. 24 F226

The Birom are an agricultural people and their farming methods are described.

11749 TAYLOR, JULIA. The Reynolds have a plan. *South. Planter* 105(2): 13. Feb. 1944. 6 So89

Management of Mr. and Mrs. Clinton Reynold's farm and home in Shenandoah County, Va.

11750 THOMSON, L. B. Efficiency in production is key towards stability. *Weekly Market News & Mod. Farmer* 22(2): 3. Jan. 12, 1944. 286.81 G762A

#### Cost of Production

11751 ABRAHAMSEN, M. A. Orchard depreciation; a long neglected expense item. *Amer. Fruit Grower* 64(1): 10, 14. Jan. 1944. 80 G55

11752 BATH, T. H. Wheatgrowing costs. *Primary Prod. [Perth, W. Austral.]* 28(46): 4. Nov. 18, 1943. (Wheat Notes and Comments) 23 P932

Criticizes the scope of the inquiry into wheatgrowing costs in Australia.

11753 COSTO de producción del arroz y del trigo en la región del Yaqui, Son. (Concl.) *Mex. Sec. de Agr. y Fomento. Dir. de Econ. Rural. Bol. Mens., No.* 212, p. 1505-1508. Jan. 1944. 254.5 Ag83

Includes cost of production as a factor in price determination.

11754 COX, R. B. Where is the profit in milk? *Farmer & Stock-Breeder* 57: 2027. Dec. 28, 1943. 10 F228

Presents a balance sheet showing income and expenditures in milk production.

11755 DOWNEY, L. A. Let's keep the pig industry in its proper perspective. *Victoria. Dept. Agr. Jour.* 41: 537-539. Nov. 1943. 23 V66J

Deals with economic aspects of the industry, including production costs and prices.

11756 FERGUSON, D. B. Sharp rise in cost of growing canning crops. *Canning Trade* 66(26): 10, 17. Jan. 24, 1944. 286.83 T67

11757 HEADLEY, F. B. Relative cost of producing large and small turkeys. *Calif. Cult.* 91(1): 20. Jan. 8, 1944. 6 C12

11758 \*PETERSEN, NILS. Die rente der schweinemast bei verschieden starker fütterung. *Wiener Landw. Ztg.* 92: 280-281. Oct. 3, 1942.

Results of Danish and English studies.

11759 QUINTANA BURGOS, ALFONSO. "El Gobierno comprueba una vez más, con verdadero agrado, los esfuerzos de los agricultores del país," dijo el Ministro de Agricultura al inaugurar la 73.ª Exposición de animales. *Agrario [Santiago, Chile]* 8(326): 8-9, 14. Oct. 30, 1943. 9.3 Ag85

Describes what the Government in Chile is doing to lower agricultural costs of production and other ways in which it is helping the farmer.

11760 SOUZA JOR., J. O. DE. O custo de produção no setor agro-pecuário. *Ouro Branco* 9(3): 12-14; (4): 11-12. July-Aug. 1943. 72.8 Ou7

Discusses the factors which increase the farmer's costs of production, making suggestions for the improvement of agricultural credit in Brazil and proposing an agricultural program.

11761 TEPPER, A. E. Shall we raise grain for poultry feed? *New England Homestead* 117(2): 16-17. Jan. 22, 1944. 6 N442

Includes data on cost and returns for grain grown in New York.

#### Land Settlement and Colonization

11762 \*ACHILLES, MAX. Beiträge, zur ländlichen neuordnung in Mecklenburg. *Neues Bauerntum* 35: 117-121. Apr./May 1943.

Data for the reconstruction of settlements.

11763 BEATY, L. R. A new start for 36 (i. e. 35) farm families. *Prog. Farmer., Tex. Ed.* 59(2): 12. Feb. 1944. 6 T311

A 5600 acre Zavala County spinach farm was made into farm homes for landless families with the help of the Farm Security Administration.

11764 CADENA GARZÓN, FAUSTINO. Proyecto de colonización y fomento agrícola en el Caquetá [Colombia]. *Vida Rural* 5(52): 9-10. Nov. 1943. 9.4 V66

11765 COMSTOCK, ALZADA. Migrations and the great dominions. *Current Hist.* 6: 121-125. Feb. 1944. 110 C93

Possibilities for land settlement and colonization in Canada and Australia.

11766 GOLDSCHMIDT, W. R. Some evidence on the future pattern of rural resettlement. *Rural Sociol.* 8: 387-395. Dec. 1943. 281.28 R88

Based on a study of farm settlement patterns in five selected areas in Idaho, Washington, and Oregon.

11767 GORDON, A. C. Planning for soldier settlement on irrigation areas in post-war years. *Austral. Inst. Agr. Sci. Jour.* 9: 173-178. Dec. 1943. 23 Au74

11768 GRATTAN, C. H. Postwar migration: a mirage. *Harper's Mag.* 118(1123): 24-33. Dec. 1943. 110 H

Shows by examples that there are no longer attractive areas for frontier settlement and that present and prospective demand can best be met by intensification of production in areas already settled.

11769 \*HAUSHOFER, H. K. Umlegung, dorfaufbau und gemeinschaftsaufbau. *Wiener Landw. Ztg.* 92: 293-294. Oct. 17, 1942.



11770 HOWENSTINE, E. J., JR. Public works program after World War I. Jour. Polit. Econ. 51: 523-537. Dec. 1943. 280.8 J82

Land-settlement plans, p. 531-534.

11771 \*STEIN, FRIEDRICH. Rechtsänderungen bei siedlungskrediten. Neues Bauerntum 35: 124-125. Apr./May 1943.

#### Land Tenure

11772 ANCÍZAR, ENRIQUE. Realidad agraria nacional. Rev. Nac. de Agr. [Bogotá] 37(473): 28-29. Nov. 1943. 9.4 R32

Describes conditions of land tenure and values in Colombia and outlines the policy needed in order to increase agricultural production.

11773 BALDOCK, J. M. A sailors' [sic] plan for farming. Dairy Farmer [Ipswich] 17(1): 18. Jan. 1944. 44.8 D1414

States the case against land nationalization and notes the requirements of a successful agricultural policy.

11774 CENTRAL LANDOWNERS' ASSOCIATION. EXECUTIVE COMMITTEE. Report... adopted by the Council on November 25, 1943. Cent. Landowners' Assoc. [London] Jour. 23: 300-312. Dec. 1943. 282.9 C33J

Contains, p. 301-305, a memorandum submitted by the Association to the Chancellor of the Exchequer on the present and post-war financial position of the owner of agricultural land.

11775 D. Termination of agricultural tenancy. Scot. Farmer 52: 229. Jan. 1, 1944. 10 Sco8

11776 ELORZA, J. M. Se ocupó de importantes problemas rurales el señor José M. Elorza en el discurso pronunciado en la Exposición de Paysandú. Diario Rural 4(315): 13-14, 15. Sept. 25, 1943. 9.9 D54

Discusses agricultural problems including the livestock industry and land tenure in Uruguay.

11777 \*GEBERT, WALTER. Der landnutzungsaustausch als selbsthilfe im kriege. Neues Bauerntum 35: 112-117. Apr./May 1943.

Consolidation of holdings and how it was carried out in Oberarnbach in the Westmark.

11778 GÓMEZ, M. R. Datos estadísticos e informes diversos sobre las reparticiones agrarias, producción agrícola, etc., de México. Economista [Mexico] 10(118): 9-15. Jan. 16, 1944. 280.8 Ec793

Distribution of land to ejidatarios, financial aid to ejido farmers, and crop production in Mexico.

11779 \*KASERER, HERMANN. Die durchführung der grundstückzusammenlegung. Einige bemerkungen zum aufsatz von Dr. Ing. Hermann Kallbrunner. Wiener Landw. Ztg. 92: 122. May 2, 1942.

11780 KUTISH, FRANCIS. Writing satisfactory farm leases. Your Farm 2(4): 1-6. Feb. 1944. 6 Y8

11781 LOPES, H. M. Sobre o imposto territorial. Vida Rural e Econ. 5(8): 56-57. Aug. 1943. 9.2 V662

Distribution of farms by size and land values in Rio Grande do Sul, Brazil.

11782 MAC COLL, E. D. Problemas de la tierra. Diario Rural 4(326): 16. Nov. 3, 1943. 9.9 D54

Plans for land distribution to small farmers, the reasons why the small farm tends to be absorbed by the latifundium, and the need for cooperation in Uruguay.

11783 MORRIS-JONES, SIR HENRY. Land nationalisation? Dairy Farmer [Ipswich] 17(1): 11-12. Jan. 1944. 44.8 D1414

A summing up of the question.

11784 RODRIGUES, J. M. Proprietarios rurais. Agr. e Pecuaria 16(246): 20. Sept. 1943. 9.2 Ag89

Gives figures for ownership of Brazilian rural properties by Brazilians as compared with people of other nationalities, for farms of less than 5 alqueires and of 5 to 25 alqueires.

#### Land Utilization

11785 JONES, G. I. The human factor in land planning. Farm and Forest 4: 161-166. Dec. 1943. 24 F226

A land classification map for the Owerri Province of Nigeria is included.

11786 LEVIN, D. R. Highway land acquisition costs and practices in Illinois and Wisconsin; a study of the Three-State Highway. U. S. Pub. Roads Admin. Pub. Roads 23: 253-266. Oct./Dec. 1943. 1 R53P

As of September 1939, 67 percent of the area acquired consisted of agricultural lands.

11787 ROY, J. B. Vergers de Frélichsburg. Bul. des Agr. 39(5): 9, 31-33. May 1943. 7 B872

Describes the orchards and their success and the putting of abandoned lands in the area to productive use.

11788 RUTLEDGE, ARCHIBALD. The old plantations live again. Sat. Evening Post 216(29): 23, 43-44. Jan. 15, 1944. 110 S

Describes the restoration of southern plantations as shooting preserves and farms.

11789 U. S. NATIONAL RESOURCES PLANNING BOARD. LAND COMMITTEE. Area analysis--a method of public works planning. U. S. Natl. Resources Planning Bd. Tech. Paper 6, rev., 40 p., processed. Washington, 1943. 173.2 N214Tp

#### Land Values and Valuation

11790 MOORE, H. R. The Ohio farm real estate situation 1941 to Sept. 1943, as indicated by a study in sample counties. Ohio. State Univ. Dept. Rural Econ. and Rural Sociol. Mimeog. Bul. 173, 12 p., processed. Columbus, 1944. 281.9 Oh32

Trends in land prices and sales.

11791 PORTSMOUTH, EARL OF. Compulsory land purchase; some arguments against adopting the 1939 "ceiling" for rural values. Country Life [London] 95: 109. Jan. 21, 1944. 80 C83

11792 WICKARD, C. R. Curbing land prices. Soc. Residential Appraisers Jour. 9(12): 3-4. Dec. 1943. 282.9 S01

#### POPULATION

11793 BLACKLOCK, D. B. The population problem of India. Brit. Med. Jour., No. 4329, p. 805-807. Dec. 25, 1943. 448.8 B77

Advocates regulation of population in accordance with the number of people the land will support.

11794 KEARNS-PRESTON, D. A. Basic facts and forces affecting India's food. U. S. Dept. Com. Foreign Com. Weekly 14(2): 3-6, 13. Jan. 8, 1944. 157.54 F763

Relationship between population and food production.

11795 \*KREBS, NORBERT. Typical migration movements in Europe. Res. and Prog. 9: 3-9. Jan./Feb. 1943.

A map shows immigration to towns and rural immigration.

11796 MINVILLE, ESDRAS. L'économie régionale de la Gaspésie. Forêt Québécoise 7(1): 31-41. Jan. 1944. 99.9 F79

Causes of the decline in population in the Gaspé Peninsula.



11797 PAGE, SIR EARLE. Post-war development; our security; fundamental basis. *Country Life* [Sydney] 55(21): 7. Nov. 19, 1943. 286.85 Sy2

Expansion in agricultural production necessary to maintain Australian population at the requisite level.

11798 SAX, KARL. Population problems of a new world order. *Sci. Monthly* 58(1): 66-71. Jan. 1944. 470 Sci23

Discusses differential population growth and density in relation to the food supply.

#### RURAL SOCIAL ORGANIZATION

11799 LIVELY, C. E. Rural sociology as applied science. *Rural Sociol* 8: 331-342. Dec. 1943. 281.28 R88

11800 MANGUS, A. R. Some reflections on wartime research in rural sociology. *Rural Sociol.* 8: 409-412. Dec. 1943. 281.28 R88

11801 \*MZ. Zehn jahre ländliche sozialpolitik in Ostpreussen. *Neues Bauerntum* 35: 106-107. Apr./May 1943.

11802 OITICICA, F. DA R. A função social da terra na valorização do homem. *Rev. de Direito Agr.* 1(1): 30-52. Nov. 21, 1942. 281.8 R323

Extract from a book in preparation, dealing with the concept of land and its social significance.

11803 TOMARS, A. S. Rural survivals in American urban life. *Rural Sociol.* 8: 378-386. Dec. 1943. 281.28 R88

11804 URQUIZU VILLALBA, R. Agro-social-agraria. *Vaqueros* 3(11/12): 6-8. Nov./Dec. 1943. 43.8 V41

The social importance of the Cuban farmer.

#### Institutions

11805 AUSTRALIAN INSTITUTE OF AGRICULTURAL SCIENCE. VICTORIAN BRANCH. Agricultural education in Victoria. *Austral. Inst. Agr. Sci. Jour.* 9: 141-153. Dec. 1943. 23 Au74

11806 BARRERA VILAR, JOAQUÍN. Ingente necesidad nacional: el establecimiento de escuelas de agricultura en la República [de México]. *Sisal de Yucatán* 4(48): 2, 3. Dec. 31, 1943. 73.8 S183

11807 BEALL, THELMA. A look ahead at farm family living. *Ohio Farm Bur. News* 23(6): 28, 29, 31. Jan. 1944. 6 Oh34

11808 CHAPMAN, ETHEL. An old, new need of youth. *Farmer's Mag.* 41(2): 19, 23. Feb. 1944. 7 Cl65

Family life problems of rural youth.

11809 COOK, L. E. Vocational agriculture and general education. *Agr. Ed. Mag.* 16: 143. Feb. 1944. 275.8 Ag8

11810 CRUZ RAMÍREZ, CARLOS. Sobre enseñanza rural; ¿Por qué el hijo del campesino debe ser campesino? *Agrario* [Santiago, Chile] 8(326): 3, 6. Oct. 30, 1943. 9.3 Ag85

Recommendations for rural education.

11811 DAWSON, P. W. How to plan hospital facilities for rural; Manitoba. *Manitoba Co-op.* 1(15): 7. Feb. 1, 1944. 280.28 M31

11812 DOUBLEDAY, E. H. Town and country planning and health. *Roy. Sanit. Inst. Jour.* 64: 8-14. Jan. 1944. 449.9 R812

11813 DRUMMOND, D. H. Tasmania sets good example. Policy of post-primary rural education. *Farmer and Settler* 37(46): 7. Dec. 17, 1943. 23 F226

11814 EISENHOWER, M. S. Education faces new responsibilities. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(1): 4-5. Jan. 1944. 1 Ex892Ex

11815 ESCUELAS regionales técnicas agrícolas de Mendoza. Mendoza, Argentina. *Dir. de Indus. y Fomento Agr. Bol. Agr.* 11: 111-116. Apr./June 1943. 9 M52B

11816 EWING, J. T. Rural health schemes; the story of the splendid growth of municipal plans to provide medical services to rural people in Saskatchewan. *Country Guide* [Winnipeg] 63(1): 40-41, 44. Jan. 1944. 7 G76

11817 GALLUP, GLADYS. The effectiveness of the home demonstration program of the Cooperative Extension Service of the United States Department of Agriculture in reaching rural people and in meeting their needs. *George Washington Univ. Bul. Sum. Doctoral Theses* 1941-43: 120-126. Washington, D. C., 1943. 241.8 G29

11818 GREEN, J. L. Modern trends in agricultural education; clear thinking and war-time confusion. *Country Life* [Sydney] 55(24, Ed. Sup.): 10, 14. Dec. 10, 1943. 286.85 Sy2

11819 HALBROOKS, L. V. Co-operative marketing program developed thru adult farmer classes. *Agr. Ed. Mag.* 16: 151. Feb. 1944. 275.8 Ag8

11820 HALL, H. T. The Iowa vocational agriculture program. *Iowa State Dept. Agr. Iowa Year Book of Agr.* (1942) 43: 320-331. Des Moines, 1943. 2 Io9R

11821 HARVEY, R. J. Training in agriculture and animal husbandry at the Government Teachers' Training School, Mpwapwa, Tanganyika territory. *East African Agr. Jour.* 9: 81-82. Oct. 1943. 24 Ea74

11822 HILL, H. S. Supervisory devices to increase quality and quantity of projects in vocational agriculture. *Agr. Ed. Mag.* 16: 148-149. Feb. 1944. 275.8 Ag8

11823 HUMPHREY, N. D. The generic folk culture of Mexico. *Rural Sociol.* 8: 364-377. Dec. 1943. 281.28 R88

Cultural characteristics of a peasant society.

11824 JOHNSON, E. J. Determining the needs for vocational agriculture departments. *Agr. Ed. Mag.* 16: 134-135. Jan. 1944. 275.8 Ag8

11825 NEWMAN, O. P. The land Columbus loved. *Natl. Geog. Mag.* 85: 197-208, 217-224. Feb. 1944. 470 N213

Contains description of rural life in the Dominican Republic and discusses food supply and agriculture.

11826 NICHOLS, MARK. The FFA [Future Farmers of America] and its contribution to the welfare of agriculture. *Utah Farmer* 63(11): 10, 14. Jan. 25, 1944. 6 D45

11827 OLNEY, R. A. Activities of and suggestions for teachers of out-of-school groups of farmers. *Agr. Ed. Mag.* 16: 150-151, 153, 155. Feb. 1944. 275.8 Ag8

11828 PATERSON, W. G. R. Progress in agricultural education in Scotland; in the last half century. *Scot. Farmer* (Spec. Jubilee No.) 51(2609): 43-45. Jan. 1, 1943. 10 Sco8

11829 PERDE, L. G. Guerra en el trópico creciente y fortissima. *Hacienda* 39(1): 3-6, 9. Jan. 1944. 6 H11

Health work in tropical America including the present program under the Institute of Inter-American Affairs.

11830 QUICKEL, KAY. How does your county co-op compare with Gallia's? *Ohio Farm Bur. News* 23(6): 6-9. Jan. 1944. 6 Oh34

Organization and activities of the Gallia County Farm Bureau Co-operative Association.

11831 REID, DAVID. Huntingdon's W.A.E.C. school. *Farmer & Stock-Breeder* 57: 1914. Dec. 7, 1943. 10 F228

Agricultural courses of the Huntingdonshire W.A.E.C.

11832 ROADHOUSE, C. L. Plans of the College of Agriculture [University of California] to meet post-war educational demands. *Pacific Dairy Rev.* 48(1): 20, 32. Jan. 1944. 286.85 P11



11833 ROBERTS, R. W. Southern rural, community school program. *Agr. Ed. Mag.* 16: 144. Feb. 1944. 275.8 Ag8

11834 ROY, J. B. Des sociétés d'agriculture formées de cercles agricoles. (Cinquième article.) Avantages de ces sociétés. *Bul. des Agr.* 40(1): 4. Jan. 1944. 7 B872

11835 SALEM, O. A. Occupational status of former students of vocational agriculture in Virginia. *Agr. Ed. Mag.* 16: 154-155. Feb. 1944. 275.8 Ag8

11836 SMATHERS, EUGENE. The church and rural security. *Christian Rural Fellowship Bul.* No. 86, p. 1-8, processed. Nov. 1943. 281.29 C46  
Foundations of a Christian rural life.

11837 SOMERSET, H. C. D. Quade of Broadacres; the story of a New Zealand vision of better country living. *New Zeal. Dairy Exporter* 19(4): 20-23. Dec. 1, 1943. 44.8 N484

Deals with the folk school movement.

11838 SPENCER, A. C. Getting farmers to think. *Agr. Ed. Mag.* 16: 130. Jan. 1944. 275.8 Ag8  
Adult education for farmers.

11839 SPRY, CLYDE. Farmers' institutes, poultry shows and short courses. *Iowa. State Dept. Agr. Iowa Year Book of Agr.* (1942) 43: 139-145. Des Moines, 1943. 2 I09R

11840 STROHM, JOHN. Rural life is rustic down in Latin America. *Hoosier Farmer* 29(2): 7, 34. Feb. 1944. 280.82 H76

11841 STRONG, VEDA. Post-war plans for family living. *N. Mex. Ext. News* 24(1): 2. Jan. 1944. 275.29 N463Ex

11842 SUCRE, ANGEL. Un concepto sobre la escuela rural conforme el programa agrícola. *Rev. de Agr. y Com.* [Panama] 3(26): 39. Oct. 1943. 8 R3291  
Recommendations for the rural school in Panama.

11843 THOMASSET, L. El mayordomo de estancia, como elemento de progreso en el país. *Campo y Arado*: 7(81): 5. Nov. 1943. 9.9 C152

Educational needs of overseers on estates.

11844 THOMEN, W. E. Home farming programs. *Agr. Ed. Mag.* 16: 128-129. Jan. 1944. 275.8 Ag8  
Supervised practice in agricultural education.

11845 THROM, J. Die Ausbildung der landarbeits- und ländlichen hausarbeitslehrlinge. *Neues Bauern-tum* 35: 121-124. Apr./May 1943.

11846 VALDES PALOMINO, BERTALINA. Acción del magisterio en los municipios, a favor del agro. *Agr. Mod.* [Habana] 1(2): 9, 23. July 1943. 8 Ag882  
The importance of agricultural education in Cuba.

11847 VOGT, P. L. The resources of the country church. *Christian Rural Fellowship Bul.* No. 87, p. 1-6, processed. Dec. 1943. 281.29 C46

11848 WHITEHOUSE, F. College of farming and grazing. *Country Life* [Sydney] 55(24, Ed. Sup.): 12, 13. Dec. 10, 1943. 286.85 Sy2  
Organization and curriculum for a proposed school.

11849 WILSON, M. L. Agricultural extension in an industrial society. *Adult Ed. Jour.* 2: 85-89. Apr. 1943. 275.8 A492

11850 WILSON, M. L. County agents and the war effort. *County Agent* 4(1): 5-9. Feb. 1944. 275.28 C832

11851 WILSON, M. L. On the docket for 1944. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(1): 10-11. Jan. 1944. 1 Ex892Ex

Agricultural extension work for 1944.

11852 WOOD, R. P. A big step toward family security. *Ohio Farm Bur. News* 23(7): 14-15. Feb. 1944. 6 Oh34

Organization and operation of the Farm Bureau Group Hospitalisation and Surgical Fees Plan in Ohio.

11853 WRIGHT, P. A. Faculty of rural economy; some of the advantages. *Country Life* [Sydney] 55 (23): 14. Dec. 3, 1943. 286.85 Sy2

The importance of establishing a Faculty of Rural Economy at an Australian university.

#### Human Ecology

11854 BENNETT, J. W. Some problems of status and solidarity in a rural society. *Rural Sociol.* 8: 396-408. Dec. 1943. 281.28 R88

Social classes, customs, and organization in a river-bottom community in southern Illinois.

11855 HATCH, D. S. What we are up to at Camohm-la. *Mex. News Digest* (2d pd.) 1(7): 17. Oct./Dec. 1943. 280.8 M572

Rural reconstruction in a Mexican village.

11856 JAMES, W. C. Developing a community war program. *Agr. Ed. Mag.* 16: 131. Jan. 1944. 275.8 Ag8

Educational and activity programs in a South Carolina community.

11857 LINDSTROM, D. E. Extension Service jumps back to the neighborhood. *Rural Sociol.* 8: 412-415. Dec. 1943. 281.28 R88

Increasing emphasis on the neighborhood (rather than the county) in the work of the Federal agricultural extension service.

11858 MOODY, J. N. Salvation by cooperation in the Maryland counties. *America* 70: 431-433. Jan. 22, 1944. 280.8 Am322

Program of social-economic betterment through co-operative activity and organizations in a rural Catholic community in St. Mary's County, Md.

#### Rural Organizations and Movements

11859 AMERICAN FARM BUREAU FEDERATION. Resolutions adopted at 25th ... convention [Dec. 1943]. *Nation's Agr.* 19(1): 10-14. Jan. 1944. 280.82 B89

11860 CALIFORNIA FARM BUREAU FEDERATION. Resolutions [25th annual meeting, Santa Cruz, Nov. 18, 1943]. [Calif.] *Tulare County Farm Bur. Monthly* 23(11): 12-16. Dec. 1943. 275.293 Calif., Tulare Co.

11861 CLARK, GEAN. Consumer, co-ops in Puerto Rico boom. *Cooperator* 7(3): 1, 4. Feb. 7, 1944. 280.28 C7852

11862 CO-OPERATION in Canada in 1942. *Canad. Co-op.* 35(1): 10-12. Jan. 1944. 280.28 C788

Based upon a study prepared by A. E. Richards and Lucienne Lalonde and issued by the Economics Division of the Canadian Department of Agriculture. Includes marketing cooperatives.

11863 COWDEN, H. A. Co-ops in peace. *Co-op. Digest* 4(8): 43-44. Feb. 1944. 280.28 C7896

11864 GROVES, W. F. The Wisconsin Farmers Union. *Dairyland News* 14(2): 1, 2, 8. Jan. 24, 1944. 280.28 W752

11865 HAMANN, HEINZ. Die gestaltung der genossenschaftlichen unternehmungsarten im ländlichen bereich. *Forschungsdienst* 14: 231-243. 1942.

11866 HAYDEN, C. A. Just what makes the C. F. A. tick? *Country Life* [Brit. Columbia] 28(1): 22. Jan. 1944. 7 C832

Organization and officers of the Canadian Federation of Agriculture.

11867 HORNE, BERNARDINO. A cooperativa na organização agraria moderna. *Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Coop* 2(21): 13-15. May 1943. 280.28 C7842

11868 HOUGH, J. A. The place of co-operation in post-war economy. *Rev. Internatl. Co-op.* 36: 163-173. Nov./Dec. 1943. 280.28 In8B

11869 HUTCHISON, KEITH. Co-op international. *Nation* 158: 154-156. Feb. 5, 1944. 110 N

Consumers' cooperative movement and its present importance.



11870 KING, J. J. Cooperatives and cutover lands in the Pacific Northwest. Sociol. and Social Res. 28: 211-217. Jan./Feb. 1944. 280.8 Sol5

Sketch of the work of U. S. Farm Security Administration in helping small farmers to organize cooperative land-clearing associations.

11871 LAWRENCE, J. D. What is official Washington thinking regarding farmers' cooperatives? Nulaid News 21(9): 5-6, 21-23. Dec. 1943.

47.8 N917

11872 MAC COLL, E. D. Agreriación. Diario Rural 4(331): 16. Nov. 20, 1943. 9.9 D54

Importance of organization among Uruguayan farmers.

11873 MAC LEAN Y ESTENOS, ALEJANDRO. A cooperativa agrícola. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Coop 2(21): 6. May 1943.

280.28 C7842

Agricultural cooperation in Peru.

11874 NATIONAL COUNCIL OF FARMER CO-OPERATIVES. Resolutions, 16th annual meeting. Dakota Farmer 64(3): 56. Feb. 5, 1944. 6 D14

11875 NORRIS, A. C. Cross section discussion groups. Ohio Farmer 193(2): 24. Jan. 15, 1944. 6 Oh3

Gives an account of the organization and activities of the group in Wellington, Lorain County.

11876 PAULSON, W. E. Danevang farmers mind own business. Prog. Farmer, Tex. Ed. 59(2): 13, 28. Feb. 1944. 6 T311

History of the Danevang Farmers Cooperative Society.

11877 PAZ MALDONADO, ALEJANDRO. Sindicalización. Ecuador. Primera Zona. Cám. de Agr. Rev. 6: 717-720. July/Aug. 1943. 9.4 Ec96

Gives a plan for a farmers' organization in Ecuador.

11878 RAY, C. B. Cooperatives growing rapidly in Texas. Prod. Consumer 9(9): 8. Feb. 1944. 280.28 P942

11879 REEDER, MRS. M. L. Purpose and program of the Home and Community Dept. of the U. S. F. B. Utah State Farm Bureau Federation. Utah Farmer 63(11): 12. Jan. 25, 1944. 6 D45

11880 SANDERS, I. T. The rural cooperative in Bulgaria. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8(1): 21-24, processed. Jan. 1944. 1.9 Ec7For

11881 SCHNEIDER, ISRAEL. Nuevos rumbos que debe tomar el cooperativismo agrario. Coop. Agr. 4(47): 12-16. Sept. 1943. 8 H752

Ways in which the cooperative may provide the farmer with machinery needed for feed production.

11882 SEFFERN, ESTHER. The Grange in Wisconsin; oldest general farm organization has built enviable record in State. Dairyland News 14(1): 1, 3, 5. Jan. 10, 1944. 280.28 W752

First of a "series of articles dealing with leading farm organizations and producer cooperatives in Wisconsin."

11883 SIM, R. A. Quebec - a banner co-operative province. Macdonald Col. Jour. 4(4): 18. Dec. 1943. 101 M144

Number of agricultural cooperatives noted.

11884 SOUTHERN STATES CO-OPERATIVE. Annual report, 1943. South. States Co-op. Patron 11(2): 6-13. Annual Rpt. Issue, 1943. 280.29 So8

11885 THIEM, GEORGE. The Bureau views the future--and not without alarm. Successful Farming 42(2): 54-55. Feb. 1944. 6 Sul2

Review of the American Farm Bureau Federation Convention in Chicago.

11886 WALWORTH, G. Relations between co-operative consumers' and agricultural producers' organisations. Rev. Internatl. Co-op. 36: 178-186. Nov./Dec. 1943. 280.28 In8B

## RURAL SOCIAL PSYCHOLOGY

11887 MUIR, JOHN. Damning our future; a farmer's responsibility to his industry. Home Farmer 11(1): 10. Jan. 1944. 280.344 H75

## TRADE, FOREIGN AND INTERNATIONAL

11888 CASAS BRICEÑO, ANTONIO. Importancia del comercio argentino-venezolano frente a los problemas de la post-guerra. Caracas, Venezuela. Cam. de Com. Bol. (Época 2) 32: 8955-8964. Sept. 1943. 287 C173

11889 FRASER, F. W. Import trade of Jamaica in 1942. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 87-92. Jan. 29, 1944. 286.8 C16

Includes agricultural products.

11890 FREITAS, NEWTON. Argentine-Brazilian relations, historical and commercial. Brazil. Business 23: 282, 285-286, 288. Aug. 1943. 286.8 B732

Translated résumé of an article in the Revista Oficial of the Argentine Chamber of Commerce.

11891 GLENN, J. B. The new significance of Latin America. Vital Speeches 10: 250-253. Feb. 1, 1944. 280.8 V83

Includes future trade prospects between Latin America and the United States.

11892 HARTARD EBERT, M. Exportaciones agrícolas. Campesino, Santiago, Chile, 75: 611-612, 614. Oct. 1943. 9.3 Sol2

Comparative figures for period 1933 to 1942 of exports of oats, barley, peas, beans, lentils, and apples.

11893 NAVARRO, JORGE. Comercio de Panamá con la América Latina. Grandes posibilidades de mercado para los productos mexicanos. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(11): 34-36. Nov. 1943. 286.8 M575

11894 STALEY, EUGENE. Taussig on "International allotment of important commodities." Amer. Econ. Rev. 33: 877-881. Dec. 1943. 280.8 Am32

Text and discussion of a memorandum written by F. W. Taussig to President Wilson in 1918. Includes agricultural commodities.

11895 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FAR EASTERN UNIT. Principal pre-war imports of Far Eastern countries from regions outside Japanese-occupied Asia. U. S. Bur. Foreign and Dom. Com. Econ. Ser. 31, 46 p., processed. Washington, 1943. 157.54 Ec7

Includes imports of agricultural, livestock, and forest products.

## Trade Agreements

11896 MELLO, J. C. A expansão econômica do Brasil e a América Latina. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 520-523. July 1943. 68.29 Sa63

Summarizes trade agreements between Brazil and Bolivia and Brazil and Paraguay.

## FOOD AND HUMAN NUTRITION

## GENERAL

11897 ABBOTT, OUIDA. En qué consiste un régimen alimenticio adecuado? Cult. Agr. 2(28): 6, 11. Oct. 1943. 9.4 C89

11898 ADAMS, CLARIBEL. Nutrition center aids doctors. Forecast for Home Econ. 60(1): 36-37, 58. Jan. 1944. 321.8 F76



- 11899 ALLEN, I. B. Energize your meals with peanuts. Jour. Living 9(8): 39-44. Feb. 1944. 389.8 J822
- 11900 APPLEBY, P. H. Nutrition and labor. Labor's interest in the program introduced by the Food Conference. Amer. Fed. Labor. Union Label Feature Ser. Release 60-62, unpagged, processed. Washington, 1943. 389 Ap5
- 11901 BARTEL, HORST. Verfahren zur rückgewinnung des agar-agar aus gebrauchten nährböden. Zentbl. f. Bakt. [etc.] Abt. I, Originale 150: 336-344. Sept. 9, 1943. 448.3 C33
- 11902 BECKMAN, M.E. Food fights for freedom. Natl. Ed. Assoc. U.S. Jour. 33(1): 26-27. Jan. 1944. 275.9 N21J
- 11903 BEHM, D.F. Meeting wartime school lunch problems. Amer. Med. Assoc. Jour. 20: 100, 102. Feb. 1944. 389.8 Am34
- 11904 BLACK, J.D. The international food movement. Amer. Econ. Rev. 33: 791-811. Dec. 1943. 280.8 Am32
- Describes and evaluates the movement toward better human feeding developed by the United Nations Conference on Food and Agriculture.
- 11905 BREAUULT, L.A. Soldiers prefer beef. Cattleman 30(8): 20, 22. Jan. 1944. 49 C29
- 11906 BROADBENT, ALICE. Hot lunch for younger children. Forecast for Home Econ. 60(2): 32-33, 62, 64. Feb. 1944. 321.8 F76
- 11907 CANNON, P.R. Protein metabolism and acquired immunity. Amer. Med. Assoc. Jour. 20: 77-80. Feb. 1944. 389.8 Am34
- Relationship between nutrition and resistance to infection.
- 11908 CLINE, J.A. Meat cookery in war time. Amer. Restaurant Mag. 27(10): 72-74, 80. Oct. 1943. 389.2538 Am3
- 11909 CLINE, J.A. Moist heat methods. Amer. Restaurant Mag. 27(12): 34-37. Dec. 1943. 389.2538 Am3
- Cooking of meat.
- 11910 CLINE, J.A. Proper cooking methods mean more meat. Amer. Restaurant Mag. 27(11): 35-38, 77-78. Nov. 1943. 389.2538 Am3
- 11911 CROKIN, M. L. Massachusetts' school lunch plan. Food Facts 13(5): 1, 3. Feb. 1944. 389.8 F734
- 11912 DEAN, V. M. UNRRA - a step toward reconstruction. Foreign Policy Rpts. 19: 266-276. Jan. 1, 1944. 280.9 F76R
- Organization, activities, and financing of the United Nations Relief and Rehabilitation Administration.
- 11913 DECKEN, H. VON DER, and METZDORF, H. J. Europas ernährungswirtschaft. Deutsches Institut für Wirtschaftsforschung. Halbjahrsberichte zur Wirtschaftslage 17(1/2): 9-158. 1942/43.
- Noted in League of Nations. Library. Monthly List of Selected Articles 15(7/9): 56, June 16/Sept. 15, 1943. 280.9 L474L
- 11914 DE GROOT, S. The king of foods: cheese. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 175, 2 p. Pretoria, 1943. 24 So82P
- 11915 DRUMMOND, J.C. War-time nutrition and its lessons for the future. (To be cont.) Brit. Food Jour. 45: 111-112. Dec. 1943. 389.8 B77
- 11916 DUGAN, S.V., and GASSMAN, ZEAN. Food salvage surveillance in disaster. Assoc. Food & Drug Off. U.S. Quart. Bul. 8(1): 3-14. Jan. 1944. 389.9 As7A
- 11917 EASTERBROOK, L. F. We can't sniff at "nutrition." Home Farmer 10(12): 12. Dec. 1943. 280.344 H75
- Shows how the nutritional needs of the people fit in with the types of crops that Great Britain is most fitted to produce.
- 11918 ELVEHJEM, C.A. Nutrition research in the future. Nutr. Rev. 2: 33-35. Feb. 1944. 389.5 N953
- 11919 FARIA, R. L. DE. Como alimentar o trabalhador rural. Ceres 4: 169-174. Jan./Feb. 1943. 9.2 C332
- 11920 FLANAGAN, DESMOND. U.N.R.R.A. - The problem of relief. Co-op. Rev. 17: 179-180. Dec. 1943. 280.28 C7823
- 11921 FOOD and agriculture will meet world's greatest responsibility. Country Life [Brit. Columbia] 28(1): 3, 20-22. Jan. 1944. 7 C832
- Gives conclusions of the United Nations Conference on Food and Agriculture and prints statements by P. A. Appleby, D. G. McKenzie, E. S. Archibald, and G. S. H. Barton on the food problem.
- 11922 GILLET, D.Y. More food assured for school lunch. N. Mex. Ext. News 24(1): 8. Jan. 1944. 275.29 N463Ex
- 11923 GOBECIA S. A. INDUSTRIAL, COMERCIAL. La soja. (Cont. and to be cont.) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1623): 26, 28-32. Nov. 6, 1943. 287 B866
- Composition and value in human nutrition.
- 11924 GRAUBARD, MARK. The role of home economists and nutritionists in postwar reconstruction. Amer. Cookery 49(6): 17, 39-40. Feb. 1944. 389.8 B65
- 11925 GUNTHER, C.B. Food poisoning. Bacterial toxins and infections. Assoc. Food & Drug Off. U.S. Quart. Bul. 8(1): 22-29. Jan. 1944. 389.9 As7A
- 11926 HAYDEN, C. A. Egg yolks of any color, sugar, candy from sawdust; no fooling, these are only two of a flock of startling scientific accomplishments that will enter into future diets of Canadians, so Dr. Albert E. Cliffe tells Ontario's bakers. Country Life [Brit. Columbia] 28(1): 5. Jan. 1944. 7 C832
- 11927 HESELTINE, M. M. Meals for Latin American school children. Natl. Parent-Teacher Mag. 38(6): 11-13. Feb. 1944. 320.8 C43
- 11928 HOTPOINT feeds 'em quickly and well. Equipment manufacturer stresses nutrition; uses six tons of meat per month. Amer. Restaurant Mag. 27(11): 39-40, 76. Nov. 1943. 389.2538 Am3
- 11929 HULT, MILTON. The national ice cream nutrition program. Internatl. Assoc. Ice Cream Mfrs. Outline of Activ. Fiscal Year Ended Sept. 30, 1943, p. 32-36. 389.9 In83
- 11930 IMPROVING the quality of foods. Nutritional Observ. 5(1): 7-9. Jan. 1944. 389.8 N955
- 11931 KILANDER, H.F. The public's knowledge of nutrition. Jour. Home Econ. 36: 78-79. Feb. 1944. 321.8 J82
- 11932 KING, C.G. Food restriction and national health. Inst. Food Technol. Proc. 1943: 24-27. 389.9 In7
- 11933 KUGLER, J. H. "America's favorite food" - ice cream. West. Livestock Jour. 22(12): 131-133. Jan. 1944. 6 F2278
- 11934 LABOR pulls for square meals. Along with management and government, it works to hold production lines at top speed, by providing good food on the job. U. S. Agr. Adjust. Admin. Consumers' Guide 10(2): 13-14. Jan. 1944. 1.94 Ad422C
- 11935 LAL, G.B. Foods fight the white plague. Jour. Living 9(8): 13-17. Feb. 1944. 389.8 J822
- 11936 LEE, F. M. How the State food and drug official can assist the Army in providing clean and safe food for the Army personnel. Assoc. Food & Drug Off. U. S. Quart. Bul. 8(1): 14-19. Jan. 1944. 389.9 As7A
- 11937 LINDLAHR, V.H. Health-plus box lunches. Jour. Living 9(8): 79-98. Feb. 1944. 389.8 J822



11938 LONGENECKER, H.E. Fats in human nutrition. *Amer. Med. Assoc. Jour.* 20: 83-85. Feb. 1944. 389.8 Am34

11939 LOVELL, PHYLLIS. New trends in British food. *Amer. Cookery* 49(6): 13, 38-39. Feb. 1944. 389.8 B65

11940 MILEBURN, E. W. The story of 1 lb. of honey. *Scot. Beekeeper* 19: 152-153. Dec. 1943. 424.8 Sco8

11941 MORRIS, M. M. War Food Administration aids school lunches. *Amer. Med. Assoc. Jour.* 20: 96, 98, 100. Feb. 1944. 389.8 Am34

11942 MURRAY, EDWARD. What does U. N. R. R. A. mean to Canada? *Food in Canada* 4(1): 14-15, 16-17, 18. Jan. 1944. 389.8 F7323

The scope and organization of the United Nations Relief and Rehabilitation Administration and the relationship of post-war relief to the Canadian food processing industry.

11943 MYRON, L.L. Are you a "food drunk"? *Jour. Living* 9(8): 3-9. Feb. 1944. 389.8 J822

11944 NATIONAL LIVE STOCK AND MEAT BOARD. Meat research plays vital role in war effort. *Chester White Jour.* 34(1): 56-58. Jan. 1944. 46.8 W582

11945 NUTRITION - tomorrow's new sales tool. *Glass Packer* 23: 107-109. Feb. 1944. 309.8 G463

11946 PLENTY of good nutritious food. *Factory Managt. and Maintenance* 102(1): 98-103. Jan. 1944. 291.8 M28

Industrial feeding.

11947 RABUFFO, V. M. Ice cream goes overseas with the A. E. F. *Ice Cream Trade Jour.* 40(1): 10-11, 49-51. Jan. 1944. 389.8 Ic2

11948 RAIMO, H. F. Quanto valem os ovos? *Rev. dos Criadores* 14(14): 68-69. Oct. 1943. 43.8 R32

11949 RICE, T.B. The emotional factor in nutrition. *Hygeia [Chicago]* 22: 100-101, 130. Feb. 1944. 449.8 H993

11950 ROA, E. Necesidad de divulgar las propiedades alimenticias de productos hortícolas. *Agr. Mod. [Habana]* 1(5/6): 6. Oct./Nov., 1943. 8 Ag882

11951 THOMPSON, R.M. Meals and morale. *Amer. Restaurant Mag.* 27(12): 28-29, 70. Dec. 1943. 389.2538 Am3

Industrial feeding.

11952 TSENG, C. K. Agar: a valuable seaweed product. *Sci. Monthly* 58(1): 24-32. Jan. 1944. 470 Sci23

Brings out the uses of agar as food and in meat and fish canning and in agriculture.

11953 UNITED Nations Conference on Food and Agriculture. (Concl.) *Amer. Jour. Digest. Dis. and Nutr.* 11: IX-X, XII. Feb. 1944. 448.8 Am324

11954 UNITED Nations Food Conference. (Cont'd and Concl.) N. S. Wales Dept. Agr. State Market. *Bur. Monthly Market. Rev.* 10: 126-129, 147-149. Nov., Dec. 1943. 286.8 N47M

11955 THE UNITED Nations Relief and Rehabilitation Administration. *Internatl. Labour Rev.* 49: 145-159. Feb. 1944. 283.8 In8

The program and organization of the Administration.

11956 UNUSUAL foods during war. *Nutritional Observ.* 5(1): 1-3. Jan. 1944. 389.8 N955

11957 WARBASSE, J.P. Would make food store expert guide to health. *Coop. Consum.* 11(2): 2. Jan. 31, 1944. 280.28 C7836

11958 WASHBURN, H. P. Winter foods yield luscious spreads. *Amer. Cookery* 49(6): 14-15, 36. Feb. 1944. 389.8 B65

Recipes for "low sugar" jams and butters.

11959 WENTWORTH, E.N. Must cereals substitute for meat in the war diet? *Cattleman* 30(8): 32, 34, 96-97. Jan. 1944. 49 C29

Also with title, Shall we substitute cereals for meats? in *Rec. Stockman* 54(52, 1944 Ann. Ed.): 200-202, 204-206, 209. Dec. 30, 1943. 49 D43

11960 WIEHL, D. G. Medical evaluation of nutritional status. XV. Caloric intake of high school students in New York City. *Milbank Mem. Fund Quart.* 22: 5-40. Jan. 1944. 449.9 M582

11961 WILLIAMS, R.R. The applied science of nutrition. *Jour. Franklin Inst.* 237: 21-36. Jan. 1944. 470 J82

11962 WILSON, M.F.A. The influence of nutrition on physical efficiency. *Rev. Agr. de l'île Maurice* 22: 161-170. July/Aug. 1943. 24 M44

## DIETS

11963 CARLSON, A. J. Some obstacles in the path towards an optimum diet. *Tex. Rpts. on Biol. Med.* 1(1): 5-26. Spring 1943. 448.8 T31

11964 CARQUE, OTTO. A humane diet. *Human Cult. Digest* 52(1): 22-24. Jan. 1944. 289.8 V52

11965 GUMPERT, MARTIN. Clear up your skin with diet. *Jour. Living* 9(8): 23-26. Feb. 1944. 389.8 J822

11966 KRAMER, M.M., and NUTTING, CLARA. North China diets - then and now. *Jour. Home Econ.* 36: 70-74. Feb. 1944. 321.8 J82

11967 LIU, J. H., and CHU, C. K. Problems of nutrition and dietary requirements in China. *Chinese Med. Jour.* 61: 95-109. Apr./June 1943. 448.8 C44

11968 NATIONAL RESEARCH COUNCIL. COMMITTEE ON DIAGNOSIS AND PATHOLOGY OF NUTRITIONAL DEFICIENCIES. FOOD AND NUTRITION BOARD. Inadequate diets and nutritional deficiencies in the United States. *Natl. Res. Council. Bul.* 109, 56 p. Washington, 1943. 330.9 N21

11969 SCHULTZ, T. A "human needs" diet in November 1943. *Oxford Univ. Inst. Statis. Bul.* 5: 273-277. Dec. 11, 1943. 280.9 OX2B

11970 TODHUNTER, E.N. Food for the elderly. *Prog. Farmer, Tex. Ed.* 59(2): 46. Feb. 1944. 6 T311

## FOOD HABITS

11971 JOFFE, N. F. Foodways in other lands. *Amer. Cookery* 49(6): 10-11, 35. Feb. 1944. 389.8 B65

Food customs in the Balkans.

11972 NATIONAL RESEARCH COUNCIL. COMMITTEE ON FOOD HABITS. The problem of changing food habits. *Natl. Res. Council. Bul.* 108, 177 p. Washington, 1943. 330.9 N21

Partial contents: History of the Committee on Food Habits, by C. E. Guthe, p. 9-19; Problem of changing food habits, by Margaret Mead, p. 20-31; Forces behind food habits and methods of change, by Kurt Lewin, p. 35-65; Adjustment to dietary changes in various somatic disorders, by Hilde Bruch and Marjorie Janis, p. 66-73; Study of the use of the friendship pattern in nutrition education, by E. L. Koos, p. 74-81; Study of the effects of odd-shifts upon the food habits of war workers, by Gladys Engel-Frisch, p. 82-84; Summary of an exploratory study in Federal employee turnover in Washington with special attention to living habits, by V. V. Fleming, p. 85; Qualitative attitude analysis, by Rhoda Métraux, p. 86-94; Summary of methods of a field work class cooperating with the Committee on Food Habits of the National Research Council, by Hortense Powdermaker, p. 95-96; Food habits of selected subcultures in the United States, by N. F. Joffe, p. 97-103; Tests of acceptability of emergency rations, by N. F. Joffe, p. 104; Outline of studies on food habits in rural Southeast, by M. T. Cussler and M. L. de Givé, p. 109-112; Social process and dietary change, by Herbert Passin and J. W. Bennett, p. 113-123.



- 11973 SAUNDERS, S. C. Will war habits continue in peace? U. S. Dept. Com. Dom. Com. 32(2): 12, 22. Feb. 1944. 157.54 D713
- 11974 SNELL, G. F. Chinese are cereal eaters. Food Facts 13(5): 2-3. Feb. 1944. 389.8 F734

## NUTRITIVE AND VITAMIN CONTENT

- 11975 ADDINALL, C.R. The vitamins: their industrial development and importance as strategic materials. Jour. Chem. Ed. 21: 48-51. Jan. 1944. 381 J826
- 11976 ASCORBIC acid (vitamin C) in "marmalade mixture" jams. Food Preserv. Quart. 3: 50-52. Sept. 1943. 389.9 Au7F
- 11977 THE B vitamins. Part 1. Consumer Rpts. 9(1): 20-23. Jan. 1944. 321.8 C762
- 11978 BARRETO, PEREIRA. O valor biologico do adlay. Chacaras e Quintais 68: 351-353. Sept. 15, 1943. 9.2 C34
- 11979 BEARDSLEY, C.L., PRINDLE, R.F., and STEVENS, H.P. Retention of vitamins in dehydrated vegetables during storage. Inst. Food Technol. Proc. 1943:208-225. 389.9 In7
- 11980 BLOCK, R.J., and BOLLING, DIANA. Nutritional opportunities with amino acids. Amer. Med. Assoc. Jour. 20: 69-76. Feb. 1944. 389.8 Am34
- 11981 CYAN, ERWIN DI, and STAKVEL, STELLA. The ubiquitous vitamin preparations. Consumers' Res. Bul. 13(2): 5-9. Feb. 1944. 321.8 C76
- 11982 DRUMMOND, J. C., and MORAN, T. Unconsidered trifles in our diet. Vitamin content of beverages. Nature [London] 153: 99-100. Jan. 22, 1944. 472 N21
- 11983 EVERSON, GLADYS, and HECKERT, ADA. The biological value of some leguminous sources of protein. Amer. Med. Assoc. Jour. 20: 81-82. Feb. 1944. 389.8 Am34
- 11984 FISHEIN, MORRIS. The past, present and future of vitamins. Amer. Med. Assoc. Jour. 20: 95-96. Feb. 1944. 389.8 Am34
- 11985 FRANDSEN, J. H. The story of calcium in milk and dairy products. Milk Plant Monthly 33(1): 34. Jan. 1944. 44.8 C864
- 11986 GRACE, H.M. There are vitamins in honey. Beekeepers' Mag. 6(5): 11. Dec. 1943. 424.8 M58
- 11987 GUBIN, E.K. Food yeast. Hygeia [Chicago] 22: 124, 126, 128. Feb. 1944. 449.8 H993
- 11988 HAMILTON, W. F., BRIGGS, A. P., and BUTLER, R. E. The testing of color vision in relation to vitamin A administration. Amer. Jour. Physiol. 140: 578-582. Jan. 1944. 447.8 Am3
- 11989 HEMMERSBAUGH, MARY. The role of food is tremendous. Forecast for Home Econ. 60(1): 15-16, 44, 46. Jan. 1944. 321.8 F76
- 11990 HESLITINE, M. M. Nutrition problems and programs in Latin America in 1943. U. S. Children's Bur. The Child 8: 99-102. Jan. 1944. 152.2 O483
- 11991 HOLMES, A. D., and HOLMES, J. O. Uniformity of riboflavin content of milk produced under standardized conditions. Amer. Jour. Dis. Children 66: 607-610. Dec. 1943. 448.8 Am38
- 11992 KOHLER, R. G. Vitamins and flour enrichment. Assoc. Oper. Millers Bul., Feb. 1944. p. 1332-1333. 298.9 A87
- 11993 KON, S. K. The chemical composition and nutritive value of milk and milk products. Soc. Chem. Indus. Jour. Chem. and Indus. 62: 478-481. Dec. 18, 1943. 382 M31C
- 11994 KRAUSS, W.E. Contribution of milk solids to nutritional well-being. Hoard's Dairyman 89(1): 5, 12. Jan. 10, 1944. 44.8 H65
- 11995 KRONER, WALDEMAR, and LAMEL, HERBERT. Zur frage des vitamin-C-gehaltes von trockenapeisekartoffeln. Ztschr. f. Spiritusindus. 65: 143-144. Dec. 31, 1942.
- 11996 LAL, G.B. Vitamins retained in rice. Sci. Digest 15(2): 94. Feb. 1944. 470 Sci27
- 11997 MACGILLIVRAY, J. H., and others. An evaluation of California vegetables. Market Growers Jour. 73(1): 15, 31, 34. Jan. 1944. 6 M34
- A. F. Morgan, G. C. Hanna, and Arthur Shultis, joint authors.
- 11998 MCINTOSH, J. The effect of preparation for freezing, storage and cooking on the vitamin content of vegetables. Fruit Prod. Jour. and Amer. Food Mfr. 23: 143-145, 149. Jan. 1944. 389.8 F94
- 11999 MARTINEK, W.A., and JACOBS, BARBARA. The nutritive value of the protein of some dehydrated fishery products. Fishery Market News 5(8): 12-14. Aug. 1943. 157.5 F532
- 12000 MICKELSEN, OLAF. Vitamin pills, food and ... Midland Coop. 11(11): 4. Jan. 12, 1944. 280.28 M58
- 12001 MIGLIARIO, IDA. Dig for your vitamins. Household Mag. 44(2): 16. Feb. 1944. 321.8 H813
- 12002 MILLER, ELNA. Fruits and vegetables in the basic seven plan. Utah Farmer 63(10): 18-19. Jan. 10, 1944. 6 D45
- 12003 MINUT, JUAN. Temas de mesologia y ecologia lechera: El aspecto vitamínico, lo estudiado, lo conocido y lo ignorado. (Cont.) Indus. Lechera 25: 519-526. Aug. 1943. 44.8 In26
- 12004 MITCHELL, H.H. Corn germ: a valuable protein food. Science 99: 129-130. Feb. 11, 1944. 470 Sci2
- 12005 MOORE, E. L., and others. Ascorbic acid retention in Florida grapefruit juices. I. During commercial canning. Canner 98(9): 24-26. Jan. 29, 1944. 286.83 C16
- Eunise Wiederhold, C. D. Atkins and L. G. MacDowell, joint authors.
- Study conducted at U. S. Citrus Products Station, Winter Haven, Fla., with the Florida Citrus Commission and U. S. Bureau of Agricultural and Industrial Chemistry, cooperating.
- 12006 NAUDE, SUSANN. The food value of eggs. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 177, 2 p. Pretoria, 1943. 24 So82P
- 12007 NEWCOMBE, C. L., and BLANK, G. J. Seafoods: their wartime role in maintaining nutritional standards. Commonwealth 10(10): 13-17. Oct. 1943. 280.8 C732
- 12008 THE NUTRITIVE value of tropical fruits in Australia. Food Preserv. Quart. 3: 45-49. Sept. 1943. 389.9 Au7F
- 12009 NUTRITIVE value of vegetables. IX. Carrots, celery, and parsnips. Nutritional Observ. 5(1): 11-13. Jan. 1944. 389.8 N955
- 12010 PHYSIOLOGICAL use of fluorine. Nutritional Observ. 5(1): 9-11. Jan. 1944. 389.8 N955
- 12011 RAMPENDAH, E.F. What of vitamins - facts or fancy? Confectioners Jour. 70(828): 8, 10. Jan. 1944. 389.8 C76
- 12012 RAYMOND, ABEL. Comment remédier à la rareté des protéines. Bul. des Agr. 39(5): 18. May 1943. 7 B872
- 12013 ROCHE PRODUCTS LIMITED. Natural v. synthetic. Economist [London] 146: 85. Jan. 15, 1944. 286.8 Ec7
- Discussion of natural and synthetic vitamins.
- 12014 SWANSON, C. O. Chemistry for the operative miller. The search for protein quality factors in wheat. Northwest. Miller, Milling Prod. Sect. 215(2): 10a-11a. Jan. 12, 1944. 298.8 N81
- 12015 TRICHMANN, E. Nutritive value of green peas. Farming in So. Africa 18: 891-892. Dec. 1943. 24 So842



12016 TRACE elements in nutrition. II. Manganese. Borden's Rev. Nutr. Res. 5(1): 1-10. Jan. 1944. 389.8 B64

12017 TUBA, J., and others. On sources of vitamin C. I. Rose hips. Canad. Jour. Res. Sect. C, Bot. Sci. 21: 363-373. Dec. 1943. 470 G16CD  
G. Hunter, M. J. Hutchinson, and L. L. Kennedy, joint authors.

12018 VILLERE, J. F., and others. Isolation of carotene from sweet potatoes. Food Indus. 16(1): 76-78, 130-131. Jan. 1944. 389.8 F737  
D. C. Heinzelman, J. Pominski, and H. R. R. Wakeham, joint authors.

12019 VITAMIN A deficiency symptoms. Nutritional Observ. 5(1): 3-5. Jan. 1944. 389.8 N955

12020 VITAMINS. Food Preserv. Quart. 3: 42-50. Sept. 1943. 389.9 Au7F

12021 WENTWORTH, E. N. Meat in the diet. Sheep and Goat Raisers' Mag. 24(4): 16-17. Jan. 1944. 45.8 Sh3

12022 WODICKA, V. O. Vitamin fortification and the stability of vitamins in food. Inst. Food Technol. Proc. 1943: 28-33. 389.9 In7

### MISCELLANEOUS

#### GENERAL

12023 BELTRÁN, P. P. El Departamento de Bogotá y el Departamento de Cundinamarca. Vida Rural 5(51): 24. Oct. 1943. 9.4 V66

Proposes territorial addition to Cundinamarca to compensate for the proposed separation of Bogotá as a separate department, noting the advantages which would accrue to the rural industries.

12024 BERGESON, V. A. [Utah] Department of Agriculture acts as enforcement agency for your laws. Utah Farmer 63(11): 6. Jan. 25, 1944. 6 D45

12025 BYRD, H. C. Needed—unity in agriculture; the U. S. Department of Agriculture and the State Land Grant Colleges must cooperate or be by-passed. State Govt. 17: 280-283. Feb. 1944. 280.8 St2

12026 CARMICHAEL, LEONARD. National roster of scientific and specialized personnel. Estadística 1(4): 108-113. Dec. 1943. 251.8 Es8

The agricultural and biological sciences are included in the classification.

12027 CHATWIN, D. K. Canadian agricultural documents, Federal and Provincial. Col. and Res. Libr. 5(1): 62-70, 74. Dec. 1943. 243.8 C68

Includes work of the Canadian Department of Agriculture and a chart showing its organization.

12028 CHILDRESS, R. B. What about farm supplies? N. J. Farm and Garden 15(1): 26, 27, 28, 29. Jan. 1944. 6 G162

Reprinted from G. L. F. Rptr., v. 1, No. 2, p. 2, 4. Dec. 10, 1943. 280.28 G1764

12029 DIXON, R. A. N. Too many farming officials. Dairy Farmer [Ipswich] 17(1): 19. Jan. 1944. 44.8 D1414

On the administration of the Ministry of Agriculture of Great Britain.

12030 THE FARM Security Administration program in Iowa. Iowa. State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 261-280. Des Moines, 1943. 2 I09R

12031 GRIMM, WILLIAM. Wildlife conservation, its past, its present and its future. Pa. Game News 14(8): 18-19, 24, 31; (9): 8-9, 28. Nov.-Dec. 1943. 412.9 P38Pe

Includes conservation of soils, water, and forests.

12032 PARK, R. H. Telling the farm story. Co-op. Digest 4(8): 50-51. Feb. 1944. 280.28 C7896  
Farm magazines and newspapers.

12033 P E P (POLITICAL AND ECONOMIC PLANNING). P E P work, 1940-43. Planning, No. 215, p. 2-10. Dec. 14, 1943. 280.8 P693

Includes a complete list of P E P reports and broadsheets issued to date.

12034 WELLING, T. R. Services of [Utah] State Department of Agriculture. Utah Farmer 63(11): 5. Jan. 25, 1944. 6 D45

### HISTORY AND BIOGRAPHY

12035 ARMATTOE, R. E. G. Dr. George Washington Carver. Nature [London] 152: 685-686. Dec. 11, 1943. 472 N21

12036 DEANS, MRS. JOHN. Canterbury's first farm; the Deans at Riccarton. (To be cont.) New Zeal. Farmer Weekly 64(22): 6-8. Dec. 30, 1943. 23 N484

Originally written in 1882. A historical account.

12037 DUNBAR, R. G. Agricultural adjustment in eastern Colorado in the eighteen-nineties. Agr. Hist. 18(1): 41-52. Jan. 1944. 30.98 Ag8

12038 EDWARDS, E. E. Rodney H. True and his writings. Agr. Hist. 18: 23-34. Jan. 1944. Ref., p. 25-34. 30.98 Ag8

Bibliography consists chiefly of articles on botany.

12039 HALL, C. J. Dr. H. F. Bergman — scientific worker whose efforts are of long-range value to (cranberry) industry. Cranberries 8(10): 10-11. Feb. 1944. 80 C852

12040 NATIONAL FRANKLIN COMMITTEE. Benjamin Franklin and agriculture. Farmers Digest 7(9): 19-21. Feb. 1944. 6 F2206

12041 OLSON, LOIS. Pietro de Crescenzi: the founder of modern agronomy. Agr. Hist. 18(1): 35-40. Jan. 1944. 30.98 Ag8

12042 PUERTAS, R. P. Los precursores de la agricultura moderna y sus grandes ideas. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 173-178. Dec. 1943. 65.9 As5B

12043 \*SCHNEIDER. Zehn jahre stetige agrarpolitik. Mitt. f. die Landw. 58: 519. July 3, 1943.

Appreciation of the work of Herbert Backs, during his ten years as Minister of Agriculture in Germany.

12044 SINGLETON, W. M. Centenary of noted dairy scientist, Dr. Stephen Moulton Babcock. New Zeal. Jour. Agr. 67: 329. Nov. 15, 1943. 23 N48J

### METEOROLOGY

12045 DECKER, S. E. The Lake Park, Iowa, Memorial Day tornado in pictures and some notes on the causes of destructive local storms in Iowa. Iowa. State Dept. Agr. Iowa Year Book of Agr. (1942) 43: 442-460. Des Moines, 1943. 2 I09R

12046 ORTIZ, A. A. Registro estacional de lluvias en relación con la producción agrícola en la República [Argentina]. Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1624): 7, 18, 25-27. Nov. 13, 1943. 287 B866

### RESEARCH

12047 AUCHTER, E. C. 1943 research available for 1944. U. S. Bur. Agr. Econ. Agr. Situation 27(12): 17-18. Dec. 1943. 1 Ec7Ag

Results of research conducted by the seven bureaus of the Agricultural Research Administration, which are likely to affect next year's agricultural production.



- 12043 **BEELEER, M. N.** Against hunger. N. Mex. Ext. News 24(1): 3, 5. Jan. 1944. 275.29 N463Ex  
Value of research to agriculture.
- 12049 **DUNN, L. C.** Science in the U. S. S. R.; Soviet biology. Science 99: 66-67. Jan. 28, 1944. 470 Sci2
- 12050 **\*ERTEL, H.** Über ernährungsforschung. Forschungsdienst 14: 243-249. 1942. 241 D48F  
Discusses the similarities and differences between research in agriculture and nutrition.
- 12051 **GREGORY, E. H.** Land pioneers for a century; Rothamsted's fields serve as world "reference library." Farmer's Weekly [Bloemfontein] 66: 331. Nov. 3, 1943. 24 F225  
History of the work done at Rothamsted.
- 12052 **\*HANSSON, NILS.** Ur det danska Forsögslaboratoriets historia. K. Lantbruksakad. Tidskr. 82: 211-228. 1943. 104 Sw3  
A brief history of the laboratory.  
German summary at end of article.
- 12053 **HARDING, T. S.** Scientific research can be planned without regimenting scientists. Amer. Jour. Pharm. 115: 464-470. Dec. 1943. 396.8 Am3
- 12054 **HARTLEY, WILLIAM.** The economic consequences of agricultural research. Austral. Inst. Agr. Sci. Jour. 9: 163-166. Dec. 1943. 23 Au74
- 12055 **HOMENOCK, L. A.** Tridtsat' let Vologodskogo Sel'skokhoziaistvennogo Instituta (Thirty years of the Vologda Agricultural Institute). Vologda Agr. Inst. Proc. (1942) 5: 3-12. 106 V882
- 12056 **LININGER, F. F.** Interest in research increases with wartime agricultural needs. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 1), p. 1, 5. 1943. 100 P381
- 12057 **LORA ALVAREZ, MARIO.** Valor teórico y real de los campos experimentales. Coop. Agr. 4(47): 7-9. Sept. 1943. 8 H752  
Importance of official experiment stations.
- 12058 **MEDINA, G.** O campo de sementes de São Borja. Vida Rural e Econ. 5(8): 26-27. Aug. 1943. 9.2 V663  
On the organization and equipment of this experiment station whose chief purpose is multiplication of seeds of grains and legumes best adapted to Brazil.
- 12059 **\*MEYER, H. A.** Die forschung im dienste der kriegserzeugungsschlacht. Wiener Landw. Ztg. 92: 147. May 30, 1942.  
Similar title in Ztschr. f. Spiritusindus. 65: 53. May 7, 1942.

- 12060 **\*MEYER, KONRAD.** The importance of agricultural science for the present-day food supply. Res. and Prog. 9: 135-158. May/June 1943.  
Contribution of research to agriculture and to National Socialist agrarian policy.
- 12061 **PENABAD, MIGUEL.** Conciencia agrícola. Agr. Mod. [Habana] 1(4): 18. Sept. 1943. 8 Ag882  
The program of the Cuban Experiment Station and the need for local checking of results obtained.
- 12062 **\*STAHL, W.** Verbesserung der leistung der schweine. Wiener Landw. Ztg. 92: 217-218. Aug. 1, 1942.  
Research in Ruhlsdorf, Kreis Teltow.
- 12063 **STEWART, ALEX.** The role of industrial research. Canner 98(7): 40, 49-50. Jan. 15, 1944. 286.83 Cl6  
Includes agricultural research.
- 12064 **WALKER, R. H.** Utah Experiment Station research, program aided by cooperation of other agencies. Utah Farmer 63(11): 1, 14. Jan. 25, 1944. 6 D45

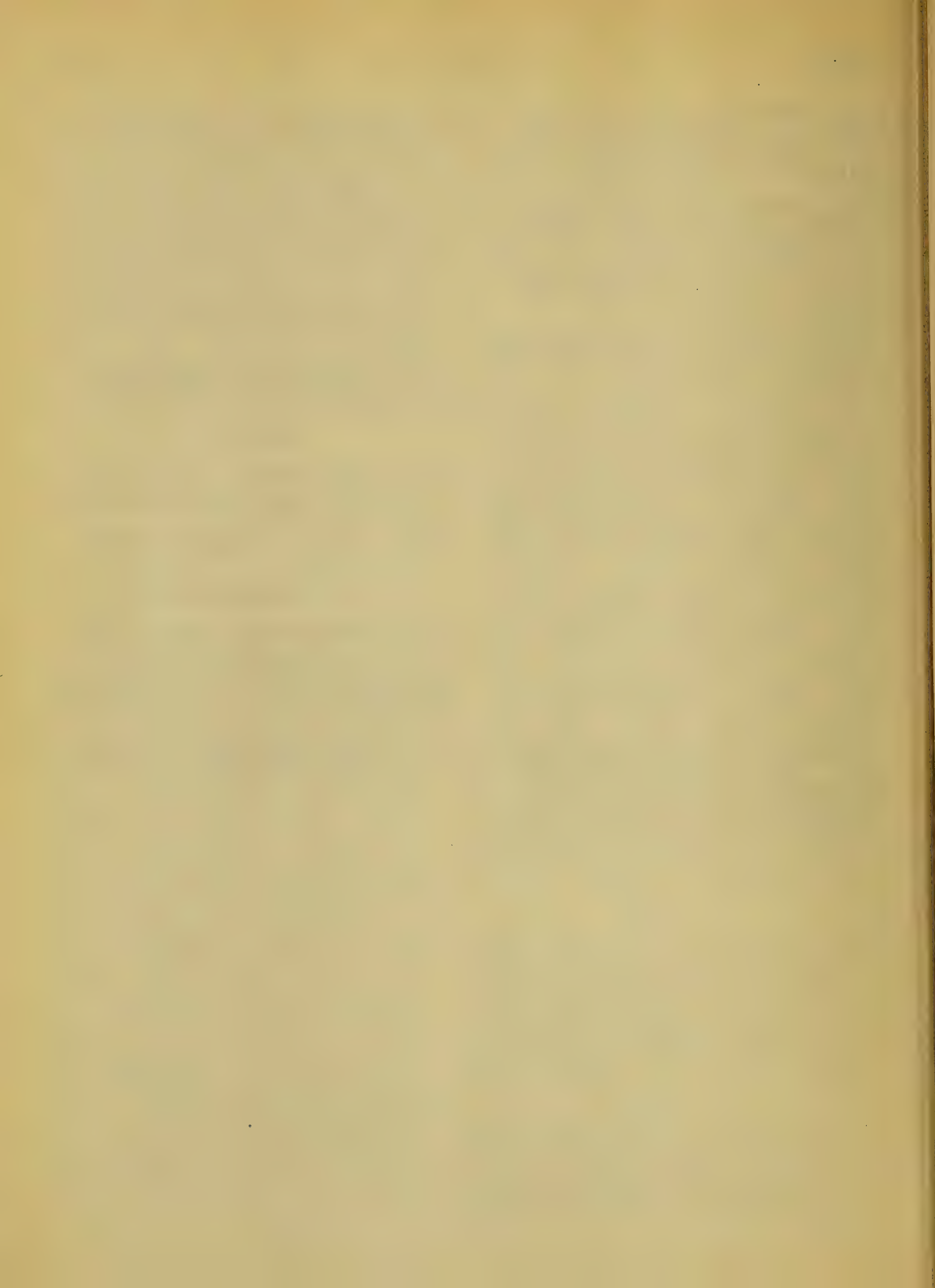
## STATISTICS

- 12065 **\*KASERER, HERMANN.** Die statistische wirtschaft. Wiener Landw. Ztg. 92: 301. Oct. 24, 1942.  
Climatic and soil factors to be considered in connection with crop statistics.
- 12066 **PETTET, Z. R.** United States Census of Agriculture handbook. Estadística 1(4): 119-121. Dec. 1943. 251.8 Es8

## NEW PERIODICALS AND SERIALS

- 12067 **AGRICULTURA MODERNA.** Monthly. V. 1, No. 1, June 1943. 24 p. Habana. 8 Ag882
- 12068 **EDUCATIONAL LEADERSHIP** (Department of Supervision and Curriculum Development, National Education Association). Monthly. V. 1, No. 1, Oct. 1943. 63 p. 1201 Sixteenth St., N. W., Washington 6, D. C. 275.8 Ed85
- 12069 **REVISTA DE DIREITO AGRÁRIO.** Quarterly. V. 1, No. 1, Nov. 21, 1942. 184 p. Rua Uruguaiana, 96, Rio de Janeiro. 281.8 R323  
Pt. 1, 84 p.; Pt. 2, 56 p.; Pt. 3, 44 p.







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U. S. D. A. PUBLICATIONS

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Publications preceded by an asterisk (\*) are not available for distribution; microfilm or photoprint copies can be supplied at the cost of preparing them.

Agricultural War Information

- 12070 8-POINT national milk production program, 1944. U. S. D. A. AWI-83, 8 p. folder. 1944. 1 Ag84Aw
- 12071 GRANULAR ammonium nitrate; a high-analysis, low-cost, all-purpose nitrogen fertilizer. U. S. D. A. AWI-81, 8 p. folder. 1944. 1 Ag84Aw
- 12072 WARTIME harvests from farm woodlands. U. S. D. A. AWI-80, 8 p. 1944. 1 Ag84Aw
- Need for forest products; farm woodland management.

Circulars

- 12073 DARROW, G. M. The Midland and Fairpeake strawberries. U. S. D. A. Cir. 694, 4 p. 1944. 1 Ag84C
- Two new varieties.

Farmer and the War

- 12074 WHAT post-war policies for agriculture? U. S. D. A. The Farmer and the War 7, 13 p. 1944. 1 Ag84Fw
- Report of U. S. Department of Agriculture Inter-bureau and Regional Committees on Post-War Programs.

Farmers' Bulletins

- 12075 LEWIS, M. R. Practical irrigation. U. S. D. A. Farmers' Bul. 1922, 69 p. 1943. 1 Ag84F
- Supersedes Farmers' Bulletin 864, Practical Information for Beginners in Irrigation.
- 12076 PECHANEC, J. F., and STEWART, GEORGE. Sagebrush burning - good and bad. U. S. D. A. Farmers' Bul. 1948, 32 p. 1944. 1 Ag84F
- Where, when, and how to burn, and grazing management after the burning.

Interbureau Coordinating Committee on Post-War Programs

- 12077 LETTER to activity leader on housing, post-war housing, and equipment, December 24, 1943. 16 p., processed. 1943. 1.90 C2In8PL

Leaflets

- 12078 WISECUP, C. B., and HAYSLIP, N. C. Control of mole crickets by use of poisoned baits. U. S. D. A. Leaflet 237, 7 p. 1943. 1 Ag84L
- Supersedes Farmers' Bulletin 1561, The Porto Rican Mole Cricket.

Miscellaneous Publications

- 12079 CRUIKSHANK, J. W. North Carolina forest resources and industries. U. S. D. A. Misc. Pub. 533, 76 p. 1944. 1 Ag84M
- 12080 WARING, P. A. Teamwork to save soil and increase production. U. S. D. A. Misc. Pub. 486, slightly rev., 64 p. 1943. 1 Ag84M

Radio Broadcasts, National Farm and Home Hour (Processed)

- 12081 AUCHTER, E. C., and DUMARS, M. L. Agricultural science -- 1943. 3 p. Dec. 7, 1943. 1.98 V52
- Contributions research has made to agriculture.
- 12082 BENNETT, H. H., and KADDERLY, W. L. Saving land resources. 2 p. Jan. 7, 1944. 1.96 Ad62
- Soil conservation in the post-war period.
- 12083 BURNS, A. E., and KADDERLY, W. L. How much new farm machinery? 3 p. Dec. 13, 1943. 1.9424 M2R11
- 12084 DODD, N. E. Farm production after the war. 3 p. Feb. 3, 1944. (Post-War Agr. #9) 1.914 R2R11
- 12085 HANCOCK, CARL, and KADDERLY, W. L. Farm labor needs in 1944. 2 p. Feb. 8, 1944. 1.914 R2R11
- 12086 ISAAC, G. J., and KADDERLY, W. L. December 15 tax estimates for farmers. 3 p. Dec. 3, 1943. 1.941 A2R11
- 12087 JOHNSON, V. W., and KADDERLY, W. L. Farming for farm boys in the Army. 2 p. Dec. 24, 1943. (Post-War Agr. #3) 1.941 A2R11
- Opportunities for ex-servicemen with farming experience to settle on farms.
- 12088 KADDERLY, W. L. "United States gains over once costly pest." 2 p. Dec. 2, 1943. 1.914 R2R11
- Eradication of the tick responsible for cattle fever.
- 12089 KADDERLY, W. L., and CROW, W. C. What's in cold storage? 2 p. Dec. 20, 1943. 1.9422 A2R11
- Why cold storage space is crowded, and what the Government is doing to mend the situation.
- 12090 KINGHORNE, J. W., and KADDERLY, W. L. Meeting 1944 egg and poultry goals. 3 p. Dec. 6, 1943. 1.9422 A2R11
- 12091 LLOYD, WALTER, and KADDERLY, W. L. Tires for farmers. 2 p. Jan. 18, 1944. 1.9424 M2R11
- On the need to recap and repair old tires.
- 12092 MILLER, A. W., and KADDERLY, W. L. Animal science in 1943. 3 p. Dec. 16, 1943. 1.972 A2R11
- What the Bureau of Animal Industry has done and is still doing through livestock research and other services to hasten victory on the food front.
- 12093 MURPHY, ROY, and VAN DEMAN, RUTH. More schools can have lunch programs. 2 p. Jan. 25, 1944. 1.9422 A2R11
- How communities can join in the Federal School Lunch Program.



- 12094 NATIONAL 4-H club program. 2 Nos.  
1.914 R2R11  
No. 171. [4-H club activities in Hawaii.] 6 p.  
Dec. 4, 1943.  
No. 172. [The place of 4-H work in America in 1944.] 4 p. Jan. 1, 1944.  
12095 REED, O. E. Dairy science in 1943. 2 p.  
Dec. 30, 1943. 1.973 A2R25  
Outstanding results of dairy research.  
12096 SMITH, R. C., and KADDERLY, W. L. Problems just ahead for agriculture. 3 p. Dec. 17, 1943. (Post-War Agr. #2) 1.914 R2R11  
National post-war problems.  
12097 WATTS, L. F. Public works programs for forest development. 7 p., processed. 1943.  
1.962 A2W34  
Delivered by R. E. Marsh at meeting of the American Civic and Planning Association, Omaha, Nebr., June 14.

#### Technical Bulletins

- 12098 EYRE, F. H., and LEBARRON, R. K. Management of jack pine stands in the Lake States. U. S. D. A. Tech. Bul. 863, 66 p. 1944. 1 Ag84Te  
12099 HAZEN, M. W., and COMFORT, J. E. Comparison of corn and corn-molasses mixture for fattening beef calves before and after weaning. U. S. D. A. Tech. Bul. 862, 11 p. 1943. 1 Ag84Te  
12100 MCCOMAS, E. W., DOUGLAS, J. R., and SOUTHWELL, B. L. Corn-molasses mixtures compared with corn for fattening beef cattle in the Coastal Plain area. U. S. D. A. Tech. Bul. 864, 10 p. 1943. 1 Ag84Te  
12101 STONE, M. W., and HOWLAND, A. F. Life history of the wireworm *Melanotus longulus* (Lec.) in southern California. U. S. D. A. Tech. Bul. 858, 30 p. 1944. 1 Ag84Te

#### Unnumbered Publications

- 12102 AGRICULTURAL statistics, 1943. 548 p. 1943. 1 Ag84Yas  
12103 FARM FLASHES. 43 Nos. 1 p. each, processed. n. d. 1.9 In3F  
"For broadcast use only."  
All-time high stock numbers; Allocation of meat; Allocation of vegetable seeds; Ammonium nitrate for fertilizer; Applying ammonium nitrate; Dairy farm equipment supply; Evaporated milk allocation; Farming equipment prospect; Good eating from caves; Good neighbor farmers; Handling ammonium nitrate; Helps to higher yields; Home furnace wood burning unit; Home-made chick brooder; How burn sagebrush range; How use young workers; "Live-in"volunteers available; Mid-winter potato harvest; More chicken and eggs; More oats from fewer acres; Naval stores program pay; New fertilizer for potatoes; Order vacation help early; Pre-valid ration points; Progress against mastitis; Report on milk prospects; Save time in chick brooding; Saving time in dairy barn; Schools train farm volunteers; Small war-food co-op; Sweet uses of cooperation (growing sugarcane and making syrup); Tires must last longer; Tractors made from junk; Training city youngsters; Turkey raising plans; Turpentine timber warning; Two feed boosting practices; Unsolved milk mystery; War cheese developments; War need for more beef; Watch for weed seed; Work-saving with livestock; Year-round women workers.  
12104 FATS and oils allocations for December. 6 p., processed. 1943. 1.90 A5F26  
12105 HOMEMAKERS' CHAT. 30 Nos. 3 p. each, processed. 1944. 1.9 In3Hh  
"For use in non-commercial broadcasts only."  
Basic seven [foods] in winter. Feb. 9.  
Cabbage -- Victory Food Selection. Mar. 1.  
Chicken in the pot [cook or can culled poultry]. Feb. 7.

- Early returns from your Victory garden. Mar. 10.  
Equipment for 1944 canning. Feb. 21.  
Fat as a wartime food. Feb. 4.  
Food for hungry children. [School lunch program.] Feb. 16.  
4-H club wartime plans. Feb. 14.  
Growing food in a community garden. Feb. 25.  
Martha Washington, homemaker. Feb. 22.  
Meat for your freezer locker. Feb. 18.  
Mending cooking mistakes. Mar. 8.  
National food situation. Feb. 23.  
Nutrition and refrigeration. Mar. 6.  
Plentiful foods. Feb. 2.  
Price ceilings? Rationing and nutrition. Feb. 28.  
Question box:  
Any new water bath canners? More freezer-lockers? Necessary to rent garden land? How clean brass and nickel? Mar. 9.  
How care for vacuum cleaner? How glaze meat for freezing? Peanut butter in salad? Mar. 7.  
How cook frozen beans? Waste fats still wanted? Lenten menus for two? Mar. 2.  
How make omelets? Eggs in freezer-locker? How make brown sauce with soya? Feb. 17.  
How store foods in refrigerator? Soya grits in vegetable soup? Rugs from wool scraps? Feb. 3.  
How thaw frozen vegetables and fruits? How flavor baked beans? Ways to use citrus marmalade? Feb. 10.  
How use cryolite? Best way to apply fertilizer? How plant vegetable seed? Feb. 29.  
Ration periods overlapping? How make potato puff? How make hot potato salad? Prevent mildew on leather? Feb. 24.  
Use leftover seeds? Ashes to lime garden? How arrange garden rows? How take sweet from potatoes? How rebind blanket? Feb. 15.  
When repair pressure canner? Why used containers for berries? How make chile con carne? Feb. 8.  
Which vegetables for food value? When plant berries? Plant herbs in Victory garden? Feb. 1.  
Salvaging waste parts of vegetables. Jan. 31.  
To grow or not to grow. [Gardening hints.] Feb. 11.  
Women's Land Army on Victory Farm Volunteers. Mar. 3.  
12106 PROSPECTUS. Fellowships in agricultural sciences and practices to be awarded by the United States Department of Agriculture (1944 program). 8 p., processed. 1944. 1.90 A2P942  
AGRICULTURAL ECONOMICS, BUREAU OF  
12107 BERNERT, E. H. Volume and composition of net migration from the rural-farm population, 1930-40, for the United States, major geographic divisions and States. 37 p., processed. 1944. 1.941 R4V88  
12108 CURRENT developments in the farm real estate market. 5 p., processed. 1944. 1.941 L2C93  
12109 GILBERT, R. V. Price policy. 8 p., processed. 1943. 1.941 P3P933  
Address at 21st Annual Agricultural Outlook Conference, Oct. 18, 1943.  
Price stabilization program of the Office of Price Administration.  
12110 GOODMAN, J. R. The relative accuracy of the mean, ratio, and regression of expansion. 8 p., processed. 1944. 1.9 Ec71Crp  
The 15th of a series of discussions of Crop Reporting Procedure.  
12111 MILK cows and milk production on farms, by States, 1943. 4 p., processed. 1944. 1.941 H2M59  
12112 FIG CROP report - December 1943. 4 p., processed. Dec. 23, 1943. 1.9 Ec742P1  
Statistical data by State and geographic region.



12113 PORTER, H. G. Some phases of the American-Egyptian cotton situation and outlook with statistical supplement. 28 p., processed. 1943.

1.941 S2C822

12114 PRODUCTION of manufactured dairy products, 1942. 34 p., processed. 1944. 1.9 Ec724D

Data by State and geographic division.

12115 TOLLEY, H. R. Post-war issues in relation to American agriculture. 7 p., processed.

1944. 1.9 Ec7Tol

Address, Jan. 11.

#### AGRICULTURAL RESEARCH ADMINISTRATION

12116 REPORT of the Administrator of Agricultural Research, 1943. 236 p. 1944. 1 Ag84; also 1.98 R29

#### Agricultural and Industrial Chemistry, Bureau of

12117 JARRELL, T. D. Lists of publications and patents of Bureau of Agricultural and Industrial Chemistry...issued during fiscal year ended June 30, 1943. U. S. Bur. Agr. and Indus. Chem. AIC-38, 16 p., processed. 1944. 1.932 A2Ag82

#### Animal Industry, Bureau of

12118 HATCHERIES and dealers participating in the National Poultry Improvement Plan (January 1, 1944). U. S. Bur. Anim. Indus. A. H. D. 36, rev., 63 p., processed. 1944. 1.9 An52Ah

Also an 8 p. supplement to A. H. D. 36, which has changes reported to Feb. 10, 1944.

12119 STATE participation in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 25, rev., 5 p., processed. 1944. 1.9 An52Ah

12120 U. S. RECORD of Performance Breeders participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 35, rev., 12 p., processed. 1944. 1.9 An52Ah

#### Dairy Industry, Bureau of

12121 ASSOCIATIONS of breeders of purebred dairy cattle. 1 p., processed. Jan. 1944. (BDIM-Inf-6) 1.973 D4B34

#### Entomology and Plant Quarantine, Bureau of

12122 ELMORE, J. C. The control of the two-spotted mite [Tetranychus bimaculatus] on lima beans in California. U. S. Bur. Ent. and Plant Quar. E-613, 3 p., processed. 1944. 1.9 En83

12123 MODIFICATION of white-fringed beetle [Pantomorus] regulations. B. E. P. Q. --Q-72, 4 p., processed. 1944. 1 F31

12124 PLANT-QUARANTINE import restrictions, British India... Certification of unmanufactured tobacco. B. E. P. Q. 404, rev., sup. 1, rev., 1 p., processed. Jan. 14, 1944. 1.9 F73

12125 QUESTEL, D. D. Field tests with insecticides to control the European corn borer [Pyrausta nubilalis] in early market sweet corn at Toledo, Ohio, in 1943. U. S. Bur. Ent. and Plant Quar. E-609, 16 p., processed. 1944. 1.9 En83

12126 QUESTEL, D. D., and GERTLER, S. I. Laboratory tests of toxicity of some organic compounds to the European corn borer [Pyrausta nubilalis], 1941-1943. U. S. Bur. Ent. and Plant Quar. E-612, 5 p., processed. 1944. 1.9 En83

12127 SIMMONS, PEREZ, and FISHER, C. K. Closed figs in relation to insect attack and disease infection. U. S. Bur. Ent. and Plant Quar. E-611, 7 p., processed. 1944. 1.9 En83

12128 USES and dosages of cryolite for insect control. U. S. Bur. Ent. and Plant Quar. E-610, 8 p., processed. 1944. 1.9 En83

#### Experiment Stations, Office of

12129 REPORT on the Agricultural Experiment Stations, 1943. 112 p. 1944. 1 Ex6

#### Human Nutrition and Home Economics, Bureau of

12130 A SUGGESTED outline for nutrition in State post-war plans for agriculture. 3 p., processed. 1943. 1.982 F2Su3

FE 414 revised.

#### Plant Industry, Soils, and Agricultural Engineering, Bureau of

12131 BENNETT, C. A. Simplified Pitot tube calculations of air flow in ducts and pipes. Rev. 16 p., processed. 1943. 1.965 E2S15

In connection with cotton gins.

12132 COLE, R. C., and others. Soil survey of the Tracy area, California. U. S. Bur. Plant Indus. Soils and Agr. Engin. [Soil Survey Rpt.] Ser. 1938, No. 5, 95 p. 1943. 1 So32F

L. F. Koehler, F. C. Eggers, and A. M. Goff, joint authors.

California Agricultural Experiment Station cooperating. Folded map in pocket.

12133 QUISENBERRY, K. S. Comparison of winter wheat varieties grown in cooperative plot and nursery experiments in the hard red winter region in 1943. 72 p., processed. Lincoln, Nebr., 1944.

1.9 F6917Co

"Not for publication without permission."

12134 SAVAGE, D. A. Results of grazing and other range improvement studies on the Southern Plains Experimental Range discussed at the Range Improvement Field Day, October 9, 1943. 21 p., processed. Woodward, Okla., 1943. 1.965 F2R31

12135 STORIE, R. E., and others. Soil survey of the Santa Cruz area, California. U. S. Bur. Plant Indus. Soils and Agr. Engin. [Soil Survey Rpt.] Ser. 1935, No. 25, 90 p. 1944. 1 So32F

R. C. Cole, B. C. Owen, L. F. Koehler, A. C. Anderson, W. J. Leighty, and J. L. Retzer, joint authors.

California Agricultural Experiment Station cooperating. Folded map in pocket.

#### FARM CREDIT ADMINISTRATION

12136 AGRICULTURAL cooperation and the Cooperative Research and Service Division [of Farm Credit Administration], 1943. U. S. Farm Credit Admin. Spec. Rpt. 129, 22 p., processed. n. d. 166.2 Sp3

12137 BAUER, WALTER, and WOOSTER, J. L. Agricultural credit in Mexico. U. S. Farm Credit Admin. Bul. CR-4, 56 p., processed. Kansas City, Mo., 1943. Ref., p. 53-56. 1 F2338

Ch. I - Main characteristics of Mexican agriculture, by H. E. Underhill. Ch. III deals with legislation enacted.

12138 GUIDE for post-war development of cooperatives (based on a report by an interbureau committee of the U. S. Department of Agriculture). U. S. Farm Credit Admin. Spec. Rpt. 127, 16 p., processed. 1944. 166.2 Sp3

#### FOREST SERVICE

12139 CHAMPION, F. J. Wood's technological coming-of-age. U. S. Forest Serv. Forest Prod. Lab., Mimeo. R1442, 8 p., processed. Madison, Wis., 1943. 1.9 F761R

Wisconsin University cooperating.

Published in Scientific Monthly.

12140 INSTRUCTIONS on forest fire fighting; for use by the people of the Pacific Northwest. 29 p. San Francisco, 1943. 1 F766I



12141 LIST of publications on the seasoning of wood. U. S. Forest Serv. Forest Prod. Lab., Mimeo. R446, 21 p., processed. Madison, Wis., 1944. 1.9 F761R

Wisconsin University cooperating.

12142 LUMBER prices, fourth quarter, 1943. Compiled from data furnished by The Southern Hardwood Producers, Inc. 16 p., processed. 1944. 1.962 F4L974

Available only through the Southern Hardwood Producers, Inc., Memphis, Tenn.

12143 NIHLÉN, HUGO, and MCGOVERN, J. N. Suitability of birch, aspen, and sugarberry for rayon pulp: results of certain sulfite pulping and bleaching experiments. U. S. Forest Serv. Forest Prod. Lab., Mimeo. R1441, 11 p., processed. Madison, Wis., 1943. 1.9 F761R

Wisconsin University cooperating.

12144 PAUL, B. H., and BAUDENDISTEL, M. E. A field method of determining specific gravity by use of increment cores or auger chips. U. S. Forest Serv. Forest Prod. Lab., Mimeo. 1587, 7 p., processed. Madison, Wis., 1943. 1.9 F761R

Army-Navy-Civil Committee on Aircraft Design Criteria cooperating.

12145 PRELIMINARY estimate of lumber production 1942, Middle Atlantic States. U. S. Forest Serv. Allegheny Forest Expt. Sta. Tech. Note 41, 1 p., processed. Philadelphia, 1943. 1.9 F76222T

U. S. Bureau of the Census and War Production Board cooperating.

12146 STATISTICAL supplement; report of the Chief of the Forest Service, 1943. 16 p., processed. n. d. 1 F76

12147 U. S. FOREST Products Laboratory, Madison, Wisconsin; list of publications July 1 to December 31, 1943. 6 p., processed. Madison, Wis., n. d. 1 F7692L

12148 WARTIME work of the Allegheny Forest Experiment Station. U. S. Forest Serv. Allegheny Forest Expt. Sta. Tech. Note 42, 2 p., processed. Philadelphia, 1943. 1.9 F76222T

12149 WATTS, L. F. A forest program to help sustain private enterprise. 10 p., processed. 1943. 1.962 A2W34

Address, Dec. 13, 1943.

12150 WOOLFOLK, E. J. Salt-bonemeal mixture used by breeding cows on short-grass ranges during four summer and three winter seasons. U. S. Forest Serv. North. Rocky Mountain Forest and Range Expt. Sta. Res. Note 32, 6 p., processed. Missoula, Mont., 1944. 1.9622 N3R31

#### GRADUATE SCHOOL

12151 ANNOUNCEMENT of the Graduate School, 1943-1944. 88 p. 1944. 1 Ag854E

12152 BALL, C. R. Elements of personnel administration. Summary. 7 p., processed. n. d. 1.984 EL2

12153 UNITED STATES Department of Agriculture Graduate School, spring semester, 1943, 1944. 8 p. folder. Dec. 15, 1943. 1 Ag854C

#### INFORMATION, OFFICE OF

12154 DIRECTIONS to farm program directors, by W. L. Kadderly. 3 Nos., processed. 1943-44. 1.914 R5L56

Issues received: Dec. 18, 21, Feb. 19.

12155 FOOD information series. 3 Nos., processed. 1944. 1.914 A5F733

No. 79. The farm equipment and supplies outlook. 7 p. Jan. 31.

No. 80. "No-point-low-point foods" promotion. 1 p. Feb. 7.

No. 81. Home food preservation. 2 p. Feb. 7.

12156 REPORTS on State-by-State FFFF Food Fights for Freedom; activities. 14 p., processed. 1943. 1.914 A5R291

#### RURAL ELECTRIFICATION ADMINISTRATION

12157 FIFTH annual report of energy purchased by REA-financed systems, fiscal year ended June 30, 1943. 85 p., processed. n. d. 1.933 En2

Lists and summarizes data by supplier, system, and State.

12158 HERRING, W. E. REA relations with TVA. 13 p., processed. 1943. 1.933 R113

12159 INFORMATION for the press. 1 No., processed. St. Louis, Mo., 1944. 173.2 R88P  
Release 408. REA loan allotments. 2 p. Jan. 27.

12160 REA REQUIREMENTS for consideration of locker plant applications. 2 p., processed. St. Louis, 1943. 1.933 R112

12161 SLATTERY, HARRY. Message...on presentation of REA War Production Award to family of Ralph Childs of Manchester, Iowa, November 13, 1943. 6 p., processed. 1943. 1.933 S11

Importance of electricity in producing food.

#### SECRETARY, OFFICE OF

12162 APPLEBY, P. H. The Hot Springs food conference and its sequel. 10 p., processed. 1943. 1.91 A2Ap5

Statement as American member of the United Nations Interim Commission on Food and Agriculture.

12163 APPLEBY, P. H. Working together in mutual interest. 17 p., processed. 1944. 1.91 A2Ap5

Address at annual meeting of the Canadian Federation of Agriculture, Quebec City, Jan. 27.

Includes an interpretation and report of efforts of the United Nations Conference on Food and Agriculture, Hot Springs, Va., and of the Interim Commission that followed.

12164 EZEKIEL, MORDECAI. Demand for farm products depends upon the city. 3 p. Dec. 31, 1943. 1.9 Ag8638

Relations of city income to demand for farm products.

12165 REPORT of the Secretary of Agriculture, 1943. 252 p. 1944. 1 Ag84A

Activities of agencies in the Department and the War Food Administration.

12166 WICKARD, C. R. I ask you to understand. 9 p., processed. 1943. 1.91 A2W63

Address before American Dietetic Association, Oct. 19, 1943, on importance of human nutrition.

12167 WICKARD, C. R. The threatened farm land boom, and the Fourth War Loan Drive. 2 p., processed. 1944. 1.91 A2W63

Radio address, Jan. 26.

#### Budget and Finance, Office of

✓12168 ANNUAL report of the Director of Finance, 1943. 24 p., processed. 1943. 1 B85R; also 1 Ag84

Confined to statistical and financial information concerning the funds of the Department.

12169 LEGISLATION enacted during the 78th Congress (for that part of the first session from July 9 through December 21, 1943). U. S. Dept. Agr. Off. Budget and Finance, Budget and Finance Cir. 706 (sup. 1), 7 p., processed. 1944. 1.9 Ag872B

#### Personnel, Office of

12170 PERSONNEL officers meeting, St. Louis, Mo., Nov. 30-Dec. 4, 1943. 143 p., processed. n. d. 1.917 A2P432

Includes addresses by Secretary of Agriculture, C. R. Wickard, Assistant Secretary of Agriculture, G. B. Hill, R. F. Hendrickson, and H. W. Rempe.



## WAR FOOD ADMINISTRATION

- 12171 JONES, MARVIN. Corn goes to war. 4 p., processed. 1944. 1.9424 A2J72  
Radio address, Jan. 19, on the value of our corn crop.
- 12172 JONES, MARVIN. Cotton goes to war. 4 p., processed. 1944. 1.9424 A2J72  
Radio address, Feb. 2.
- 12173 JONES, MARVIN. How we will eat in 1944. 4 p., processed. 1944. 1.9424 A2J72  
Radio address, Jan. 27.

Agricultural Adjustment Agency

- 12174 1944 AGRICULTURAL Conservation Program, North Central Region. Procedure to be followed in the county and State offices in furnishing conservation materials. 78 p., processed. 1944. (NCR-860) 1.42 N75B
- 12175 1944 PRODUCTION-CONSERVATION program; Committeeman's handbook. 12 p., processed. 1944. (NCR-801-Ohio) 1.42 N75B  
Includes schedule of payments that may be made for carrying out approved practices on the farm.
- 12176 STATEMENT of expenditures July 1, 1943 to December 31, 1943 inclusive. 6 p., processed. Columbus, Ohio, n. d. 1.94 Ad41Rep  
Includes agricultural payments to producers - all programs - by region and State.

Distribution, Office of

(Supersedes Food Distribution Administration)

- 12177 ALFALFA meal: production 1943-44. 1 p., processed. 1943. 1.9422 G2AL2  
Data by months, July through October.
- 12178 ANNOUNCEMENTS of intentions to purchase or sell certain commodities through the Federal Surplus Commodities Corporation. 5 Nos., processed. 1944. 1.9422 A8An7  
FSC-1833. Purchase of dried whole eggs. (Supersedes Announcement FSC-1275.) 1 p. Feb. 15.  
FSC-1833 A. Purchase specifications for dried whole eggs. 9 p. Feb. 15.  
FSC-1833 B. Specifications for dried egg containers. 6 p. Feb. 15.  
FSC-1833 C. Specifications for slack barrels for dried eggs. 3 p. Feb. 15.  
FSC-1842. Rolled (or flaked) oat cereal - compressed. 3 p. Feb. 18.
- 12179 ANNUAL unload summary of fruits and vegetables at Denver, Colorado, 1943. 17 p., processed. Denver, 1944. 1.9 Ec741Cn
- 12180 CATTLE and calves: monthly average price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 2 p., processed. Chicago, n. d. 1.9422 L8C29Ch  
Similar reports for Buffalo, Cincinnati, Detroit, Fort Worth, Kansas City, Oklahoma City, Omaha.
- 12181 CATTLE and calves: weekly average price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 2 p., processed. Chicago, 1944. 1.9422 L8C29Chw  
Similar reports for Buffalo, Cincinnati, Detroit, Ogden and North Salt Lake, Oklahoma City, Omaha.
- 12182 CHECK list of standards for farm products of the Food Distribution Administration... (revised to November 1, 1943). 10 p., processed. 1943. 1.9422 A32C41
- 12183 COMMODITY distribution series. 1 No., processed. 1944. 1.9422 A2C73  
No. 2, sup. 2. Milk and milk products. (On FDO 92, which is designed to encourage cheese producers to return to Cheddar cheese production.) 1 p. Feb.
- 12184 FOOD distribution order. 74 Nos. 1944. 1 F733F  
FDO 1, amend. 6. Manufacture and distribution of dairy products. 1 p. Jan. 13.  
FDO 1-1. Bakery products; furnishing of equipment. 1 p. Jan. 17.  
FDO 15, amend. 2. Cheddar cheese and process Cheddar cheese. 3 p. Feb. 17.  
FDO 21, amend. 1. Providing for the distribution of tea for civilian consumption. 2 p. Jan. 1.  
FDO 21-1. Imported foods; delegation of authority. 1 p. Jan. 1.  
FDO 21, amend. 2. Providing for the distribution of tea for civilian consumption. 1 p. Jan. 27.  
FDO 22-6. Canned vegetables, canned fruits, canned vegetable juices, and canned fruit juices required to be set aside during 1944. 2 p. Feb. 11.  
FDO 29, amend. 5. Use and distribution of cottonseed, peanut, soybean, and corn oil. 1 p. Jan. 12.  
FDO 30-1. Processors of dehydrated vegetables required to keep records and submit reports. 1 p. Feb. 5.  
FDO 31, amend. 1. Restrictions on use, processing, consumption and delivery of oiticica oil. 1 p. Jan. 7.  
FDO 32, amend. 3. Restrictions on use and distribution of castor oil. 1 p. Feb. 18.  
FDO 36, amend. 1. Restrictions on use and delivery of cashew nut shell liquid. 1 p. Jan. 7.  
FDO 37, amend. 1. Restrictions on use of sperm oil. 2 p. Feb. 18.  
FDO 42, amend. 3. Fats and oils; restrictions on use. 1 p. Feb. 10.  
FDO 53, amend. 2. Restrictions on use and distribution of animal oil, neat's-foot oil, and red oil. 3 p. Jan. 21.  
FDO 56 Revocation. Inventories of raw linseed oil. 1 p. Jan. 6.  
FDO 66, amend. 2. Malted grains, malt syrup, rice, hops, and hop products. 1 p. Jan. 27.  
FDO 75, amend. 10. Slaughter of livestock and delivery of meat (temporary extension of the hog support price program). 1 p. Jan. 24; amend. 11. [Extending period in which farmers can slaughter hogs without a permit.] 1 p. Feb. 3.  
FDO 75-2, amend. 6. Livestock and meats; beef required to be set aside. 2 p. Jan. 26.  
Amendments to FDO 79, relative to the conservation and distribution of fluid milk and cream in various sales areas. 49 Nos., 1 p. each as follows: FDO 79-2, amend. 2. Feb. 19; 79-3, amend. 2. Jan. 27; 79-9, amend. 2. Jan. 27; 79-10, amend. 3. Jan. 27; 79-11, amend. 2. Jan. 27; 79-13, amend. 1. Jan. 27; 79-14, amend. 1. Jan. 27; 79-16, amend. 1. Jan. 27; 79-17, amend. 1. Jan. 27; 79-19, amend. 1. Jan. 27; 79-23, amend. 1. Jan. 27; 79-38, amend. 1. Feb. 19; 79-45, amend. 1. Feb. 19; 79-53, amend. 2. Feb. 11; 79-66, amend. 1. Jan. 27; 79-73, amend. 2. Feb. 19; 79-75, amend. 2. Feb. 19; 79-83, amend. 2. Jan. 27; 79-86, amend. 1. Jan. 27; 79-90, amend. 1. Jan. 4; 79-102, amend. 1. Jan. 6; 79-108, amend. 1. Feb. 2.  
FDO 79-115 - 79-130. Jan. 13; 79-131 - 79-135, Jan. 21; 79-136 - 79-139, Feb. 1. Each Order 2 p. Amendments 1 and 2, to 79-128 were issued Jan. 27 and Feb. 11, respectively.  
FDO 80-1, amend. 2. Allocation of processed Concord grapes. 1 p. Feb. 3.  
FDO 81, amend. 1. Restrictions relative to oil of peppermint. 3 p. Jan. 1.  
FDO 81-1. Essential oils; delegation of authority. 1 p. Jan. 22.  
FDO 92. Restrictions on production of cheese and cheese foods. 2 p. Jan. 27.  
FDO 93. Restrictions on production and sale of dried milk. 2 p. Feb. 18.



- 12185 FOOD distribution order...questions and answers. 2 Nos., processed. 1943-44. 1 F733F  
Cheese limitation order (FDO No. 92). 9 p. Feb. Soap (FDO No. 86). 2 p. Dec.
- 12186 FD regulation. 3 Nos. 1944. 1 F735  
Regulat. 2-1. Revision of schedules to Regulation 2 [list of set aside and restricted foods, which contract schools are authorized to buy]. 1 p. Jan. 8.  
Regulat. 2-1, amend. 1. [Amends FD Regulat. 2-1, to reinstate butter as a set-aside food which contract schools are authorized to purchase.] 1 p. Jan. 21.  
Regulat. 3-1. Revision of schedules to Regulation 3 [schedule of set-aside foods revised]. 1 p. Jan. 8.
- 12187 GOLD, N. L. Food trends in 1944. 13 p., processed. 1944. 1.944 D3G56  
Address, Jan. 25.
- 12188 HANDBOOK of official grain standards of the United States. 101 p. 1943. 1 M346Ha
- 12189 HANDBOOK on Cotton Improvement Planting Seed Program (fiscal year 1944). 11 p., processed. 1943. 1.9422 C2H19  
Objectives and plan of operation of the program.
- 12190 HENDRICKSON, R. F. Meeting the nation's wartime nutrition problem. 7 p., processed. 1943. 1.944 A2H38  
Address, Dec. 15, 1943.
- 12191 HENDRICKSON, R. F. Vegetables for war -- and peace. 11 p., processed. 1943. 1.944 A2H38  
Address, Dec. 14, 1943.
- 12192 HOGS: monthly average price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, n. d. 1.9422 L8H67Ch  
Similar reports for Buffalo, Cincinnati, Denver, Des Moines, Detroit, Fort Worth, Indianapolis, Kansas City, Los Angeles, Montgomery, North Portland, Ogden and North Salt Lake, Oklahoma City, Omaha, Sioux City, Thomasville, Wichita.
- 12193 HOGS: weekly average price per 100 pounds, Cincinnati, 1943. Based on the mean of daily range of quotations. 2 p., processed. Cincinnati, 1944. 1.9422 L8H67Ciw  
Similar reports for Buffalo, Denver, Des Moines, Detroit, Fort Worth, Indianapolis, Montgomery, North Portland, Ogden and North Salt Lake, Oklahoma City, Omaha, Sioux City, Thomasville, Ga.
- 12194 LIST of stockyards within the jurisdiction of the Packers and Stockyards Act. 9 p., processed. Jan. 1, 1944. 1.9 Ag89L
- 12195 1944 MINIMUM tentative requirements for facilities, operating procedures, and sanitation in egg breaking and egg drying plants, to be effective on dried eggs delivered after March 1, 1944. 13 p., processed. 1943. 1.9422 D5M66
- 12196 NOTES on food for workers. 4 p., processed. 1944. 1.9422 N2N84  
Includes menus and recipes.
- 12197 PIG CROP report - December, 1943. 1 p., processed. Oklahoma City, Okla., 1943. 1.9 Ec742P1  
Also issued at Indianapolis, Ind., and South St. Joseph, Mo.
- 12198 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, and other special programs. 31 Nos., processed. 1944. 1.9422 A8In3  
Lists commodities, grade, prices, and vendors.  
Issues received: Dairy and poultry products. 7 Nos., IPR-410, sup. to IPR-410, 411-415; Fish and fish products. 3 Nos., IPR-411-413; Fruit, vegetables and products. 6 Nos., IPR-402, 407-408, sup. to 409, 410, 412; Grains, cereals, feeds, and seeds. 4 Nos., IPR-410-413; Meat and meat products. 5 Nos., IPR-408-412; Miscellaneous foodstuffs. 4 Nos., IPR-410-413; Miscellaneous non-foodstuffs. 1 No., IPR-414; Rice. 1 No., IPR-409.
- 12199 REDUCING food waste in retail stores. 16 p., processed. 1943. 1.9422 N2R24
- 12200 REPORT of the Director of the Food Distribution Administration, 1943. 124 p. 1943. 1 F733R
- 12201 RESULTS of spinning and fiber tests of some cottons grown in the Mid-South, crops of 1941 and 1942. 13 p., processed. 1943. 1.9422 C2R31
- 12202 SHEEP and lambs: monthly average price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, n. d. 1.9422 L8Sh3Ch  
Similar reports for Buffalo, Cincinnati, Denver, Detroit, Fort Worth, Indianapolis, Jersey City, Kansas City, North Portland, Ogden and North Salt Lake, Oklahoma City, Omaha, Sioux City, Wichita.
- 12203 SHEEP and lambs: weekly average price per 100 pounds, Cincinnati, 1943. Based on the mean of daily range of quotations. 2 p., processed. Cincinnati, 1944. 1.9422 L8Sh3Ciw  
Similar reports for Buffalo, Denver, Detroit, Fort Worth, Indianapolis, North Portland, Sioux City.
- 12204 SOYBEANS and soya products; program for meeting of Interdepartmental Nutrition Coordinating Committee, December 7, 1943. 25 p., processed. 1943. 1.9422 A2So9  
Contents: Introducing the soybean, by W. J. Morse, p. 1-2; Soybeans and their products as human food, by H. C. Sherman, p. 3-5; Availability of soybeans and soya products for civilians, by N. L. Gold, p. 5-6; Shall we plant soybeans in the Victory garden? by H. W. Hochbaum, p. 7-8; The story of soya products, by D. S. Payne, p. 8-19; Information program on soybeans and soya products, by Keith Himebaugh, p. 20-21; Preparation of soybeans and soya products in the home, by M. E. Kirkpatrick, p. 21-23; Discussion, p. 24-25.
- 12205 STITTS, T. G. Butter outlook for 1944. 12 p., processed. 1943. 1.955 C2St5  
Address before American Butter Institute, Dec. 14.
- 12206 STITTS, T. G. Objectives of the cheese order (FDO 92). 4 p., processed. 1944. 1.955 C2St5  
Address, Feb. 17.
- 12207 STITTS, T. G. A review of the butter program. 7 p., processed. 1944. 1.955 C2St5  
Address before Dairy War Conference at Ames, Feb. 16.
- 12208 STITTS, T. G. The war job of milk distributors. 6 p., processed. 1944. 1.955 C2St5  
Address before Ohio Dairy Products Association, Columbus, Jan. 17.
- 12209 SUGAR determination. 2 Nos. 1943-44. 1.94 Su3Sd  
S. D. 9 (rev. 1). Determination of a farm in Puerto Rico, pursuant to the Sugar Act of 1937, as amended (revised). 1 p. Jan. 1, 1944.  
S. D. 177. Determination of farming practices to be carried out in connection with the production of sugarcane during the crop year 1944-45 in Puerto Rico, pursuant to the Sugar Act of 1937, as amended. 2 p. Dec. 29, 1943.
- 12210 TAYLOR, H. W. Tobacco inspection, market news, and demonstration service (flue-cured). 2 p., processed. 1943. 1.9422 T33T55
- 12211 UNITED STATES standards for grades of dried apples (effective November 1, 1943). 3 p., processed. 1943. 1.9422 Fr5Ap52
- 12212 USE BY the cotton industry of the fiber and spinning testing service of the U. S. Department of Agriculture. 5 p., processed. 1943. 1.9422 C2Us2
- Extension Service
- 12213 EXTENSION home economists assigned to home-furnishing and home-improvement projects. 2 p., processed. 1943. 1.913 H4Ex8



12214 EXTENSION home economists assigned to home-management projects. 4 p., processed. 1943. 1.913 H4Ex81

12215 FRUTCHEY, F. P. Evaluating your neighborhood leadership. U. S. Ext. Serv. Ext. Serv. Cir. 414, 11 p., processed. 1943. 1.9 Ex892Esc

12216 GAGE, J. W. The Army still travels on its stomach. 2 p., processed. 1943. 1.913 A2Ar5

12217 1944 REGIONAL Victory Garden Conferences. 2 p., processed. 1944. 1.913 F5R26

Schedule for Southern States.

12218 SHINN, E. H. Report of State 4-H club leaders in attendance at the Outlook Conference, Washington, D. C., October 18-23, 1943. 5 p., processed. 1943. 1.913 F3R291

12219 WARREN, G. L. Observance of Rural Life Sunday by 4-H clubs, 1944. 8 p., processed. n. d. 1.913 F3Ob7

State Agricultural Colleges cooperating.

12220 WILSON, M. L. Agricultural adjustment - past and future., 19 p., processed. 1943. 1.913 A2W69

Address before American Vocational Association, Pittsburgh, Pa., Dec. 6.

12221 WILSON, M. L. Agricultural adjustment - some problems ahead. 19 p., processed. 1944. 1.913 A2W69

Address at Annual Farm and Home Week at the College of Agriculture, University of Illinois, Jan. 18.

12222 WILSON, M. L. County agents and the war effort. 8 p., processed. 1943. 1.913 A2W69

Remarks before Annual Meeting of the National Association of County Agricultural Agents, Chicago, Ill., Nov. 30.

12223 WILSON, M. L. Handicrafts and rehabilitation. 6 p., processed. 1943. 1.913 A2W69

Address before Conference on Rural Handicrafts, in connection with the Exhibition of Contemporary New England Handicrafts, Worcester, Mass.

12224 A YEAR'S supply of farm machinery messages; a county agent handbook. 20 p., processed. n. d. 1.913 C2Y3

Care of machinery; guarding against accidents. Illustrated.

#### Farm Security Administration

12225 AGRICULTURAL workers health associations; report of activities for period from April - June 30, 1943. 21 p., processed. n. d. 1.95 M46R

Cost of operation and volume of services in five areas.

12226 FIELD handbook for Wisconsin FSA supervisors (first revision). 1 v., processed. Milwaukee, Wis., 1944. 1.9502 F45

12 sections contain technical as well as practical information on various phases of agriculture for use in developing farm plans.

#### Federal Crop Insurance Corporation

12227 REPORT of the Manager of the Federal Crop Insurance Corporation, 1943. 32 p. 1943. 1 Ag84; also 173.2 In7

#### Labor, Office of

12228 OFFICE OF LABOR memorandum. 1 No., processed. 1944. 1.9424 AgOf2

#### Production, Office of

(Supersedes Food Production Administration)

12229 FOOD production order. 3 Nos. 1944. 1 F734

FPO 9, rev. 3. Feed; set aside requirements for processors [of oilseed meal]. 1 p. Jan. 5.

FPO 14, sup. order 7. New refrigeration systems for immersion and tubular type farm milk coolers. (Explains procedure to be followed in rationing new refrigeration systems.) 1 p. Jan. 19.

Rev. FPO 14, amend. 1 to rev. sup. order 1. New farm machinery and equipment. 1 p. Jan. 27.

12230 LIMITATIONS on sale, shipment, and inventories of protein meal and on use of soybean products. 5 p., processed. 1943. 1 F734

Section 1220.2 of Food Production Order No. 9, Revision No. 3, as revised and amended.

No. 25. Wage stabilization in agriculture. (Indicates the origin and purpose of the War Food Administrator's authority over agricultural wages and the procedure followed in exercising that authority.) 8 p. Jan. 26.

#### Soil Conservation Service

12231 BROWN, C. B. Report on the sedimentation surveys of Little Rock Reservoir, Los Angeles County, California. U. S. Soil Conserv. Serv. Spec. Rpt. 6, 11 p., processed. 1943. 1.96 R31Sp

12232 GOTTSCHALK, L. C. Report on the reconnaissance sedimentation surveys of Loch Raven and Prettyboy Reservoirs, Baltimore, Maryland. U. S. Soil Conserv. Serv. Spec. Rpt. 5, 21 p., processed. 1943. 1.96 R31Sp

12233 REITZ, W. W. Soil conservation and the public schools. 5 p., processed. Upper Darby, Pa., 1943. 1.9601 R27

12234 SNOW surveys and irrigation water forecasts...February 1, 1944. 3 Nos., processed. 1944. 1.96 R31Fsc

Colorado Agricultural Experiment Station, cooperating.

Colorado River Drainage Basin. 6 p.

Missouri and Arkansas Drainage Basins. 9 p.

Rio Grande Drainage Basin. 3 p.



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

12235 BARR, G. W. Arizona agriculture, 1944, production, income, and costs. Ariz. Agr. Expt. Sta. Bul. 192, 18 p. 1944. 100 Ar4

Folded map included.

California Agricultural Experiment Station, Berkeley

12236 MACGILLIVRAY, J. H., and others. Food values on a pound, acre, and man-hour basis for California processed vegetables. 15 p., processed. Calif. Agr. Expt. Sta., 1943. 281.391 C12F  
A. F. Morgan, G. C. Hanna, and Arthur Shultis, joint authors.

Colorado Agricultural Experiment Station, Fort Collins

12237 BEACH, GEORGE, and BRYANT, L. R. Grape growing in Colorado. Colo. Agr. Expt. Sta. Bul. 484, 14 p. 1944. 100 C71S  
Revision of Bul. 424.

12238 COLORADO farm bulletin, v. 6, No. 1, 15 p. Jan./Feb. 1944. 100 C71S

Florida Agricultural Experiment Station, Gainesville

12239 MEHRHOF, M. R., WARD, W. F., and MOORE, O. K. Effect of method of rearing S. C. White Leghorn chicks upon rate of growth, feed efficiency and mortality. Fla. Agr. Expt. Sta. Bul. 394, 12 p. 1943. 100 F66S

U. S. Bureau of Animal Industry cooperating.

Georgia Coastal Plain Experiment Station, Tifton

12240 CARR, J. M. Tobacco plant production in the Coastal Plain of Georgia. Ga. Coastal Plain Agr. Expt. Sta. Bul. 38, 22 p. 1943. 100 G292  
Seedbed management discussed.

12241 LAPRADE, J. L., and CARR, J. M. Fertilizing type 62 shade tobacco. Ga. Coastal Plain Agr. Expt. Sta. Bul. 39, 27 p. 1943. 100 G292

Illinois Agricultural Experiment Station, Urbana

12242 DUNGAN, G. H., and others. Illinois hybrid corn tests, 1943. Ill. Agr. Expt. Sta. Bul. 500, p. 103-123. 1944. 100 I16S

J. H. Bigger, A. L. Lang, Oren Bolin, and Benjamin Koehler, joint authors.

U. S. Bureau of Plant Industry and Illinois State Natural History Survey cooperating.

Iowa Agricultural Experiment Station, Ames

12243 NORMAN, A. G. Organic matter in Iowa soils. Iowa Agr. Expt. Sta. Bul. P57, p. 827-848. 1943. 100 Io9

12244 ROBINSON, J. L., and REISS, FRANCIS. The 1943 Iowa corn yield test. Iowa Agr. Expt. Sta. Bul. P58, p. 851-903. 1944. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

12245 WENGER, L. E. Buffalo grass. Kans. Agr. Expt. Sta. Bul. 321, 78 p. 1943. 100 K13S

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

12246 BRAY, C. I. Feeding rice and rice byproducts to swine. La. Agr. Expt. Sta. Cir. 33, 23 p. 1943. 100 L93

Abridged from La. Agr. Expt. Sta. Bul. 368.

Maine Agricultural Experiment Station, Orono

12247 CHANDLER, F. B. Low-bush blueberries. Maine Agr. Expt. Sta. Bul. 423, p. 105-131. 1943. 100 M28S

12248 THE MAINE Agricultural Experiment Station, report of progress for year ending June 30, 1943. Maine Agr. Expt. Sta. Bul. 420, p. 419-586. 1943. 100 M28S

Research reported on potatoes, dairying, poultry, foods and nutrition, canning and garden crops, fruits, field crops, land utilization, and agricultural prices.

12249 SCHRUMPF, W. E. Costs and practices in producing potatoes in central Aroostook County, Maine, 1940. Maine Agr. Expt. Sta. Bul. 424, p. 133-170. 100 M28S

12250 SCHRUMPF, W. E. Incomes, costs, and practices on three types of farms producing potatoes in central Maine, 1938. Maine Agr. Expt. Sta. Bul. 422, p. 29-103. 1943. 100 M28S

12251 TOBEY, E. R. Foods and drugs. Maine Agr. Expt. Sta. Off. Insp. 187, p. 121-231. 1943. 100 M28S

Maryland Agricultural Experiment Station, College Park

12252 BIRD, H. R., and BURKHARDT, G. J. Factors affecting the nutritive value of soybean oil meals and soybeans for chickens. Md. Agr. Expt. Sta. Bul. A27, p. 35-52. 1943. Ref., p. 51-52. 100 M38S

Massachusetts Agricultural Experiment Station, Amherst

12253 GUNNESS, C. I. Meteorological observations for January, 1944. Mass. Agr. Expt. Sta. Met. Ser. Bul. 661, 4 p. 1944. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

12254 WILDON, C. E. Garden roses. Mich. Agr. Expt. Sta. Spec. Bul. 222, rev., 60 p. 1944. 100 M58S

Colored illustrations.

12255 BOWMAN, A. B. Growth and occurrence of spruce and fir on pulpwood lands in northern Michigan. Mich. Agr. Expt. Sta. Tech. Bul. 188, 82 p. 1944. 100 M58S

12256 FELBER, I. M., and GARDNER, V. R. Effect of a hydrophilic colloid of high viscosity on water loss from soils and plants. (A preliminary report). Mich. Agr. Expt. Sta. Tech. Bul. 189, 30 p. 1944. 100 M58S



- 12257 BOELOWS, E. W. Water soils in relation to lake productivity. Mich. Agr. Expt. Sta. Tech. Bul. 190, 31 p. 1944. 100 M58S  
Fertilization of lake soils for fish productivity.

Minnesota Agricultural Experiment Station, University Farm, St. Paul

- 12258 DOWELL, A. A., and CLELAND, S. B. Reducing mileage in farm transportation. Minn. Agr. Expt. Sta. Bul. 373, 28 p. 1943. 100 M66  
12259 OLSEN, O. W., and FENSTERMACHER, REUEL. The helminths of North American deer with special reference to those of the white-tailed deer (*Odocoileus virginianus borealis*) in Minnesota. Minn. Agr. Expt. Sta. Tech. Bul. 159, 20 p. 1943. 100 M66  
12260 MINNESOTA farm and home science, v. 1, No. 2, 16 p. Feb. 15, 1944. 100 M668

Mississippi Agricultural Experiment Station, State College

- 12261 DAVIDSON, L. A. Soil management practices recommended for Tunica County. Miss. Agr. Expt. Sta. Bul. 381, 28 p. 1943. 100 M69  
U. S. Bureau of Plant Industry and Soil Conservation Service cooperating.  
12262 SHEETS, OLIVE. How dehydration affects the nutritive value of fruits and vegetables. Miss. Agr. Expt. Sta. Cir. 113, 4 p. 1943. 100 M69  
12263 MISSISSIPPI farm research, v. 7, No. 2, 8 p. Feb. 1944. 100 M68M1

Nebraska Agricultural Experiment Station, Lincoln

- 12264 THALMAN, R. R. Pasture vs. dry lot for fattening cattle. Nebr. Agr. Expt. Sta. Bul. 354, 20 p. 1944. 100 N27  
12265 BARE, O. S. External parasites of poultry and methods for their control. Nebr. Agr. Expt. Sta. Cir. 75, 8 p. 1943. 100 N27  
12266 MUSSEHL, F. E. Effect of manganese and iodine additions in a specific ration for laying hens. Nebr. Agr. Expt. Sta. Cir. 76, 4 p. 1944. 100 N27

New Jersey Agricultural Experiment Station, New Brunswick

- 12267 FERTILIZERS for New Jersey in 1944. N. J. Agr. Expt. Sta. Cir. 475, 8 p. 1944. 100 N46S  
12268 JEFFREY, F. P. The maintenance of high fertility in poultry flocks. N. J. Agr. Expt. Sta. Hints to Poultrymen, v. 31, No. 1, 4 p. Oct.-Nov. 1943. 100 N46S

New York (Cornell) Agricultural Experiment Station, Ithaca

- 12269 BLACK, W. E. Consumer demand for apples and oranges. N. Y. (Cornell) Agr. Expt. Sta. Bul. 800, 44 p. 1943. 100 N48C

North Dakota Agricultural Experiment Station, State College Station, Fargo

- 12270 BIMONTHLY bulletin, v. 6, No. 3, 35 p. 1944. 100 N813B

Ohio Agricultural Experiment Station, Wooster

- 12271 BIMONTHLY Bulletin, v. 29, No. 226, 77 p. Jan./Feb. 1944. 100 Oh38

Oklahoma Agricultural Experiment Station, Stillwater

- 12272 NELSON, PETER, and TUCKER, E. A. Farm terracing costs. Okla. Agr. Expt. Sta. Bul. B-276, 8 p. 1944. 100 Ok4  
12273 MEETING wartime sheep production goals. Okla. Agr. Expt. Sta. Cir. C-114, 8 p. 1943. 100 Ok4  
12274 CURRENT farm economics, v. 17, No. 1, 32 p. Feb. 1944. 100 Ok4

Pennsylvania Agricultural Experiment Station, State College

- 12275 JOHN, M. E. Factors influencing farmers' attitudes toward a cooperative marketing organization. Pa. Agr. Expt. Sta. Bul. 457, 34 p., 1943. 100 P381  
12276 MUSSER, H. B., and THORNTON, J. K. Alfalfa varieties and seed sources. Pa. Agr. Expt. Sta. Bul. 459, 5 p. 1943. 100 P381  
12277 KEEPPER, W. E., and PARSONS, M. S. War-time production problems of Pennsylvania farmers; an analysis with special attention to the feed situation. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1218, 40 p., processed. 1944. 100 P381J  
12278 ODLAND, M. L., and others. Pea variety and strain trials, 1943. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1212, 8 p., processed. 100 P381J  
W. B. Mack, C. B. Link, and E. M. Rahn, joint authors.  
12279 ODLAND, M. L., RAHN, E. M., and LINK, C. B. Snap bean, edible soy bean and lima bean variety and strain trials, 1943. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1205, 6 p., processed. 1943. 100 P381J  
12280 ODLAND, M. L., RAHN, E. M., and LINK, C. B. Sweet corn variety and strain trials, 1943. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1201, 5 p., processed. 1943. 100 P381J  
12281 ODLAND, M. L., RAHN, E. M., and LINK, C. B. Tomato variety and strain trials, 1943. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1203, 5 p., processed. 1943. 100 P381J  
12282 PIERCE, C. W. Milk price relationships between the Scranton-Wilkes-Barre and New York City markets. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1217, 15 p., processed. 1944. 100 P381J  
12283 WILDE, E. I. Trials of annual flowers, 1943. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1202, 24 p., processed. 1943. 100 P381J

Tennessee Agricultural Experiment Station, Knoxville

- 12284 DRAIN, B. D., and others. Sweetpotato culture: varieties, spacing, date of setting, date of digging, diseases, fertilizers. Tenn. Agr. Expt. Sta. Bul. 189, 24 p. 1944. 100 T25S  
C. D. Sherbakoff, C. A. Mooers, and B. P. Hazlewood, joint authors.  
12285 PARKER, J. E., and MCSPADDEN, B. J. Pastures for growing pullets. Tenn. Agr. Expt. Sta. Bul. 188, 14 p. 1944. 100 T25S  
12286 SHERBAKOFF, C. D. Wheats for Tennessee growers. Tenn. Agr. Expt. Sta. Cir. 86, 7 p. 1943. 100 T25S  
12287 EPPS, J. M. Peanut seed treatment. Tenn. Agr. Expt. Sta. Cir. Inform. 69, 1 p., processed. 1944. 100 T25C  
12288 LEBRUN, E. J. Farm management analysis of 107 farms on the Cumberland Plateau. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 165, 30 p. 1944. 173.2 W89Co



Texas Agricultural Experiment Station, College Station

12289 MCDONALD, J. E., and FRAPS, G. S. First annual report on the operation of the Texas insecticide and fungicide law. Tex. Agr. Expt. Sta. Cir. 104, 12 p. 1944. 100 T31S

Utah Agricultural Experiment Station, Logan

12290 FARM & home science, v. 4, no. 4, 12 p. Dec. 1943. 100 UtlF

Vermont Agricultural Experiment Station, Burlington

12291 HITCHCOCK, J. A. The economics of certified seed potato production. II. Factors which affect the cost of production. Vt. Agr. Expt. Sta. Bul. 504, 71 p. 1943. 100 V59

12292 LUTMAN, A. S. Agricultural seed. Vt. Agr. Expt. Sta. Bul. 506, 12 p. 1943. 100 V59  
Seed inspection.

12293 ELLENBERGER, H. B. Feeding dairy cows in 1944. Vt. Agr. Expt. Sta. Pam. 8, 14 p. 1944. 100 V59F

Virginia Agricultural Experiment Station, Blacksburg

12294 HENDERSON, R. G. Testing of copper fungicides for control of tomato blight in southwest Virginia. Va. Agr. Expt. Sta. Tech. Bul. 89, 18 p. 1943. 100 V81S

12295 HOUGH, W. S. Development and characteristics of vigorous or resistant strains of codling moth [*Carpocapsa pomonella*]. Va. Agr. Expt. Sta. Tech. Bul. 91, 32 p. 1943. Ref., p. 31-32. 100 V81S

West Virginia Agricultural Experiment Station, Morgantown

12296 ABRAHAMSEN, M. A. Milk assembling and distribution in Harrison County, West Virginia. W. Va. Agr. Expt. Sta. Mimeog. Cir. 47, 30 p. 1943. 100 W52M

12297 POHLMAN, G. G., and LEACH, J. G. Increase feed; more oats per acre on the farm and home front. W. Va. Agr. Expt. Sta. M.W.S. 19, 5 p., processed. 1944. 100 W52Mw

Wisconsin Agricultural Experiment Station, Madison

12298 SHANDS, H. L., and LEITH, B. D. Vicland oats. Wis. Agr. Expt. Sta. Bul. 462, 15 p. 1944. 100 W75

Wyoming Agricultural Experiment Station, Laramie

12299 SCOTT, J. W. Economic importance of Sarcosporidia, with especial reference to Sarcocystis tenella. Wyo. Agr. Expt. Sta. Bul. 262, 55 p. 1943. 100 W75



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Polytechnic Institute, Agricultural Extension Service, Auburn

12300 HOUSEHOLD equipment, its care and simple repair. Ala. Polytech. Inst. Agr. Ext. Folder W-26, 36 p. 1943. 275.29 Ar4Ext

Arizona University, College of Agriculture, Agricultural Extension Service, Tucson

12301 RONEY, J. N., and PISTOR, W. J. Control the cattle grub (Hypoderma), and produce more milk, beef, leather. Ariz. Agr. Col. Ext. Folder W-29, 6 p. 1943. 275.29 Ar4Ext

California University, College of Agriculture, Agricultural Extension Service, Berkeley

12302 SULLIVAN, WALLACE, and MILLER, J. C. 1943 avocado production cost and efficiency analysis, eighth annual summary with eight year average, San Diego County. An analysis of yield, income and costs on 12 avocado orchards covering 47 acres. 10 p., processed. Calif. Agr. Col. Ext., 1944. 275.29 C12En

Delaware University, School of Agriculture, Extension Service, Newark

12303 JOHNSON, H. A., and others. Planning for Delaware agriculture. I. Desirable post-war objectives. Del. Univ. Agr. Ext. Mimeog. Cir. 29, 4 p. 1943. 275.29 D47M  
T. A. Baker, E. P. Brasher, Helen McKinley, C. E. Phillips, and G. M. Worrlow, joint authors.

Florida University, College of Agriculture, Agricultural Extension Service, Gainesville

12304 CREIGHTON, J. T. Household pests. Fla. Agr. Col. Ext. Bul. 122, 55 p. 1943. 275.29 F66  
12305 McMULLEN, K. S. Put conservation farming behind war food production. Fla. Agr. Col. Ext. Cir. 74, 18 p. 1944. 275.29 F66C

Soil and water conservation in relation to war food production.

12306 SMITH, J. L. Growing corn in Florida under war-time conditions. Fla. Agr. Col. Ext. Cir. 76, 8 p. 1944. 275.29 F66C

12307 SMITH, J. L. Producing peanuts in Florida. Fla. Agr. Col. Ext. Cir. 75, 8 p. 1944. 275.293 F66C

12308 SMITH, J. L. Producing quantity and quality flue-cured tobacco in Florida. Fla. Agr. Col. Ext. Cir. 73, 10 p. 1943. 275.29 F66C

Illinois University, College of Agriculture, Extension Service, Urbana

12309 CARTER, D. G., and CARROLL, W. E. Self-feeders for hogs, their construction and use. Ill. Agr. Col. Ext. Cir. 562, 16 p. 1943. 275.29 I162C

12310 COOK, F. E. For your health's sake know your vegetables - the vitamins and minerals they contain and how to prepare and cook them. Ill. Agr. Col. Ext. Cir. 564, 4 p. 1943. 275.29 I162C

12311 DAVIS, J. E. Forest planting on Illinois farms. Ill. Agr. Col. Ext. Cir. 567, 34 p. 1944. 275.29 I162C

12312 DUNGAN, G. H., and BONNETT, O. T. Better yields of spring oats with better varieties. Ill. Agr. Col. Ext. Cir. 570, 4 p. 1944. 275.29 I162C

12313 POWELL, DWIGHT, CHANDLER, S. C., and KELLEY, V. W. Pest control in commercial fruit plantings. Ill. Agr. Col. Ext. Cir. 568, 43 p. 1944. 275.29 I162C

12314 LONG, T. E. Rotating knife potato cutter. Ill. Agr. Col. Ext. Spec. Cir. A-43, 8 p. 1943. 275.29 N812Sa

12315 PARRISH, B. D. A survey of motor trucks in Douglas and Henderson Counties, Illinois, October 1943. Ill. Agr. Col. Ext. AE2139, 17 p., processed. 1943. 275.29 I162P

Indiana - Purdue University, Agricultural Extension Service, La Fayette

12316 FERTILIZER recommendations for spring planted crops in Indiana. Purdue Univ. Agr. Ext. Leaflet 243, rev., 2 p. 1944. 275.29 In2L

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

12317 BERRY, M. H., and TURK, K. L. Raising dairy calves and heifers. Md. Agr. Col. Ext. Bul. 90, rev., 34 p. 1943. 275.29 M36B

12318 MCPHEETERS, MARGARET. Home canning in Maryland. Md. Agr. Col. Ext. Bul. 55, rev., 24 p. 1943. 275.29 M36B

12319 TURK, K. L. Profitable dairy feeding. Md. Agr. Col. Ext. Bul. 89, rev., 59 p. 1943. 275.29 M36B

12320 QUIGLEY, G. D. Produce more! Eat more! Eggs and poultry. Md. Agr. Col. Ext. Cir. 141, 8 p. 1943. 275.29 M36L

Massachusetts State College, Extension Service, Amherst

12321 ROBERTS, O. C. Grape culture in Massachusetts. Mass. State Col. Ext. Leaflet 64, rev., 16 p. 1943. 275.29 M381L

Includes sections: Controlling insects, by A. I. Bourne; Controlling diseases, by O. C. Boyd.

12322 MOSER, R. E. Income tax primer for farmers. 4 p. Mass. State Col. Ext., 1944. 275.29 M381Fa

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

12323 HILL, E. B., MAY, C. O., and HAIST, A. H. Farmers and the income tax. Mich. State Col. Agr. Ext. Bul. 257, 24 p. 1944. 275.29 M58B

12324 MUNCIE, J. H. Michigan potato diseases and their control. Mich. State Col. Agr. Ext. Bul. 162, rev., 62 p. 1943. 275.29 M58B

12325 BULL, W. I., and DICKERMAN, M. B. How Michigan can supply wood for war industries. Mich. State Col. Agr. Ext. Folder F-69, 6 p. 1944. 275.29 M48Ex



12326 GASTON, H. P. How to get the farm help you need; how to keep the farm help you get. Mich. State Col. Agr. Ext. Folder 70, 8 p. 1944. 275.29 M48Ex  
Farm labor situation in Michigan.

Minnesota University. Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

12327 CRIM, R. F., and BURSON, P. M. Well managed pastures. Minn. Univ. Agr. Ext. Bul. 241, 8 p. 1944. 275.29 M66S

12328 KIRCHNER, CHARLOTTE. 4-H home improvement: some pointers on care and repair of furniture. Minn. Univ. Agr. Ext. 4-H Bul. 29, 8 p. 1943. 275.29 M662M

12329 MATHER, M. A., and RYMAN, M. W. 4-H fitness and recreation: program suggestions for 4-H meetings, county fairs, camps, 4-H weeks, and picnics. Minn. Univ. Agr. Ext. 4-H Bul. 30, 24 p. 1943. 275.29 M662M

12330 MILLER, M. M. 4-H homemaking assistance. Minn. Univ. Agr. Ext. 4-H Bul. 28, 10 p. 1943. 275.29 M662M

Nebraska University. College of Agriculture. Agricultural Extension Service, Lincoln

12331 HOPPERT, E. H. New varieties of tomatoes for Nebraska and their culture. Nebr. Agr. Col. Ext. Cir. 1266, rev., 5 p., processed. 1944. 275.29 N272Ex

12332 PRODUCTION of tomato plants. Nebr. Agr. Col. Ext. Cir. 1270, 4 p., processed. 1944. 275.29 N272Ex

12333 WERNER, H. O., and others. Growing tomatoes in eastern Nebraska for commercial canning. Nebr. Agr. Col. Ext. Cir. 1269, 5 p., processed. 1944. 275.29 N272Ex

M. W. Felton, J. W. Fitts, and H. D. Tate, joint authors.

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

12334 ASDELL, S. A., and MARQUARDT, J. C. The dairy goat. N. Y. (Cornell) Agr. Col. Ext. Bul. 414, rev., 39 p. 1943. 275.29 N48E

12335 ASMUS, HENRY. Farm horseshoeing. N. Y. (Cornell) Agr. Col. Ext. Bul. 323, rev., 28 p. 1943. 275.29 N48E

12336 COLWELL, W. E. How to recognize some common alfalfa troubles. N. Y. (Cornell) Agr. Col. Ext. Bul. 616, 8 p. 1943. 275.29 N48E

Colored plates.

12337 COMSTOCK, R. B. Partial covers to protect chairs. N. Y. (Cornell) Agr. Col. Ext. Bul. 625, 12 p. 1943. 275.29 N48E

12338 FAIRBANKS, F. L., and GOODMAN, A. M. Dairy-stable ventilation. N. Y. (Cornell) Agr. Col. Ext. Bul. 151, rev., 32 p. 1943. 275.29 N48E

12339 GOODMAN, A. M. Homes for laying hens. N. Y. (Cornell) Agr. Col. Ext. Bul. 451, rev., 43 p. 1943. 275.29 N48E

12340 GUSTAFSON, A. F. Liming New York soils. N. Y. (Cornell) Agr. Col. Ext. Bul. 78, rev., 32 p. 1943. 275.29 N48E

12341 HANDBOOK for food production in New York State, 1944. N. Y. (Cornell) Agr. Col. Ext. Bul. 633, 35 p. 1944. 275.29 N48E

12342 HART, V. B., KENDRICK, M. S., and CUNNINGHAM, L. C. Suggestions to New York farmers on making income-tax returns. N. Y. (Cornell) Agr. Col. Ext. Bul. 632, 32 p. 1944. 275.29 N48E

12343 JENNINGS, B. A. Milk-house construction. N. Y. (Cornell) Agr. Col. Ext. Bul. 330, rev., 31 p. 1943. 275.29 N48E

12344 POST, KENNETH. Care of plants in the home. N. Y. (Cornell) Agr. Col. Ext. Bul. 623, 18 p. 1943. 275.29 N48E

12345 REED, C. H. Silo durability and maintenance. N. Y. (Cornell) Agr. Col. Ext. Bul. 457, rev., 26 p. 1943. 275.29 N48E

12346 REMSBERG, R. E. The home repair of electrical equipment. N. Y. (Cornell) Agr. Col. Ext. Bul. 621, 14 p. 1943. 275.29 N48E

12347 TURK, K. L. Feeding dairy calves and heifers. N. Y. (Cornell) Agr. Col. Ext. Bul. 361, rev., 22 p. 1943. 275.29 N48E

12348 WILLMAN, J. P. Sheep production. N. Y. (Cornell) Agr. Col. Ext. Bul. 399, rev., 51 p. 1943. 275.29 N48E

12349 WILLMAN, J. P. Swine production in New York State. N. Y. (Cornell) Agr. Col. Ext. Bul. 341, rev., 50 p. 1943. 275.29 N48E

12350 WRIGHT, F. B. Care of electric motors. N. Y. (Cornell) Agr. Col. Ext. Bul. 541, rev., 8 p. 1943. (War Emergency Bul. 49) 275.29 N48E

North Carolina University. State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

12351 NISWONGER, H. R., HARRIS, J. H., and LASSITER, J. Y. Small fruits for home use. N. C. Agr. Col. Ext. War Ser. Bul. 30, 10 p. 1944. 275.29 N811W

Cultivation of small fruits, lettuce, asparagus, celery, and onions.

12352 SPOT the loafers in your flock. N. C. Agr. Col. Ext. War Ser. Bul. 26, 4 p. 1943. 275.29 N811W

Culling non-layers from the flock.

12353 IT'S TIME for teamwork. N. C. Agr. Col. Ext. Misc. Pam. 80, 7 p. 1943. 275.29 N811M  
Farm and home management.

North Dakota Agricultural College, Extension Service, State College Station, Fargo

12354 KNOWLES, DARLINE. The preservation of fruits and vegetables in cold storage lockers. N. Dak. Agr. Col. Ext. Cir. 169, rev., 12 p. 1943. 275.29 N812

12355 CONTROL insects in your garden. N. Dak. Agr. Col. Ext. Spec. Cir. A-44, 1 p., processed. 1943. 275.29 N812Sa

12356 COOK, J. E. A backyard poultry house. N. Dak. Agr. Col. Ext. Spec. Cir. A-46, 4 p. 1943. 275.29 N812Sa

12357 DAWSON, R. M. Drying Victory garden food. N. Dak. Agr. Col. Ext. Spec. Cir. A-49, 4 p. 1943. 275.29 N812Sa

12358 DAWSON, R. M. Salting and brining vegetables. N. Dak. Agr. Col. Ext. Spec. Cir. A-50, 4 p. 1943. 275.29 N812Sa

12359 GRAVES, H. A., and GERBRACHT, DOROTHEA. North Dakota lawns. N. Dak. Agr. Col. Ext. Spec. Cir. A-47, 4 p. 1943. 275.29 N812Sa

12360 MURRAY, D. L. Making butter on the farm. N. Dak. Agr. Col. Ext. Spec. Cir. A-45, 6 p. 1943. 275.29 N812Sa

12361 NORTH DAKOTA 4-H club work. N. Dak. Agr. Col. Ext. Spec. Cir. A-41, 4 p. 1943. 275.29 N812Sa

Ohio State University. College of Agriculture, Agricultural Extension Service, Columbus

12362 CALLAHAN, E. M., and BERRY, EDITH. The paper dress form. Ohio Agr. Col. Ext. Bul. 247, 7 p. 1944. 275.29 Oh32



- 12363 JONES, EARL, and YODER, R. E. 1944 war-time fertilizers for spring-sown crops, permanent pastures, and hay fields. Ohio Agr. Col. Ext. Bul. 231, rev., 4 p. 1944. 275.29 Oh32
- 12364 PARKS, T. H. Rat control. Ohio Agr. Col. Ext. Bul. 245, 4 p. 1943. 275.29 Oh32
- 12365 BEALL, THELMA. A chart for your house wiring. Ohio Agr. Col. Ext. R. E. Cir. 60, 1 p. 1944. 275.29 Oh32Rec
- 12366 BLAUSER, I. P. Farm labor by wire. Ohio Agr. Col. Ext. R. E. Cir. 61, 1 p. 1944. 275.29 Oh32Rec
- Electric motor for manpower.
- 12367 MOYER, D. D. Starting the 1943 turkey crop. Ohio Agr. Col. Ext. Turkey Talk 5, 4 p. 1943. 275.29 Oh32Tu
- Production goals.

Tennessee University, College of Agriculture, Agricultural Extension Service, Knoxville

- 12368 KELLER, L. L., and LOVEFACE, INEZ. You and your work. Tenn. Agr. Col. Ext. Pub. 278, 8 p. 1944. 275.29 T25
- Simplification of tasks through better management of the home.
- 12369 A 1944 WAR PRODUCTION program for Tennessee farms. Tenn. Agr. Col. Ext. Pub. 276, 15 p. 1944. 275.29 T25
- 12370 HENDRICKS, H. E. High crop yields for war time. Tenn. Agr. Col. Ext. Agron. Victory Cir. 7, 8 p. 1944. 275.29 T25A

Utah State Agricultural College, Extension Service, Logan

- 12371 COOK, S. S. Washing and pressing wool and rayon fabrics. Utah State Agr. Col. Ext. N. S. 121, 3 p. 1943. 275.29 Ut1
- Care of clothing.
- 12372 DRY-CLEANING at home. Utah State Agr. Col. Ext. N. S. 95, rev., 4 p. 1943. 275.29 Ut1
- 12373 FRUIT pest control program. Utah State Agr. Col. Ext. N. S. 127, 8 p. 1944. 275.29 Ut1
- 12374 MILLER, ELNA. The cabbage family. Utah State Agr. Col. Ext. N. S. 60, rev., 4 p. 1943. 275.29 Ut1
- Recipes.
- 12375 MILLER, ELNA. Can the safe way. Utah State Agr. Col. Ext. N. S. 114, rev., 19 p. 1943. 275.29 Ut1
- 12376 MILLER, ELNA. Carrots. Utah State Agr. Col. Ext. N. S. 59, rev., 4 p. 1943. 275.29 Ut1
- Recipes.
- 12377 MILLER, ELNA. Spinach and other greens. Utah State Agr. Col. Ext. N. S. 84, rev., 4 p. 1943. 275.29 Ut1
- Recipes.

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

- 12378 SOMMERFELD, EDNA. Pressing equipment for the home. Vt. Agr. Col. Ext. Brieflet 577, rev., 8 p., processed. 1944. 275.29 V59E
- 12379 HENDERSON, D. C. Raising chicks in Vermont. Vt. Agr. Col. Ext. Cir. 100, rev., 17 p. 1943. 275.29 V59C

Washington State College, Extension Service, Pullman

- 12380 DAVIS, ELEANORE. Canning fruits and vegetables. Wash. State Col. Ext. Bul. 183, rev., 20 p. 1943. 275.29 W27P
- 12381 DAVIS, ELEANORE, and MILLER, R. N. Drying fruits and vegetables at home. Wash. State Col. Ext. Bul. 188, rev., 16 p. 1943. 275.29 W27P

- 12382 DAVIS, ELEANORE. Meat alternates. Wash. State Col. Ext. Bul. 299, 8 p. 1943. 275.29 W27P
- Meat substitutes.
- 12383 DAVIS, ELEANORE. Meat extenders: meals in wartime. Wash. State Col. Ext. Bul. 300, 12 p. 1943. 275.29 W27P

- 12384 ENSMINGER, A. M., and DAVIS, ELEANORE. Peas and beans: meals in wartime. Wash. State Col. Ext. Bul. 298, 12 p. 1943. 275.29 W27P
- 12385 RECOMMENDATIONS for codling moth [Carpocapsa pomonella], orchard mite, aphid and scale [Coccidae], control in Washington, 1943. Wash. State Col. Ext. Bul. 279, rev., 12 p. 1943. 275.29 W27P
- 12386 SNYDER, J. C., SMITH, L. G., and MEYER, C. T. 4-H garden club outline. Wash. State Col. Ext. 4-H Club Cir. 24, rev., 4 p. 1943. 275.29 W27P
- 12387 CANNIBALISM in chickens. Wash. State Col. Ext. Poultry Pointers No. 12, rev., 4 p. 1943. 275.29 W27Pou

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

- 12388 COFER, E. S., and HUMPHREYS, GERTRUDE. Guides to wartime conservation: good milk deserves good care. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 4b, 6 p. 1944. 275.29 W522G
- 12389 COFER, E. S. Guides to wartime conservation: making the best of wartime food. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 3a, 6 p. 1944. 275.29 W522G
- Suggests use of soybeans and wild fruits.
- 12390 HUMPHREYS, GERTRUDE. Guides to wartime conservation: more fruits from the family garden. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 2, 6 p. 1944. 275.29 W522G
- 12391 HUMPHREYS, GERTRUDE. Guides to wartime conservation: our wartime responsibilities. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 1, 6 p. 1944. 275.29 W522G
- 12392 WASMUTH, G. V. Guides to wartime conservation: new touches to old furnishings. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 4a, 6 p. 1944. 275.29 W522G
- Cleaning and repair of furniture.
- 12393 WASMUTH, G. V. Guides to wartime conservation: your wartime dollars. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 3b, 6 p. 1944. 275.29 W522G

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 12394 MOORE, J. G., and COMBS, O. B. Home vegetable gardens. Wis. Agr. Col. Ext. Cir. 254, rev., 16 p. 1943. 275.29 W75C
- 12395 TRUOG, EMIL, CHAPMAN, C. J., and GRAUL, E. J. Ammonium nitrate. Wis. Agr. Col. Ext. Cir. 342, 4 p. 1944. 275.29 W75C
- 12396 BACK to the land after the war? 4 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- A discussion of soldier settlement.
- 12397 BARRETT, G. R. When selecting your next dairy sire. 3 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 12398 BATE, E. B. Understanding the 'teen age. 24 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 12399 BOHSTEDT, GUS. New findings in livestock feeding. 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 12400 BOHSTEDT, GUS. What are the best buys in feed? 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S



- 12401 BRIGGS, G. M. It's fanning mill time in Wisconsin. 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 12402 HALL, I. F., MCNALL, P. E., and FOLLETT, A. O. Farm records for your income tax report. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 12403 HOME made "log jammer." 1 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 12404 LUNDQUIST, N. S. Calves need vitamins. 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 12405 TORRIE, J. H., BRIGGS, G. M., SCHWENDIMAN, ALVIN. Flax in Wisconsin. 6 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 12406 WERNER, G. M. Care at calving time is important. 3 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 12407 YOUR farm is a war plant. 4 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S  
Prevention of farm accidents.

## BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 12408 ADAMS, R. L. Supplement to farm management crop manual. 11 p., processed. Berkeley, Univ. of Calif. Press, 1943. (Univ. of Calif. Syllabus Ser. Sup. to Syllabus No. 278) 281.010 Ad1
- 12409 \*ALMA-ATA, KAZAKHSKIY NAUCHNO-ISSLEDOVATEL' SKII INSTITUT EKONOMIKI SEL'SKOGO KHOZ'YAYSTVA. Kak sostavit' proizvodstvennyy plan kolkhoza, 1941. How to make a production plan for collective farms, 1941. 25 p. Alma-Ata, Kazgosizdat, 1941. 281.9 AL6
- 12410 BATHURST, E. G., ed. Conservation education in rural schools. Yearbook, February 1943. 114 p. Washington, Natl. Ed. Assoc. of the U. S., Dept. of Rural Ed., 1943. Ref., p. 99-114. 279.12 N212
- 12411 COLE, G. D. H. Great Britain in the post-war world. 168 p. London, Gollancz, 1942. 280.171 C672G  
Food imports and possibilities of self-sufficiency and town planning are included.
- 12412 CONFÉDÉRATION INTERNATIONALE DE L'AGRICULTURE. To the organisations members of the International Confederation of Agriculture. 3 p. Brugg, Switzerland, 1942. 281 C764  
Suggestions for post-war agricultural policy.
- 12413 GULL, E. M. British economic interests in the Far East. 272 p. N. Y., Inst. Pacific Relat., Internatl. Sec., 1943. 280.18 G952  
A study in trade.
- 12414 \*HÉVEY, LÁSZLÓ. Institutions of agrarian culture in Hungary. 33 p. Budapest, Royal Hungarian Univ. Press, 1941. Ref. 275.1 H48
- 12415 \*KHRUSHCHEV, N. S. K novym uspekham sotsialisticheskogo sel'skogo khoz'yaistva Ukrainy [About new advances in the socialist rural economy of the Ukraine]. 61 p. Leningrad, Ogiz, 1941. 281.179 K526K
- 12416 LI, Y.-I., FEI, H.-T., and CHANG, T.-I. Three types of rural economy in Yunnan. 35 p., processed. N. Y., Inst. of Pacific Relat., Internatl. Sec., 1943. (Social Change in Southwest China - Case Study 1) 281.184 L61  
Studies of three communities, including land tenure.
- 12417 MEHTA, V. L. A plea for planning in cooperation. 26 p. Lokasangraha, Poona, 1942. (Gokhale Inst. of Politics and Econ., Poona. R. R. Kale Mem. Lecture 1942) 284.2 V19  
Includes cooperative agricultural credit.
- 12418 MEIKSINS, GREGORY. The Baltic riddle; Finland, Estonia, Latvia, Lithuania - key-points of European peace. 271 p. N. Y., Fischer, 1943. Ref., p. 259-261. 280.170 M47  
Includes agriculture and distribution of land to the peasants.
- 12419 MYRDAL, GUNNAR, STERNER, RICHARD, and ROSE, ARNOLD. An American dilemma; the Negro problem and modern democracy. 2 v., 1483 p. N. Y., Harper, 1944. Ref., p. 1144-1180. 280.12 M992  
Partial contents: Land problem, p. 224-227; Tenancy problem, p. 227-229; The southern plantation economy and the Negro farmer, p. 230-250; New blows to southern agriculture during the thirties: trends and policies, p. 251-278.
- 12420 OLSON, P. R., and HICKMAN, C. A. Pan American economics. 479 p. N. Y., Wiley, 1943. Ref., p. 431-461. 280.16 OL8  
Includes agricultural products and trade of the Latin American countries.
- 12421 PEATTIE, RODERICK, ed. The Great Smokies and the Blue Ridge; the story of the Southern Appalachians. 372 p. N. Y., Vanguard, 1943. 125 P32  
An appendix on further reading, p. 351-359.  
Partial contents: The mountain people, by A. P. Hannum, p. 73-151; Men, mountains, and trees, by D. C. Peattie, p. 152-171; Blue Ridge wild flowers, by D. C. Peattie, p. 172-199; Adventures among the mountain craftsmen, by Ralph Erskine, p. 200-216.
- 12422 SMUTS, J. C. Toward a better world. 308 p. N. Y., Duell, 1944. 280 Sm8  
Touches upon agricultural and land policy for South Africa.
- 12423 STETTINIUS, E. R., JR. Lend-lease, weapon for victory. 358 p. N. Y., Macmillan, 1944. 280 St43
- 12424 STREAT, SIR RAYMOND. Overseas trade agreements after the war. 7 p., processed. Liverpool, Internatl. Wheat Council, 1942. 286 St82
- 12425 TANAHASHI, H. Syndicats agricoles in Japan. 83 p. N. p., 1940. 34.3 T15  
Text in Japanese.
- 12426 UNITED NATIONS INFORMATION OFFICE. SECTION FOR INFORMATION ON POSTWAR RECONSTRUCTION. Activities of agencies. 15 p., processed. N. Y., 1944. (Rpt. No. 6) 225 Un35A  
Brings to date the activities of 41 economic and social agencies included in volumes 1-11 of the "Survey of Agencies."
- 12427 UNITED NATIONS INFORMATION OFFICE. SECTION FOR INFORMATION ON POSTWAR RECONSTRUCTION. Research and postwar planning; survey of agencies, volume XII. 37 p., processed. N. Y., 1943. 225 Un35  
Agencies include the Research Bureau for Postwar Economics and the United Nations Interim Commission on Food and Agriculture.
- 12428 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Housing: V. 2, General characteristics. pt. 4: Nebraska-Pennsylvania. 1024 p. Washington, U. S. Govt. Print. Off., 1943. 157.4 Cl69H  
Includes rural farm and rural nonfarm dwellings.



12429 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Housing: V. 4, Mortgages on owner-occupied nonfarm homes. Pt. 3: North Carolina-Wyoming; including supplement A, Mortgages on homes built in 1935-40; and supplement B, Mortgages on homes occupied by nonwhite owners. 1003 p. Washington, U. S. Govt. Print. Off., 1943. 157.4 C169H

Includes rural nonfarm homes.

12430 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. V. 4. Characteristics by age, marital status, relationship, education, and citizenship. Pt. 2: Alabama-Louisiana. 945 p. Washington, U. S. Govt. Print. Off., 1943. 157.4 C162

Includes rural farm and rural nonfarm population.

12431 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. V. 4. Characteristics by age, marital status, relationship, education, and citizenship: Pt. 4: Ohio-Wyoming. 919 p. Washington, U. S. Govt. Print. Off., 1943. 157.4 C162

Includes rural farm and rural nonfarm population.

12432 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population: internal migration 1935 to 1940; color and sex of migrants. 490 p. Washington, U. S. Govt. Print. Off., 1943. 157.4 C1621

Includes figures for rural population.

12433 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. First deficiency appropriation bill for 1943. Hearings... 78th Cong., 1st sess. 808 p. Washington, U. S. Govt. Print. Off., 1943. 148.9 Ap6

Department of Agriculture, p. 206-255.

12434 U. S. TREASURY DEPT. INTERGOVERNMENTAL FISCAL RELATIONS COMMITTEE. Intergovernmental fiscal relations. 6 v. Washington, 1943. 284 Un322

Includes compensation to local governments on real estate owned by the U. S. Department of Agriculture, regionalism and the Tennessee Valley Authority, and tobacco taxation.

12435 \*VOLKOV, I. N. Dopolnitel'naiâ oplata truda kol'khoznikov [Additional payments for the work of the collective farmers]. 46 p. Alma-Ata, Kazakhskii Nauchno-issledovatel'skii Institut Ekonomiki Sel'skogo Khoziaistva, 1941. 283 V88

12436 \*VOLKOV, I. N. Postoiannye zven'ia v kol'khoznykh brigadakh [Permanent labor chain organization in the brigades of the collective farms]. 47 p. Alma-Ata, Kazakhskii Nauchno-issledovatel'skii Institut Ekonomiki Sel'skogo Khoziaistva, 1942. 283 V88P

With B. M. Vasil'ev, K. F. Shakhov, and A. P. Larionov.

12437 \*VOLKOV, I. N. Spravochnik po dopolnitel'noi opiate truda v kol'khozakh Kazakhskoi SSR [A manual on additional labor payments in the collective farms of Kazakhstan]. 44 p. Alma-Ata, Kazakhskii Nauchno-issledovatel'skii Institut Ekonomiki Sel'skogo Khoziaistva, 1942. 283 V88S

12438 WILLIAMSON, H. F., ed. The growth of the American economy; an introduction to the economic history of the United States. 804 p. N. Y., Prentice-Hall, 1944. (Prentice-Hall Econ. Ser.) 277.12 W67

Ref. at end of chapters.

Partial contents: The early settlements, by W. F. Craven, p. 19-43; The organization of production during the colonial period, by R. B. Morris, p. 44-65; Westward expansion before the Homestead Act, by P. H. Overmeyer, p. 82-112; Agricultural technology to 1880,

by C. H. Danhof, p. 113-140; Agricultural organization: a comparative analysis, 1789-1860, by Bernhard Ostrolenk, p. 141-155; The processing of agricultural products in the pre-railway age, by C. B. Kuhlmann, p. 189-209; Westward expansion since the Homestead Act, by R. C. Overton, p. 342-378; The emergence of agricultural regionalism, by E. D. Ross, p. 379-410; The Great Plains, by C. C. Rister, p. 411-431; The processing of agricultural products after 1860, by C. B. Kuhlmann, p. 432-466.

#### AGRICULTURAL ENGINEERING

12439 GENERAL ELECTRIC COMPANY. Maintenance tips for your electric farm equipment. 15 p. Schenectady, 1943. 58 G282M

12440 \*POPESCU, AGRIPA. Secreitorarea-treerãtoare si utilizarea sa in România [The combine and its utilization in Rumania]. Ed. 2, 94 p. București, Presa Veche Românească, 1940. 58 P812

12441 WEYERHAUSER SALES COMPANY. 4-square lumber-built farm equipment. 57 p. St. Paul, 1943. 296 W542

Includes plans for buildings and equipment.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

12442 \*ARTASHEVA, E. A. Stakhanovskoi rabotoi uvelichim vypusk l'nianogo volokna [Stakhanovite methods for increasing production of flax fibers]. 19 p. Moskva, Gilegprom, 1943. 304 Ar7

12443 BLANCHARD, F. S. The textile industries of China and Japan; post-war opportunities and problems for America. 71 p. N. Y., Textile Res. Inst., Inc., 1944. 304 T319T

Includes discussion of raw materials for the industries and cotton statistics.

12444 \*BUMAZHNOV, A. D. Sushka iaitsoproductov [Dehydration of egg products]. 47 p. Moskva, Pishchepromizdat, 1943. 389.3 B882

12445 THE CANNER. "What's cookin' in the canning industry?" 31 p. Chicago, 1943. 389.3 C163

12446 DAIRY INDUSTRY COMMITTEE. Suggestions presented by the Dairy Industry Committee to the War Food Administration and the Office of Price Administration for maintaining necessary production of milk. 14 p., processed. Washington, D. C., 1943. 284.344 D14

A one-page supplement with four charts is entitled: Dairy Products -- High in Food Essentials Low in Cost.

12447 \*FUKS, E. S. Belenie i mergerizatsiia priazhi i trikotazhno-vfazyanykh izdelii [Bleaching and mercerizing thread and knitted articles]. 191 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1939. 304 F952

12448 \*FURMAN, L. M. Povysim urozhai kok-saghyza [Increasing the harvest of kok-saghyz]. 29 p. Moskva, Sel'khozgiz, 1943. 78 F98

At head of title: U. S. S. R. Narodnyi Komissariat Rezinovoi Promyshlennosti.

12449 \*GEL'BRAS, M. S. Issledovanie usilii, deistviushchikh na nit' v protsesse priadeniia na khlopchatobumazhnom vatere [Analysis of tension acting on thread in the process of spinning on a cotton frame]. 145 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1939. 304 G283

12450 \*GORDON, N. B. Otdelka enfanykh tkanei [Finishing of linen]. 143 p. Moskva Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. (IDC-49-1011) 304 G65



12451 GREAT BRITAIN. SELECT COMMITTEE ON NATIONAL EXPENDITURE. Fifth report...session 1942-1943... home flax production. 12 p. London, 1943. (Gt. Brit. Parliament, 1942-43. H. of C. Rpts. and Papers 69.) 284 G795

A survey of the industry and measures taken to expand it.

12452 GREENE, S. H. California's dairy industry and the war. 10 p., processed. San Francisco, California Dairy Council, 1943. 281.344 G124

12453 \*IOFFE, I. G. Khlopchatobumazhnaia promyshlennost' SSHA [Cotton industry in the U. S. A.]. 126 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1941. 304 I62

12454 \*KHIMICHESKAYA tekhnologiya voloknistykh veshchestv. 2 v. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 304 K52

Ref. at end of chapters.

v. 1. Obrabotka tselluloznykh volokon [The refining of cellulosic fibres], by P. P. Viktorov, 535 p.; v. 2. Volokna zhivotnogo proiskhozhdeniya sherst' i shelk [Fibres of animal origin: wool and silk], by A. I. Matetskii, and M. V. Korchagin, 391 p.

12455 \*KIRSSTEIN, B. A. Otdelka khlopchatobumazhnoi tkani [Bleaching of cotton materials]. Ed. 2, 157 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1939. 304 K63

12456 \*KORITSKII, K. I. Voprosy struktury i proektirovaniia khlopchatobumazhnoi prfazi [Structure and project problems in cotton spinning]. 166 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 304 K84

12457 LAMBORN, O. H. Address on the sugar situation...at the Wartime Conference, National Confectioners Association, June 2, 1943. 4 p. Chicago, 1943. 389 L17

12458 \*LIBENSON, N. L. Kardochesanie khlopka [Carding of cotton]. Ed. 2, 86 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 304 L61

12459 LIMA SOBRINHO, BARBOSA. Os fundamentos nacionais da politica do acucar. 32 p. Rio de Janeiro, Grafica Rio-Arte, 1943. 281.365 B23F

12460 \*LINDE, V. V. Uchenie o shelke [Instruction on silk]. Ed. 2, 335 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 425 L64

12461 \*LUNEV, I. IA. Pervichnaia obrabotka kenafa i kanatnika [Primary treatment of hemp and rope]. 98 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1939. 304 L92

12462 \*MARKUZE, K. M. Vliianie sveta na prochnost' tekstil'nykh volokon [Influence of light on the durability of textile fibers]. 23 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 304 M34

12463 \*MELESHKEVICH, I. S., and ANDREEV, N. G. Uborka l'na-dolguntsa [Flax harvesting]. 15 p. Moskva, Sel'khozgiz, 1943. 73.1 M48

Harvesting, drying, and retting of flax.

12464 \*MONDZELEVSKII, L. S. Dispatcherizatsiya v sherstianoi promyshlennosti [Dispatching in the wool industry]. Ed. 2, 187 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1939. 249 M74

12465 NEW ZEALAND LOAN AND MERCANTILE AGENCY CO., LTD. Wool: a review of the past as an aid to the study of the future. 50 p. London, 1944. 286.345 N48

Includes marketing, processing, and prices.

12466 NOWELL, W. A review of the work of the experiment stations, Empire Cotton Growing Corporation, seasons 1939-40 to 1941-42. 30 p. London, 1943. 72.9 G79Rse

12467 PACIFIC SLOPE FEED COUNCIL. Brief outline of the Council activities to date [in relation to the feed supply]. 4 p., processed. San Francisco, 1943. 389.7 P11

12468 \*ROGOVA, I. V. Khimicheskaya tekhnologiya natural'nogo i iskusstvennogo shelka [Chemical technology of natural and artificial silk]. 355 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 304 R63

12469 SCHNEIDER, GEORG. Über die herstellung getrockneter fruchte in Californien. 70 p. Delft, Holland, Waltman, 1940. 389.3 Sch5

12470 \*SHUKHIN, M. M. Proizvodstvo rastitel'nykh dubil'nykh ekstraktov [Production of vegetable tanning extracts]. 207 p. Moskva, Gosudarstvennoe Izdatel'stvo Legkoi Promyshlennosti, 1940. 303 Sh9

12471 UNITED STATES BREWERS' ASSOCIATION. Memorandum re: Essentiality of hops...for submission to the Secretary of Agriculture. 25 p., processed. N. Y., 1943. 390.1 Un395

12472 \*USPENSKIY, A. A. Uboi i kratkovremennoe khraneniye bitoi ptitsy v glubinykh punktakh [Slaughter and short-time storage of poultry]. 26 p. Moskva, Pishchepromizdat, 1943. 47 Us6

12473 \*ZHUKOVSKIY, D. I., and TAMMAN, A. I. Uborka, khraneniye i sushka kartofeli [Harvesting, storage, and drying of potatoes]. 31 p. Moskva, Sel'khozgiz, 1943. 75 Z62

#### ANIMAL INDUSTRY

12474 AMERICAN DAIRY SCIENCE ASSOCIATION. DAIRY CATTLE BREEDING COMMITTEE. The organization and operation of artificial breeding associations, revised September 1943. Prepared by the Sub-Committee, S. J. Brownell, chairman. 31 p., processed. n. p., 1943. 43 Am34

12475 AMERICAN NATIONAL LIVE STOCK ASSOCIATION. Resolutions adopted at the forty-seventh annual convention held at Denver, Colorado, January 13-15, 1944. 15 p. Denver, 1944. 49.9 Am35

12476 FRANK, E. R. Veterinary surgery notes. Rev. ed., 257 p., processed. Minneapolis, Burgess, 1944. 41 F855

Ref. at end of some chapters.

12477 NEIVA, CICERO. Formulário de terapêutica veterinária. 307 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1943. 41 N31F

12478 \*PREVO, A. A. Ratsional'nye metody vyra-shchivaniia indiushat [Rational methods of raising turkeys]. 24 p. Moskva, Vsesoiuznyi Nauchno-issledovatel'skii Institut Ptitspromyshlennosti, 1943. 47.3 P92

12479 SMITH, ARTHUR. Grow your own eggs, or, Silage from your garden. 20 p. London, Poultry World, 1943. 60.7 Sm5

Silage; Three home made silos; Filling the silo; Rations for egg production.

12480 THOMAS, R. H., REAVES, P. M., and PEGRAM, C. W. Dairy farming in the South. 374 p. Danville, Ill., Interstate, 1944. 44 T362

12481 THOMPSON, ALAN. Feeding for eggs. 47 p. London, Faber, 1943. 47 T372

12482 \*ZUBRILIN, A. A. Silosovanie kormov [Ensilage of fodder]. 39 p. Moskva, Vsesoiuznyi Nauchno-issledovatel'skii Institut Kormov, 1943. 60.7 Z8

#### ENTOMOLOGY

12483 BAERG, W. J. Introduction to applied entomology. Ed. 2, 146 p. Minneapolis, Burgess, 1942. 423 B14



12484 \*EFIMOV, A. L. *Fumiganty i ikh primeneniye v praktike karantina rastenii* [Fumigators and their use in plant quarantine]. 70 p. Moskva, U. S. S. R. Tsentral'naiia Karantinnaia Laboratoriia, 1940.

423 Ef6F

12485 HORVÁTH, GÉZA, CHINA, W. E., and PARSHLEY, H. M., eds. *General catalogue of the Hemiptera... Fascicle IV: Fulgoroidea. Part 3: Araeopidae (Delphacidae)*, by Z. P. Metcalf. 552 p. Northampton, Mass., Smith Coll., 1943. 431 H78Gc

12486 HUFF, C. G. *A manual of medical parasitology*. 88 p. Chicago, Univ. Chicago Press, 1943.

448 H874

12487 MELLANBY, KENNETH. *Scabies*. 81 p. London, Oxford Univ. Press, 1943. (Oxford War Manuals; Lord Horder, Gen. Ed.) 434 M48

12488 TRUBY, A. E. *Memoir of Walter Reed. The yellow fever episode*. 239 p. New York, Hoeber, 1943. 120 R25T

Includes discussion of the role of *Aedes aegypti* and other mosquitoes in transmission.

12489 \*U. S. S. R. GLAVNOE UPRAVLENIE AGROTEKHNIKI I MEKHANIZATSII SEL'SKOGO KHOZIAISTVA. *Ukazaniia po bor'be s vrednoi cherepashkoi* [Information on the control of *Eurygaster integriceps* Put.]. 46 p. Moskva, Mankomzem SSSR, 1941. 431 Un3

#### FOOD AND HUMAN NUTRITION

12490 AUTHENTIC PUBLICATIONS COMPANY, NEW YORK. *The authentic victory cook book*, based largely on official data; tested recipes of delicious, point-saving dishes and a guide to home canning. 94 p. N.Y., 1943. 389.25 Au8

12491 BEROLZHEIMER, RUTH. *The American woman's meals without meat cook book*. 48 p. Chicago, Consolidated Book Pub., 1943. 389.25 B453A

12492 BLANCO, RAMÓN. *Los nuevos conocimientos sobre nutrición y la zootecnia*. Ed. 3, 82 p. Madrid, Ministerio de Agricultura, Sección de Publicaciones, Prensa y Propaganda, 1942. 389.7 B59

12493 BRADLEY, ALICE. *The Alice Bradley menu-cook-book; menus, marketing lists and recipes*. 944 p. N.Y., Macmillan, 1944. 389.25 B72A

12494 BROUGHTON, AVERELL. *Careers in public relations; the new profession*. 255 p. N. Y., Dutton, 1943. Ref. 238.2 B79

A chapter deals with public relations of the General Foods Corporation.

12495 DEWBERRY, E. B. *Food poisoning; its nature, history and causation; measures for its prevention and control*. 186 p. London, Hill, 1943. 448 D512

12496 EASTWOOD, HENRY. *Food and war gases, a detailed synopsis of methods of treatment of contaminated foodstuffs*. 28 p. London, Sanit. Pub. Co., Ltd., 1943. 389 Ea7

12497 EVAPORATED MILK ASSOCIATION. *Milk for better meals*. 7 p. Chicago, 1943. 389.25 Ev12

Recipes for using evaporated milk.

12498 FREDERICKS, CARLTON. *Lessons in living, a guide to sane eating and buoyant health*. 62 p. N. Y., 1943. 389.1 F87

12489 LLORENS, EMILIO. *El subconsumo de alimentos en América del Sur*. 262 p. Buenos Aires, Editorial Sudamericana, 1942. Ref., p. 249-250. 389 L773

12500 MORRIS, T. K. *Flight food; authentic guide for those who fly*. 32 p. Los Angeles, Jaffe, 1943. 389.1 M832

12501 NATIONAL COOPERATIVE PROJECT; CONSERVATION OF NUTRITIVE VALUE OF FOODS. *The carotene and ascorbic acid content of a number of Rhode Island fresh vegetables and fruits*. 2 p., processed. Kingston, 1943. 389.1 N2175C

12502 PEARSON, F. A., and PAARLBERG, DON. *Food*. 239 p. N.Y., Knopf, 1944. 389 P313F

12503 PRADO, ESTUARDO. *La dietética del lactante en Quito; trabajo presentado al tercer Congreso Médico Ecuatoriano*. 73 p. Quito, Instituto Nacional de Previsión, Departamento de Propaganda, 1942. 320 P88

12504 SILVA, B. E. DA. *A soja, sua importância na alimentação, seu emprego no pão*. 188 p. São Paulo, Secretaria da Agricultura, Indústria e Comércio, Diretoria de Publicidade Agrícola, 1941. 389.1 S132

12505 SWANSON, C. O. *Physical properties of dough*. 258 p., processed. Minneapolis, Burgess, 1943. Ref., p. 217-235. 389 Sw2

12506 WOMAN'S CLUB, WESTPORT, CONN. *The Connecticut cookbook, being a collection of recipes from Connecticut kitchens equally adapted for wartime and peacetime*. 261 p. Westport, 1943. 389.25 W846

#### FORESTRY

12507 KOPPERS PRODUCTS COMPANY. *Economical and permanent construction with pressure-treated wood*. 26 p. Pittsburgh, 1943. 99.76 K83

#### PLANT SCIENCE

12508 BAWDEN, F. C. *Plant viruses and virus diseases*. Ed. 2, rev., 294 p. Waltham, Mass., Chronica Botanica, 1943. (New Ser. of Plant Sci. Books, v. 13) 464.32 B32

Ref. at end of most chapters.

12509 \*BOGDAN, P. I. *Pshenitsy Kryma* [Wheat varieties of the Crimea]. 199 p. Moskva, "Sovetskaiia Nauka," 1941. 59.26 B63

12510 COPLEY, G. H. *Mushrooms and other choice crops*. 46 p. London, Crowther, 1942. 91.7 C79

The culture of mushrooms, rhubarb, seakale, chicory, and asparagus.

12511 CURTIS, C. C., and BAUSOR, S. C. *The complete guide to North American trees*. 337 p. N. Y., New Home Libr., 1943. 454 C94C

Parts of this guide were formerly published with title, *A Guide to the Trees*. 454 C94

12512 DRAYTON, JOHN. *The Carolinian florist of Governor John Drayton of South Carolina, 1766-1822*. With water-color illustrations from the author's original manuscript and an autobiographical introduction. Ed. by M. B. Meriwether. 133 p. Columbia, South Caroliniana Libr., Univ. S. C., 1943. 455.61 D79

12513 \*DROBYSHEVSKII, I. I. *Ocherk po kul'ture sakharnoi svekly v Kirgizii* [An outline of sugar beet cultivation in the Kirghiz Republic]. 23 p. Frunse, Komitet Nauk pri SNK Kirgizskoi SSR, 1941. 66 D83

12514 FREEMAN, M. B. *Herbs for the medieval household, for cooking, healing and divers uses*. 48 p. N. Y., Metrop. Mus. of Art, 1943. 452.82 F87

12515 GISVOLD, OLE, and ROGERS, C. H. *The chemistry of plant constituents*. Rev. ed., 484 p., processed. Minneapolis, Burgess, 1943. 463.2 G442

12516 \*GUSHCHIN, G. G. *Kak poluchit' vysokii urozha' risa* [How to obtain an abundant yield of rice]. 34 p. Alma-Ata, Kazgiz, 1942. 59.24 G97K

12517 GUYLAY, L. R. *Vegetable gardening for everyone*. 192 p. Cleveland, World Pub. Co., 1944. 91.15 G992

12518 IMPERIAL MYCOLOGICAL INSTITUTE. KEW. *Distribution maps of plant diseases*. Nos. 37-48. Kew, Surrey, England, 1943. 464.9 Im7



- 12519 LAWRENCE, W. J. C. The young gardener. 191 p. London, Allen, 1943. 90.4 L43  
A student's outline of horticulture.
- 12520 \*LINCHENKO, M. M. Osenniĭ posev ūarovoĭ pshenitsy v Kirgizskoi SSR [Autumn planting of spring wheat in the Kirghiz Republic], 28 p. Frunze, Komitet Nauk pri SNK Kirgizskoi SSR, 1941. 59.26 L63
- 12521 NATIONAL VICTORY GARDEN ADVISORY COMMITTEE. Report... with recommendations for 1944. 7 p., processed. Washington, 1943. 91.15 N214
- 12522 PIPER, C. S. Soil and plant analysis; a laboratory manual of methods for the examination of soils and the determination of the inorganic constituents of plants. 368 p. Adelaide, So. Austral. Univ. of Adelaide, 1942. (Monog. from the Waite Agr. Res. Inst.) 56.4 P66  
Ref. at end of most chapters.
- 12523 WALKER, E. F. World crops derived from the American Indians. 16 p. Los Angeles, Southwest Mus., 1943. (Southwest Mus. Leaflets No. 17) 453 W15
- 12524 \*ZONSHTEĬN, L. ĬA. Travoseĭanie na bogare v Kirgizii [Sowing dry land forage crops in the Kirghiz Republic], 21 p. Frunze, Chuĭskaiā Raitipografiiā Frunz. Oblmestproma Kirg. SSR, 1942. 60 Z7

## SOILS AND FERTILIZERS

- 12525 PICK, J. H. Australia's dying heart; soil erosion in the island. 90 p. Melbourne, Univ. Press, 1942. 56.7 P582

## MISCELLANEOUS

- 12526 CONOVER, H. F. The Balkans; a selected list of references. 5 v., processed. Washington, U. S. Libr. of Cong., Div. of Bibliog., 1943. 242.91 Un3B  
Includes references to agriculture.

- 12527 EVERSON, R. D. The Everson farm manual, for the busy man and woman everywhere interested in agricultural pursuits, a complete guide to farm and home management. 174 p. Huntington, Ind., Indiana Farmers Guide Pub. Co., 1944. 30.3 Ev2
- 12528 FULLER, G. H. Alaska: a selected list of recent references. 181 p., processed. Washington, U. S. Libr. of Cong., Div. of Bibliog., 1943. 242 Un3A  
Includes agriculture and colonization, and forests and forestry.
- 12529 FUTURE FARMERS OF AMERICA. Official manual for Future Farmers of America, the national organization of boys studying vocational agriculture. 94 p. Baltimore, French-Bray Print Co., 1943. 4 F98
- 12530 HARROW, BENJAMIN. Laboratory manual of biochemistry. Ed. 2, rev., 132 p. Phila., Saunders, 1944. 386.2 H242L  
Includes methods for analysis of lipids, proteins, enzymes, and milk.
- 12531 HELLMAN, F. S. The Japanese Empire: industries and transportation; a selected list of references. 55 p., processed. Washington, U. S. Libr. of Cong., Div. of Bibliog., 1943. 242.91 Un3J  
Includes references to agriculture.
- 12532 RIFKIN, LILLIAN. When I grow up I'll be a farmer. 44 p. N. Y., Lothrop, 1944. 145.7 R44  
Frederick Grover and Paul Sears, editors.
- 12533 WHALLEY, M. E. Abstracts on penicillin and other antibiotic substances. 71 p., processed. Ottawa, Natl. Res. Council of Canada, 1943. (N. R. C. No. 1160) 241.71 N214
- 12534 \*ZENKOVICH, F. I. Prirodnye usloviiā razvitiā zemledeliā Kazakhstana [Physical conditions for the agricultural development of Kazakhstan], 91 p. Almaty, Kazakhskoe Gosudarstvennoe Izd., 1940. 33.31 Z4



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 12535 ABRAMS, A. J. The Desmond Arboretum. Parks & Recreation 27: 30-23. Jan./Feb. 1944. 99.8 P23  
A new private tree and shrub arboretum being developed near Newburgh, N. Y., by Thomas C. Desmond.
- 12536 ANDERSON, A. W. Contraband! [Introduction of Cedar of Lebanon into Europe.] Gard. Chron. Amer. 48: 52. Feb. 1944. 80 G1632
- 12537 \*BALZLI, JEAN. Microbiologie et agriculture. Rev. Internat. du Soya 3: 15-16. Jan./Feb. 1943. 60.38 R32
- 12538 BATE, D. M. A. Pleistocene Cricetinas from Palestine. Ann. and Mag. Nat. Hist. 10: 813-838. Dec. 1943. 410 An77
- 12539 BELL, G. D. H. Crops and plant breeding. Roy. Agr. Soc. England Jour. 104: 8-17. Dec. 1943. 10 R81
- 12540 CAIN, S. A. Pollen analysis of some buried soils, Spartanburg County, South Carolina. Torrey Bot. Club Bul. 71: 11-22. Jan. 1944. 451 T63B
- 12541 CAMPBELL, W. I. P. Economic plants popular at Smith College. Parks & Recreation 27(1): 26-29. Jan./Feb. 1944. 99.8 P23
- 12542 CÁRDENAS, MARTÍN. Comentario sobre el capítulo: Substancias vegetales de la "Introducción a la historia natural de la provincia de Cochabamba" de Tadeo Haenke [1798]. Rev. de Agr. [Bolivia], 1: 21-30. July 1943. 102.5 C64
- 12543 DALLMAN, A. A. Local plant names. North West. Nat. 18: 212-213. Sept. 1943. 410 N81
- 12544 DOUGLASS, A. E. Notes on the technique of tree-ring analysis. IV-V. Practical instruments. Tree-Ring Bul. 10: 1-8, 9-16. July, Oct. 1943. 99.8 T713
- 12545 FITZPATRICK, H. M. The first twelve years of the Mycological Society of America. Mycologia 36: 1-17. Jan./Feb. 1944. 450 M99
- 12546 JACKSON, SETH. Sequoias in Montana. Amer. Forests 50: 68-69. Feb. 1944. 99.8 F762  
Petrified Sequoia forests found in the Gallatin and Absaroka National Forests, north of Yellowstone National Park and in the park itself.
- 12547 KOLKOWITZ, RICHARD. Biologische meer- und süßwasseruntersuchungen mit der schwarzen und weissen planktonkammer. Deut. Bot. Gesell. Ber. 61: 3-12. Feb. 25, 1943. 451 D48
- 12548 KRYSHTOPOVICH, A. The mode of preservation of plant fossils and its bearing upon the problem of coal formation. Amer. Jour. Sci. 242: 59-73. Feb. 1944. 470 Am34
- 12549 \*LACOSTE, A., and LACHAUD, R. DE. Préparation et utilisation d'un nouveau milieu de montage d'observation et de conservation des coupes histologiques avec ou sans lamelles. Bul. d'Histol. Appl. à la Physiol. et Path. et de Tech. Micros. 20: 159-160. Sept./Oct. 1943. 440.8 B87
- 12550 LEMMON, R. S. First out of bed; some earliest risers among the wildflowers. Home Gard. [N. Y.] 3(2): 49-51. Feb. 1944. 80 H756
- 12551 LEPAGE, ERNEST. Les lichens, les mousses et les hépatiques du Québec. (To be cont.) Nat. Canad. 70: 282-289. Nov./Dec. 1943. 410 N216
- 12552 \*MÜNCH, ERNST. Carl freiherr von Tübeuf. Forstwiss. Centbl. 64: 145-160. July 1, 1942. 99.8 F775  
List of his publications, p. 153-160.

- 12553 PINTO, E. H. The petrified forest. Wood 9: 12-14. Jan. 1944. 99.82 W855  
Located at Yellowstone National Park and in Chalcedony Park, Ariz.
- 12554 ROBBINS, W. J. An introduction to some great names and subjects in the history of botany and horticulture. Gard. Club Amer. Bul. 20(8th Ser.), p. 5-16. Feb. 1944. 90.36 G16
- 12555 SCHULMAN, EDMUND. Dendrochronology in Mexico, I. Tree-Ring Bul. 10: 17-24. Jan. 1944. 99.8 T713
- 12556 \*SHISHKIN, BORIS, and BRILLIANT, VARVARA. Kliment Arkadievich Timiriazev. Sovet. Bot. 1943, No. 4, p. 3-7. 450 So8  
On the occasion of the 100th anniversary of his birth.
- 12557 STARKEY, R. L., and WAKSMAN, S. A. Arthur Trautwein Henrici 1889-1943. Jour. Bact. 46: 489-490. Dec. 1943. 448.3 J82
- 12558 SVENSON, H. K. C. Stuart Gager (1873-1943). Ecology 25: 1-2. Jan. 1944. 410 Ec7
- 12559 \*ULLRICH, HERMANN. Ueber die bedeutung anastigmatischer beleuchtung für die polarisationsmikroskopie schwach doppelbrechender objekte. Ztschr. f. Wiss. Mikros. u. f. Mikros. Tech. 59: 8-11. June 1943. 440.8 Z3
- 12560 WARDLAW, C. W. Unification of botanical science. Nature [London] 153: 125-130. Jan. 29, 1944. 472 N21
- 12561 WICKERHAM, L. J. A simple technique for the determination of melibiose-fermenting yeasts. Jour. Bact. 46: 501-505. Dec. 1943. 448.3 J82
- 12562 WILLIS, J. H. Plant names sub-committee. First list of recommended new and changed vernaculars. Victorian Nat. 60: 125-126. Dec. 1943. 410 V66  
Pteridophyta.

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 12563 CROIZAT, LEON. The homonym question [in botanical nomenclature]. Madroño 7: 159-160. Jan. 1944. 450 M26
- 12564 HECKERTINGER, FRANZ. Das nomenklaturproblem in botanik und zoologie. Deut. Bot. Gesell. Ber. 61: 42-48. Mar. 25, 1943. 451 D48
- 12565 LAMSON, R. W., MCMICHAEL, H., and STICKLER, M. Potential pollinosis in a desert and in a coastal city. A comparative botanic survey of Barstow and Santa Ana, California. Jour. Allergy 15: 21-60. Jan. 1944. 448.8 J8236
- 12566 SNYDER, L. C. Wild flowers of South Dakota. VII. Miscellaneous families. N. and S. Dak. Hort. 17: 21, 32. Feb. 1944. 81 N217
- Spermatophytes
- 12567 BABCOCK, E. B., and STEBBINS, G. L., JR. Systematic studies in the Cichorieae. Calif. Univ. Pubs. Bot. 18: 227-240. Nov. 2, 1943. 500 C125B
- 12568 BAILEY, L. H. Certain Rubi of the occidental Tropics. 7-10. In his Gentes Herbarum 6: 323-364. Jan. 17, 1944. 450 B15  
7. Three Idaeaobati. 8. Rubus on Jamaica. 9. Rubus on Hispaniola. 10. Rubi of Panama.
- 12569 BAILEY, L. H. Species batorum. The genus Rubus in North America. VII. In his Gentes Herbarum 5: 463-503. Feb. 1944. 450 B15
- 12570 BARKLEY, F. A. Noteworthy plants of Texas. II. A new species of Peltandra [P. therpifil]. Madroño 7: 131-133. Jan. 1944. 450 M26
- 12571 BEETLE, A. A. A new name in Scirpus [S. orbicephala]. Madroño 7: 160. Jan. 1944. 450 M26



- 12572 BEETLE, D. E. A monograph of the North American species of *Fritillaria*. *Madroño* 7: 133-159. Jan. 1944. 450 M26
- 12573 \*BELVAL, H. Sur les fructosanes du genre *Allium*. *Soc. de Chim. Biol. Bul.* 25: 64-67. Jan./Mar. 1943. 383 Sol
- Attempt to identify closely related species of *Allium* by their chemical content.
- 12574 BILLINGTON, CECIL. Shrubs of Michigan. *Cranbrook Inst. Sci. Bul.* 20, 249 p. Bloomfield Hills, Mich., 1943. Ref., p. 239-241. 410.9 C85B
- 12575 BOYLE, W. S. Cytological evidence for the taxonomic position of *Schizachne purpurascens*. *Madroño* 7: 129-130. Jan. 1944. 450 M26
- 12576 BROWN, J. R. Notes on *Haworthias*. (Cont.) *Cactus and Succulent Jour.* 16: 3-4. Jan. 1944. 451 C11
- 12577 CLAUSEN, R. T. A description and name for *Sedum XYZ* [*S. leibergii* var. *borschii*]. *Cactus and Succulent Jour.* 16: 7-8. Jan. 1944. 451 C11
- 12578 CROIZAT, LEON. Notes on *Pilocereus*, *Monvillea* and *Malacocarpus* with special reference to Colombian and Venezuelan species. *Caldasia*, No. 8, p. 251-260. Sept. 20, 1943. 516 C12
- 12579 CROIZAT, LEON. A study of the genus *Lophophora* Coulter II. *Desert Plant Life* 15: 152-154. Dec. 1943. 450 D45
- 12580 CROSS, D. O. Rough-bearded grasses. (*Echinopogon* spp.) A key to their identification. *Agr. Gaz. N. S. Wales* 54: 554-558. Dec. 1, 1943. 23 M472
- Poisonous to livestock.
- 12581 CUATRECASAS, JOSE. Estudios sobre plantas andinas. *Caldasia*, No. 8, p. 209-240. Sept. 20, 1943. 516 C12
- Many new species and varieties of *Diplostegium*.
- 12582 DALLMAN, A. A. *Heracleum mantegazzianum* Som. et Lev. in Cheshire. *North West. Nat.* 18: 216-217. Sept. 1943. 410 N81
- 12583 DUGAND, ARMAND. Noticias botánicas colombianas. II. Especies nuevas y críticas. *Caldasia*, No. 8, p. 285-299. Sept. 20, 1943. 516 C12
- New species: *Orbignya cuatrecasana*, *Trichilia laemellulata*, *Pseudobombax subandinum*.
- 12584 DUGAND, ARMAND. Nuevas nociones sobre el genero *Ficus* en Colombia. *Caldasia*, No. 8, p. 265-283. Sept. 20, 1943. 516 C12
- New species: *Ficus cirroana*, *F. fresnoensis*, *F. ocoana*.
- 12585 DUNCAN, W. H. A new species of *Baptisia*. [*B. arachnifera*]. *Rhodora* 46: 29-31. Feb. 1944. 450 R34
- 12586 FERNALD, M. L. Overlooked species, transfers and novelties in the flora of eastern North America. (Cont.) *Rhodora* 46: 32-57. Feb. 1944. 450 R34
- 12587 FERNALD, M. L. *Setaria faberii* in eastern America. *Rhodora* 46: 57-58. Feb. 1944. 450 R34
- 12588 FERNALD, M. L. The so-called keeled garlic of eastern Pennsylvania. *Rhodora* 46: 59-60. Feb. 1944. 450 R34
- Allium oleraceum* erroneously identified as *A. carinatum*.
- 12589 \*GOMES E SOUSA, A. DE F. O café de Inhambane. *Moçambique Doc. Trimest.* 9(33): 5-49. Mar. 1943. 110 M71
- Mainly a systematic study.
- 12590 HARTMAN, B. *Galinsoga parviflora* Cav. in South Lancashire. *North West. Nat.* 18: 217-219. Sept. 1943. 410 N81
- Comment by Harry Britten and A. A. Dallman.
- 12591 HAWKES, A. D. *Epidendrum tampense* at home [in Florida]. *Amer. Orchid Soc. Bul.* 12: 311-312. Feb. 3, 1944. 80 Am329
- 12592 JOB DE FRANCIS, M. M. Une nueva especie argentina de *Berberis* [*B. pseudo-spinulosa*]. *La Plata Mus. Notas* 8 (Bot. 41): 127-133. June 3, 1943. 451 L31
- 12593 JONES, E. W. The oaks in Britain. *North West. Nat.* 18: 213-214. Sept. 1943. 410 N81
- Problems concerning the distribution of *Quercus robur* and *Q. petraea*.
- 12594 MONACHINO, JOSEPH. A revision of *Couma* and *Parahancornia* (Apocynaceae). *Lloydia* 6: 229-247. Dec. 1943. Ref., p. 244-247. 442.8 L77
- 12595 FARODI, L. R. Una nueva especie de "*Sorghum*" [*S. alnum*] cultivada en la Argentina. *Rev. Argentina de Agron.* 10: 361-372. Dec. 1943. 9 R327
- 12596 RAYMOND, MARCEL. Quelques progrès récents dans la connaissance des *Carex* du Quebec. *Nat. Canad.* 70: 259-278. Nov./Dec. 1943. 410 N216
- 12597 RAYNER, R. W. Simple botany applied to the coffee bush. (To be cont.) *Coffee Bd. Kenya.*
- 12598 SALTER, T. M. Some notes on *Oxalis meisneri* Sond. and *Oxalis cana* Sond. *Jour. So. African Bot.* 9: 161-163. Oct. 1943. 450 J8262
- 12599 SCHULTES, R. E. Plantae colombianae, V. Species nova generis *Herrania*. *Caldasia*, No. 8, p. 261-264. Sept. 20, 1943. 516 C12
- Herrania umbratica* n. sp.
- 12600 SCHWEINFURTH, CHARLES. A new *Zygopetalum* from South America. *Amer. Orchid Soc. Bul.* 12: 314-316. Feb. 3, 1944. 80 Am329
- Z. acuminatum*, n. sp.
- 12601 SCHWEINFURTH, CHARLES. Notes on tropical American orchids. *Harvard Univ. Bot. Mus. Leaflets* 11: 173-200. Feb. 7, 1944. 451 H262
- 12602 SHINNERS, L. H. *Aster acadiensis* nom. nov. *Rhodora* 46: 31. Feb. 1944. 450 R34
- 12603 SWALLEN, J. R., and GARCIA-BARRIGA, H. Five new grasses from Colombia. *Caldasia*, No. 8, p. 301-306. Sept. 20, 1944. 516 C12
- New species: *Sporobolus bogotensis*, *Calamagrostis boyacensis*, *Agrostis boyacensis*, and *Panicum albi-*
- 12604 URIBE URIBE, LORENZO. Nuevas especies colombianas del genero *Inga*. *Caldasia*, No. 8, p. 241-250. Sept. 20, 1944. 516 C12
- Four new species.
- 12605 VARGAS C., CESAR. Nuevas especies de papas silvestres del Perú. *Rev. Argentina de Agron.* 10: 396-398. Dec. 1943. 9 R327
- New species: *Solanum buesii*, *S. lignicaule*, and *S. santolallae*.
- 12606 WILLIAMS, LOUIS, and WILLIAMS, HUA. An unusual habitat for orchids [near Belo Horizonte, Minas Gerais, Brazil]. *Amer. Orchid. Soc. Bul.* 12: 291. Feb. 3, 1944. 80 Am329
- 12607 WOOD, C. W. Some southwestern natives. *Amer. Nurseryman* 79(3): 34-37; (4): 32-35. Feb. 1, 15, 1944. 80 Am371
- 12608 ZUGURMA, J. *Boscia senegalensis* - Lam. *Farm and Forest* 4: 197-198. Dec. 1943. 24 F226
- Pteridophytes
- 12609 MAXON, W. R. Three new species of *Alsophila* from Colombia and British Honduras. *Wash. Acad. Sci. Jour.* 34: 46-49. Feb. 15, 1944. 500 W276J
- New species: *A. haughtii*, *A. parva*, and *A. ursina*.
- Bryophytes
- 12610 ANDREWS, A. L. Taxonomic notes. III. Further synonyms of *Hymenostylium curvirostrum*. *Bryologist* 46: 131-135. Dec. 1943. 450 B84
- 12611 DIXON, H. N. Note on *Fissidens japonicus*. *Bryologist* 46: 128-131. Dec. 1943. 450 B84
- 12612 FRYE, T. C., and FERGUSON, ELIZABETH. *Pogonatum liebmannianum*. *Bryologist* 46: 141-146. Dec. 1943. 450 B84



- 12613 LITTLE, E. L., JR. Later generic homonyms among North American mosses. *Bryologist* 46: 105-125. Dec. 1943. Ref., p. 124-125. 450 B84  
 12614 PATTERSON, P. M. Additional mosses from Mountain Lake, Virginia. *Bryologist* 46: 126-128. Dec. 1943. 450 B84  
 12615 WYNNE, F. E. Range extensions of mosses in western North America. *Bryologist* 46: 149-155. Dec. 1943. 450 B84

Algae

- 12616 \*GEITLER, LOTHAR. Morphologie, Entwicklungsgeschichte und systematik neuer bemerkenswerte atmosphärischer algen aus Wien. *Flora [Jena]* 36: 1-29. Oct. 20, 1942. 450 F66  
 New genera: *Chlorokybus* and *Diaphragmia*; new species: *Pleurochloris nanella*, *Gloeobotrys arboreum*.  
 12617 NIELSEN, J. E. Meet the diatom! *Turtos News* 22: 40-43. Feb. 1944. 442.8 T86  
 12618 SCHMIDT, PAUL. Ueber eine neue, frei wachsende chaetophoraceae in der helgoländer algenflora. *Deut. Bot. Gesell. Ber.* 61: 28-36. Feb. 25, 1943. 451 D48  
 12619 SMITH, P. G. Algal epiphytes at Aberystwyth. *North West Nat.* 18: 221-223. Sept. 1943. 410 N81

Fungi (Including Lichens)

- 12620 BISBY, G. R. *Stachybotrys*. *Brit. Mycol. Soc. Trans.* 26: 133-143. Dec. 31, 1943. 451 B76  
 12621 BURLINGHAM, G. S. Studies in North American *Russulae*. *Mycologia* 36: 104-120. Jan./Feb. 1944. 450 M99  
*Russula vesicatoris* n. sp.  
 12622 DALLMAN, A. A. *Puccinia secalina* Grove [on *Lycopsis arvensis*]. *North West Nat.* 18: 223-224. Sept. 1943. 410 N81  
 12623 GARRETT, S. D., and DENNIS, R. W. G. Note on the occurrence of *Ophiobolus graminis* Sacc. var. *avenae* E. M. Turner [on oats] in Scotland in 1942. *Brit. Mycol. Soc. Trans.* 26: 146-147. Dec. 31, 1943. 451 L76  
 12624 HICKMAN, C. J., and ASHWORTH, DOROTHY. The occurrence of *Botrytis* spp. on onion leaves with special reference to *B. squamosa*. *Brit. Mycol. Soc. Trans.* 26: 153-157. Dec. 31, 1943. 451 B76  
 12625 HIRSCHHORN, ELISA. Dos nuevas ustilaginaceas de la flora argentina. *La Plata Mus. Notas* 8 (Bot. 43): 167-177. Aug. 7, 1943. 451 L31  
 12626 INGOLD, C. T. Further observations on aquatic hyphomycetes of decaying leaves. *Brit. Mycol. Soc. Trans.* 26: 104-115. Dec. 31, 1943. 451 B76  
*Dendrospora erecta* n. g., n. sp., *Piricularia aquatica* n. sp., *Tricladium anomalum* n. sp.  
 12627 INGOLD, C. T. *Triscelophorus monosporus* n. gen., n. sp., an aquatic hyphomycete. *Brit. Mycol. Soc. Trans.* 26: 148-152. Dec. 31, 1943. 451 B76  
 12628 KARLING, J. S. *Phagomyxa algerum* n. gen., n. sp., an unusual parasite with plasmodiophoralean and proteomyxean characteristics. *Amer. Jour. Bot.* 31: 38-52. Jan. 1944. 450 Am36  
 12629 KERN, F. D., and THURSTON, H. W., JR. Additions to the Uredinales of Venezuela--III. *Mycologia* 36: 54-64. Jan./Feb. 1944. 450 M99  
 12630 LINDQUIST, J. C. Uredineas nuevas o criticas. *La Plata Mus. Notas* 8 (Bot. 42): 135-140. July 15, 1943. 451 L31  
 New species in *Uromyces* and *Puccinia*.  
 12631 MUNDKUR, B. B. *Tilletia tumefaciens*, a remarkable gall-forming smut from India. *Phytopathology* 34: 143-146. Jan. 1944. 464.8 P56  
 Rediscovery of this species on *Panicum antidotale*.  
 12632 MURRILL, W. A. A few corrections. *Mycologia* 36: 121. Jan./Feb. 1944. 450 M99  
 In the synonymy of some of the *Agaricaceae*.

- 12633 NEWHALL, A. G. A serious storage rot of celery caused by the fungus *Anasospore macrospora* n. gen. *Phytopathology* 34: 92-105. Jan. 1944. 464.8 P56

- 12634 ORTON, C. R. Graminicolous species of *Phyllachora* in North America. *Mycologia* 36: 18-53. Jan./Feb. 1944. 450 M99  
 12635 PRESTON, N. C. Observations on the genus *Myrothecium* Tode. *Brit. Mycol. Soc. Trans.* 26: 158-168. Dec. 31, 1943. 451 B76  
 12636 ROGERS, D. P. The genera *Trechispora* and *Galzinia* (Thelephoraceae). *Mycologia* 36: 70-103. Jan./Feb. 1944. 450 M99  
 12637 SINGER, ROLF. Notes on taxonomy and nomenclature of the polypores. *Mycologia* 36: 65-69. Jan./Feb. 1944. 450 M99  
*Osmoporus* n. g.  
 12638 SIFE, F. P. Lichens of Crater Lake National Park [Oregon]. *Bryologist* 46: 135-138. Dec. 1943. 450 B84  
 12639 SMITH, A. H., and HESLER, L. R. New and interesting *Agarics* from Tennessee and North Carolina. *Lloydia* 6: 248-266. Dec. 1943. 442.8 L77  
*Cantherellus purpurascens* n. sp., and new species in *Clitocybe* and *Cortinarius*.

PLANT PATHOLOGYGeneral

- 12640 ALVARADO, J. A. Las lluvias y su relación con la caída del fruto maduro. *Café de El Salvador* 13: 277-282. Dec. 1943. 68.28 C112  
 Effect of rain on mature coffee berries.  
 12641 BOYLE, L. W. Poor storage accentuating potato rot in Oregon. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 711, processed. Dec. 15, 1943. 1.9 P69P  
 12642 \*BRANAS, J., BERNON, G., and LEVADOUX, L. Court-noué et Phylloxéra. *Prog. Agr. et Vitic.* 60: 216-218. Nov. 21/28, 1943. 14 P94  
 12643 CARNEVALE, J. A. El cuidado de los frutales. X. Dos remedios eficaces y su preparación. *Pampa Argentina* 17(196): 8. Dec. 1943. 9 P19  
 12644 CASS SMITH, W. P. Vegetable seed treatments. *West. Austral. Dept. Agr. Jour.* 20: 210-216. Sept. 1943. 23 W52J  
 12645 CASSELL, R. C. Potato storage diseases in central Maine. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 710-711, processed. Dec. 15, 1943. 1.9 P69P  
 12646 CHESTER, K. S. Destructive diseases in an Oklahoma spinach-growing area. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 708-710, processed. Dec. 15, 1943. 1.9 P69P  
 12647 CHUPP, CHARLES. The tomato plant bed [disease control]. [N. Y.] *Cayuga Co. Farm & Home Bur. News* 30(2): 11. Feb. 1944. 275.293 N. Y., Cayuga Co.  
 12648 CREAGER, D. B. Report of gladiolus diseases control studies. *Illinois Natural History Survey. Gladiolus [New England Gladiolus Soc.]* (1944) 19: 112-125. 96.43 N44  
 12649 DAINES, R. H. Effects of storage conditions, maturity, and bruising on keeping qualities of stored sweet potatoes. *N. J. Agr. Expt. Sta. Plant Dis. Notes* 21: 9-12. June 1943 (Issued Jan. 1944). 464.9 N46P  
 12650 DAINES, R. H. Lime in the post-arsenical sprays as a means of reducing arsenical injury to peaches. *N. J. Agr. Expt. Sta. Plant Dis. Notes* 21: 13-16. July 1943 (Issued Jan. 1944). 464.9 N46P  
 12651 DAVIDSON, R. W., and CAMPBELL, W. A. Observations on a gall of sugar maple. *Phytopathology* 34: 132-135. Jan. 1944. 464.8 P56



- 12652 DIMOND, A. E., and HORSFALL, J. G. Synergism as a tool in the conservation of fungicides. *Phytopathology* 34: 136-139. Jan. 1944. 464.8 P56
- 12653 FOSTER, W. R. Keep a healthy Victory garden. *Country Life* [Brit. Columbia] 28(2): 20. Feb. 1944. 7 C832
- Control of pests and diseases.
- 12654 HAGGE, A. H. Barberry eradication in Iowa. *Iowa Yearbook Agr.* (1942) 43: 243-247. 1943. 2 I09R
- 12655 HAWKER, L. E. Notes on basal rot of narcissus. *Ann. Appl. Biol.* 30: 323-326. Dec. 1943. 442.8 An72
- I. A comparison of various methods of using formalin in connection with the hot-water treatment against eelworm. II. Infection of bulbs through dying roots in summer [caused by *Fusarium bulbigenum*].
- 12656 \*HELM, ALFRED. Pflanzenschutzliche beobachtungen in Nordfrankreich. *Kranke Pflanze* 19: 108-109. Nov./Dec. 1942. 464.8 K86
- 12657 HOPPE, P. E. Gladiolus seed treatment. *Gladiolus* [New England Gladiolus Soc.] (1944) 19: 126-127. 96.43 N44
- 12658 KEIWER, VALENTIN. Polisulfuro de calcio. *Corp. Fruticola Argentina Rev. Ofic.* 9(107): 27-28. Nov. 30, 1943. 83 C81
- 12659 KLAGES, AUGUST. Bekämpfung von getreidekrankheiten durch chemische mittel. *Chemie* 56: 285-287. Oct. 16, 1943. 384 Z33
- 12660 \*KUHNHOLTZ-LORDAT, G. Le "noir" du tournesol. *Prog. Agr. et Vitic.* 60: 46-48. Aug. 8/15, 1943. 14 P94
- 12661 LECLERC, E. L. Non-virus leafroll of Irish potatoes. *Amer. Potato Jour.* 21: 5-13. Jan. 1944. 75.8 P842
- 12662 \*LECONTE, PIERRE. Les premières stations françaises de désinfection de semences. *Génie Rural*, Année 36, Apr. 1943, p. 7. 58.8 Au8
- 12663 MATTOON, W. R. Three ways to cure sick shade trees. *Prog. Farmer, Car.-Va. Ed.* 59(3): 53. Mar. 1944. 6 P945
- 12664 OOSTING, H. J. The comparative effect of surface and crown fire on the composition of a loblolly pine community. *Ecology* 25: 61-69. Jan. 1944. 410 Ec7
- 12665 PINCKARD, J. A. Sprays, dusts, and resistant varieties, for vegetable diseases in the home gardens. *Miss. Farm Res.* 7: 1-3. Jan. 1944. 100 M69M1
- 12666 POMERLEAU, RENÉ. L'insolation de l'érabable. *Forêt Québécoise* 7: 141. Mar. 1944. 99.8 F79
- 12667 PRYOR, D. E. The big vein disease of lettuce in relation to soil moisture. *Jour. Agr. Res.* 68: 1-9. Jan. 1, 1944. 1 Ag84J
- A soil-borne disease, causal agent undetermined.
- 12668 REID, W. D. Resistance of beans against bacterial-wilt, anthracnose, and bean-mosaic. *New Zeal. Jour. Agr.* 67: 411-412. Dec. 15, 1943. 23 N48J
- 12669 \*SCHMIDT, HERTA. Die samenbeizung, ein weg zur leistungsteigerung im gemüsebau. *Kranke Pflanze* 20: 19-22. Mar./Apr. 1943. 464.8 K86
- 12670 STEVENSON, E. C. Diseases of drug and related plants at the Plant Industry Station, Beltsville, Maryland in 1943. *U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr.* 27: 700-703; processed. Dec. 15, 1943. 1.9 P69P
- 12671 \*STÖRMER. Krankheitsercheinungen an kartoffeln im anbaujahr 1943. *Mitt. f. die Landw.* 58: 745. Sept. 11, 1943. 18 P48M
- 12672 TISDALE, W. H. "Fermate" - a promising fungicide. *Va. Fruit* 32: 36-40. Jan. 1944. 81 V81B
- 12673 TURNER, C. N. Custom potato spraying in New York aids the war. *Amer. Potato Jour.* 21: 17-20. Jan. 1944. 75.8 P842
- 12674 WAIN, R. L., and WILKINSON, W. H. Studies upon the copper fungicides. VI. The solution of copper from Bordeaux and Burgundy mixtures. *Ann. Appl. Biol.* 30: 379-391. Dec. 1943. 442.8 An72
- 12675 WESTCOTT, CYNTHIA. Are your house plants healthy? *Home Gard. N. Y.* 3(2): 92-94. Feb. 1944. 80 H756
- 12676 WESTERN, J. H., and STEWART, R. The effect of a chemical soil sterilizing agent on the subsequent development of tomato plants. *Ann. Appl. Biol.* 30: 370-372. Dec. 1943. 442.8 An72
- Orthodichlorobenzene.
- 12677 WESTON, W. A. R. D., and TAYLOR, R. E. An abnormal growth on mushrooms. *Brit. Mycol. Soc. Trans.* 26: 144-145. Dec. 31, 1943. 451 B76
- 12678 WESTON, W. A. R. D. Diseases of corn crops. *Agriculture* (Jour. Min. Agr. Gt. Brit.) 50: 496-499. Feb. 1944. 10 G79J
- Barley, wheat, and oats.
- 12679 WILLE, J. E., and RADA, G. G. Pestes y enfermedades que afectan al arroz. *Vida Agr.* 20: 751-754. Oct. 1943. 9.8 V66
- Contents: Insectos que atacan al arroz. La "Mancha Carmelita" o Helminthosporiosis del arroz.
- Diseases Caused by Fungi
- 12680 \*ALABOUVETTE, L. La lutte contre les charbons et la carie des céréales. *Prog. Agr. et Vitic.* 60: 45-46. Aug. 8/15, 1943. 14 P94
- 12681 ANDERSON, P. J. Control of tobacco mildew in 1944. *New England Homestead* 117(3): 14-15. Feb. 15, 1944. 6 N442
- 12682 ATKINS, I. M. Diseases of small grains in north central and west Texas in 1943. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 703-704; processed. Dec. 15, 1943. 1.9 P69P
- 12683 \*BENILLOCH, MIGUEL. La escasez de cobre y los tratamientos anticriptogámicos. *Surco* [Madrid] 1(3): 20-21. May 1942. 15 Su7
- 12684 BERKELEY, G. H. Root-rots of certain non-cereal crops. *Bot. Rev.* 10: 67-123. Feb. 1944. *Ref. p.* 110-123. 450 B6527
- 12685 BLACKFORD, F. W. Four major diseases of citrus. *Queensland Agr. Jour.* 87: 353-358. Dec. 1943. 23 Q33
- Black spot, melanose, scab, and brown spot.
- 12686 BLODGETT, F. M. Results of potato spraying for late blight control in New York State. *Iowa Yearbook Agr.* (1942) 43: 208-214. 1943. 2 I09R
- 12687 \*BOSC, MARCEL. Recherches sur les seuils de toxicité de solutions de sulfate de cuivre et de quelques substances anticryptogamiques vis-à-vis du mildiou de la vigne. *Prog. Agr. et Vitic.* 60: 54-56. Feb. 7/14, 1943. 14 P94
- 12688 \*BRANAS, J. La lutte contre l'oïdium en 1943. *Prog. Agr. et Vitic.* 60: 15-19. Jan. 10/17, 1943. 14 P94
- Powdery mildew of grape.
- 12689 \*BRANAS, J. La lutte contre les maladies cryptogamiques. *Prog. Agr. et Vitic.* 60: 213-216. Nov. 21/28, 1943. 14 P94
- Control of fungus diseases of grape.
- 12690 \*CARRIÈRE, ÉMILE. Action des bouillies anticryptogamiques. Propriétés des bouillies cuivreuses, cuivreuses et aluminiques. *Prog. Agr. et Vitic.* 60: 213-215. June 27, 1943. 14 P94
- 12691 \*CARRIÈRE, ÉMILE. Recherches sur les bouillies anticryptogamiques. Formules nouvelles de bouillies. *Prog. Agr. et Vitic.* 60: 139-142. May 2/9, 1943. 14 P94



12692 CHOUSSY, FÉLIX. Sobre una enfermedad de origen fungoso en los magueyales de Oriente. *Café de El Salvador* 13: 267-269. Dec. 1943. 68.28 C112  
Apparently caused by *Diplodia*.

12693 CROSS, W. E. Declaración referente al "carbon" de la cana de azúcar. Tucumán Estac. Agr. Cir. 120, 4 p. Tucumán, 1943. 102.5 T79

12694 DAINES, R. H. A bud canker and twig blight affecting peach trees, caused by a *Fusicoccum* species and a *Valsa* species. *N. J. Agr. Expt. Sta. Plant Dis. Notes* 21: 21-24, processed. Sept. 1943 (Issued Jan. 1944). 464.9 N46P

12695 FELT, E. P. The Dutch elm disease problem. *Parks & Recreation* 27: 16-18. Jan./Feb. 1944. 99.8 F23

12696 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Dry rot of potatoes. *Gt. Brit. Min. Agr. and Fisheries Advisory Leaflet* 218, 4 p. London, 1944. 10 G79La

12697 GROVES, A. B. Controlling cedar rust [of apple] with fungicides. *Va. Fruit* 32: 33-36. Jan. 1944. 81 V81B

12698 HAENSELER, C. M. Sweet corn smut control with dusts. *N. J. Agr. Expt. Sta. Plant Dis. Notes* 21: 17-20. Aug. 1943. (Issued Jan. 1944). 464.9 N46P

12699 HARDISON, J. R. Specialization of pathogenicity in *Erysiphe graminis* on wild and cultivated grasses. *Phytopathology* 34: 1-20. Jan. 1944. Ref., p. 19-20. 464.8 P56

12700 HAWKER, L. E., and SINGH, B. A disease of lilies caused by *Fusarium bulbigenum* Cooke and Mass. *Brit. Mycol. Soc.* 26: 116-126. Dec. 31, 1943. 451 B76

12701 HEPTING, G. H., and DOWNS, A. A. Root and butt rot in planted white pine at Biltmore, North Carolina. *Jour. Forestry* 42: 119-123. Feb. 1944. 99.8 F768

The rots were caused mostly by *Fomes annosus*, with a small percentage caused by *Polyporus circinatus* and *P. schweinitzii*.

12702 HUMPHREY, H. B., and DUFRENOY, JEAN. Host-parasite relationship between the oat plant (*Avena* spp.) and crown rust (*Puccinia coronata*). *Phytopathology* 34: 21-40. Jan. 1944. Ref., p. 39-40. 464.8 P56

12703 JACKSON, S. N. Almond sprays [for shot hole and brown rot control]. *Calif. Cult.* 91: 68. Feb. 5, 1944. 6 C12

12704 JAUCH, CLOTILDE. La presencia de "Cylindrocladium scoparium" en la Argentina. *Rev. Argentina de Agron.* 10: 355-360. Dec. 1943. 9 R327  
Found on Eucalyptus, maté, plum, and rose.

12705 JOHNSON, WALLACE. Controlling smut on grain. *N. Mex. Ext. News* 24(1): 7. Jan. 1944. 275.29 N463EX

12706 JOHNSTON, F. S. Warning sounded against losses from citrus decay [blue mold]. *Citrus Mag.* 6(8): 7. Feb. 1944. 80 C498

12707 KOTTHOFF, PETER. Der rote brenner [*Stagonospora curtisii*] der Amaryllis. *Kranke Pflanze* 19: 106-107. Nov./Dec. 1942. 464.8 K86

12708 KUHNHOLTZ-LORDAT, G. La cladosporiose des capitules de tournesol. *Prog. Agr. et Vitic.* 60: 216. June 27, 1943. 14 P94  
*Cladosporium herbarum*.

12709 KUHNHOLTZ-LORDAT, G. La maladie à sclérotides des légumineuses maraichères. *Sclerotinia libertiana* Fuckel (Mai-Juin 1943). *Prog. Agr. et Vitic.* 60: 200. June 13/20, 1943. 14 P94

12710 LEON, ARTURO DE. El black-rot. *Vinos, Viñas y Frutas* 39: 176. Oct. 1943. 9 Ag89  
*Guignardia bidwelli* on grape.

12711 LEUKEL, R. W. Spergon, Arasan, and Merc-O-Dust ineffective for the control of oat smut. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 704-706, processed. Dec. 15, 1943. 1.9 P69P

12712 LIVINGSTON, J. E., and KNEEN, ERIC. A ragdoll technique for the inoculation of wheat with bunt (*Tilletia levis*). *Phytopathology* 34: 124-128. Jan. 1944. 464.8 P56

12713 LYON, A. V. Characteristics of black spot [anthracnose of grape]. *Austral. Dried Fruit News* 20(4): 9. Dec. 1943. 286.83 Au72

12714 MUJICA R., FERNANDO. La septoriososis del apio en Chile. *Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg.* 2: 140-143. July/Dec. 1942. 464.9 Q32B

12715 PARKER-RHODES, A. F. Studies in the mechanism of fungicidal action. *VI Water. Ann. Appl. Biol.* 30: 372-379. Dec. 1943. 442.8 An72

12716 \*PICHLER, FRIEDRICH. Zur frage der schneeschemmelbekämpfung. *Mitt. f. die Landw.* 58: 726-727. Sept. 4, 1943. 18 D48M

12717 REID, R. D. Strawberry red core disease. A progress report. *Fruit Grower, Fruiterer, Florist & Market Gard.* 97: 9, 29-30. Jan. 6, 13, 1944. 80 F941

Development of varieties resistant to *Phytophthora fragariae*.

12718 \*RICHTER, B. Der einfluss des stengelbrenners (*Colletotrichum trifolii*) auf den wuchs und ertrag der serradella. *Kranke Pflanze* 19: 101-105. Nov./Dec. 1942. 464.8 K86

12719 ROBERTS, F. M. Factors influencing infection of the tomato by *Verticillium albo-atrum*. *Ann. Appl. Biol.* 30: 327-331. Dec. 1943. 442.8 An72

12720 \*ROSELLA, ET. A propos de l'apoplexie des tomates. *Prog. Agr. et Vitic.* 60: 25. Jan. 10/17, 1943. 14 F94

Due to *Ascochyta hortorum* and *Vermicularia varians*, combined with weather conditions.

12721 SPRAGUE, RODERICK. *Phoma terrestris* on Gramineae in the northern Great Plains. *Phytopathology* 34: 129-131. Jan. 1944. 464.8 P56

12722 STEVENS, N. E. Cranberry false blossom in relation to flooding water. *Phytopathology* 34: 140-142. Jan. 1944. 464.8 P56

12723 TILSON, C. Y. Guard against blue mold in tobacco. *Farmers Fed. News* 24(6): 20-21. Feb. 1944. 280.28 F225

12724 VOLZ, E. C. Blackspot resistance and susceptibility [of roses] at Iowa State College. *Amer. Rose Mag.* 5: 144. Jan./Feb. 1944. 80 Am327A

12725 \*WAGNER, H. Die hauptsächlichsten holzerstörer und ihre bekämpfung. *Mitt. f. die Landw.* 58: 841-842. Oct. 9, 1943. 18 D48M

12726 WEBER, G. F. Needle rusts of pine trees in Florida caused by *Coleosporium* species. *Fla. Acad. Sci. Proc.* 6: 131-142. Dec. 1943. 500 F66

12727 WESTCOTT, CYNTHIA. Damping-off [of vegetable seedlings] and how to prevent it. *Home Gard. [N. Y.]* 3(2): 22-23. Feb. 1944. 80 H756

12728 WILKINS, W. H. Studies in the genus *Ustulina* with special reference to parasitism. VI. A brief account of heart rot of beech (*Fagus sylvatica* L.) caused by *Ustulina*. *Brit. Mycol. Soc. Trans.* 26: 169-170. Dec. 31, 1943. 451 B76

12729 WINSTON, J. R., and MECKSTROTH, G. R. Decay control in Florida lemons. *Citrus Indus.* 25(2): 6-7, 10, 18-19, 22. Feb. 1944. 80 C49

Stem-end rot caused by *Phomopsis citri* and *Diplodia natalensis*.



12730 \*ZILLIG, HERMANN. Mèasures pour economiser le cuivre dans la lutte contre le mildiou de la vigne. *Prog. Agr. et Vitic.* 60: 189-191, 201-203. June 6, 13/20, 1943. 14 P94

#### Diseases Caused by Bacteria

12731 FERNOW, K. H. Potato ring rot control for those who think they don't have the disease. *Amer. Potato Jour.* 21: 14-17. Jan. 1944. 75.8 P842

12732 HOFFMASTER, D. E. Canker threatens cowpeas! Growing bacterial disease [Bacterium vignae], can cause 50 per cent crop loss by stunting plants, reducing seed yields; some resistant varieties. *South. Seedsman* 7(2): 16, 40-41. Feb. 1944. 61.8 So8

12733 WARE, W. M., and GLASSCOCK, H. H. Bacterial canker of tomato. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 499-503. Feb. 1944. 10 G79J

#### Viruses and Virus Diseases

12734 BENNETT, C. W. Latent virus of dodder and its effect on sugar beet and other plants. *Phytopathology* 34: 77-91. Jan. 1944. 464.8 P56

12735 COCKERHAM, GEORGE. The reactions of potato varieties to viruses X, A, B, and C. *Ann. Appl. Biol.* 30: 338-344. Dec. 1943. 442.8 An72

12736 DEL VALLE, C. G., and ARANGO, OSCAR. La enfermedad de las rayas blancas del maíz produce grandes pérdidas en Calimete y Jagüey. *Agr. Mod. [Habana]* 1(5/6): 13. Oct./Nov. 1943. 8 Ag882

12737 KING, F. C. Virus disease in raspberries. *Organic Gard.* 3(6): 4-6. Nov. 1943. 56.8 Or3

12738 MCKINNEY, H. A., and CLAYTON, E. A. Acute and chronic symptoms in the tobacco ring-spot disease. *Phytopathology* 34: 60-76. Jan. 1944. 464.8 P56

12739 SELMAN, I. W. The appearance and spread of mosaic infection in the tomato crop and the relation to seed transmission of the virus. *Ann. Appl. Biol.* 30: 331-338. Dec. 1943. 442.8 An72

12740 SMITH, K. M. Studies on the spread of certain plant viruses in the field. *Ann. Appl. Biol.* 30: 345-348. Dec. 1943. 442.8 An72

Potato viruses X and Y and cucumber mosaic virus studied, with tobacco as the experimental plant.

12741 STANLEY, W. M. Soviet studies on viruses. *Science* 99: 136-138. Feb. 18, 1944. 470 Sci2

12742 \*STAPP, C. Ueber serologische virusforschung und den diagnostischen wert serologischer methoden zum nachweis der oflanzenlichen, insbesondere der am kartoffelabbau beteiligten viren. *Jour. f. Landw.* 89: 161-188. 1943. Ref., p. 185-188. 18 J825

12743 \*SUKHOV, K. S. A purified protein preparation of winter wheat mosaic virus. *Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.)* 39: 73-75. 1943. 511 P444

12744 WALLACE, J. M., and LESLEY, J. W. Recovery from curly top in the tomato in relation to strains of the virus. *Phytopathology* 34: 116-123. Jan. 1944. 464.8 P56

#### Diseases Caused by Nematodes

12745 BLACKWOOD, B. B. Have you met the nematodes? *Farmer-Stockman* 57: 108. Mar. 1944. 6 Ok45

12746 CRANE, C. E. Beets on nematode infested soils. *Spreckels Sugar Beet Bul.* 8(1): 8. Jan./Feb. 1944. 66.8 Sp7

12747 GEMMELL, A. R. The potato root eelworm. *Scot. Jour. Agr.* 24: 223-229. Jan. 1944. 10 Sco82So

12748 RAGONESE, A. E. Resistencia al nemátode del tallo [Anguillulina dipsaci], de diversas líneas y procedencias de alfalfas. *Rev. Argentina de Agron.* 10: 378-384. Dec. 1943. 9 R327

12749 TAYLOR, A. L. Nematode survey in Florida: effect of rootknot and other nematodes on celery in the Sanford area. *U. S. Bur. Plant Indus., Soils and Agr. Engin. Plant Dis. Rptr.* 27: 706-708, processed. Dec. 15, 1943. 1.9 P69P

12750 WILSON, G. F. The stem and bulb eelworm, *Anguillulina dipsaci* (Kühn, 1858); the importance of collating evidence on the behavior of biologic strains. *Ann. Appl. Biol.* 30: 364-370. Dec. 1943. Ref., p. 369-370. 442.8 An72

Experiments mainly with Phlox.

12751 YOUNG, V. H. Treat seed and control root knot. *Ark. Farmer* 46(2): 8, 11. Feb. 1944. 6 Ar42

#### PLANT ECOLOGY

12752 BURKE, FREDERICK. Occurrence of Halophytes in inland Cheshire. *North West. Nat.* 18: 183-185. Sept. 1943. 410 N81

12753 \*CASA PACHECO. Como se comportan las plantas al cambiar de zonas. *Surco [Madrid]* 2(12): 4-5. Feb. 1943. 15 Su7

12754 FLINTOFF, R. J. The natural history of Goathland. III. The flowering plants and ferns. An ecological study. (Concl.) *North West. Nat.* 18: 194-204. Sept. 1943. 410 N81

12755 \*FOXÁ, JAIME DE. El bosque de la Guinea continental. *Surco [Madrid]* 1(14): 4-5. Apr. 1943. 15 Su7

12756 HUBBELL, D. S., and GARDNER, J. L. Some edaphic and ecological effects of water spreading on range lands. *Ecology* 25: 27-44. Jan. 1944. 410 Ec7

12757 MCCOMB, A. L., and LOOMIS, W. E. Sub-climax prairie. *Torrey Bot. Club Bul.* 71: 46-76. Jan. 1944. 451 T63B

12758 MARIE-VICTORIN, FRÉRE. Les hautes pinèdes d'Haïti. *Nat. Canad.* 70: 245-258. Nov./Dec. 1943. 410 N216

12759 FESSIN, L. J., and CHAPMAN, R. A. The effect of living grass on the growth of longleaf pine seedlings in pots. *Ecology* 25: 85-90. Jan. 1944. 410 Ec7

12760 SCHAEDE, REINHOLD. Ueber die symbiosis in den wurzelknöllchen der podocarpeen. *Deut. Bot. Gesell. Ber.* 61: 39-41. Mar. 25, 1943. 451 D48

Abnormal growth caused by unknown fungus.

12761 \*TOLMACHEV, A. I. K voprosu o proiskhozhdenii taigi kak zonal'nogo rastitel'nogo landshafta [Concerning the origin of the taiga as a regional vegetative landscape]. *Sovet. Bot.* 1943, No. 4, p. 8-23. 450 So8

12762 TRYON, H. H. Trees as living communities. *Amer. Forests* 50: 76-77, 89. Feb. 1944. 99.8 F762

12763 WILLIAMS, R. M., and OOSTING, H. J. The vegetation of Pilot Mountain, North Carolina: a community analysis. *Torrey Bot. Club Bul.* 71: 23-45. Jan. 1944. 451 T63B

#### PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

12764 BABCOCK, E. B., and JENKINS, J. A. Chromosomes and phylogeny in *Crepis*. III. The relationships of one hundred and thirteen species. *Calif. Univ. Pubs. Bot.* 18: 241-292. Nov. 30, 1943. Ref., p. 289-291. 500 Cl25B

12765 BLASER, H. W. Studies in the morphology of the Cyperaceae. II. The prophyll. *Amer. Jour. Bot.* 31: 53-64. Jan. 1944. Ref., p. 63-64. 450 Am36

12766 CAVE, M. S., and CONSTANCE, LINCOLN. Chromosome numbers in the Hydrophyllaceae. II. *Calif. Univ. Pubs. Bot.* 18: 293-298. Jan. 29, 1944. 500 Cl25B



12767 \*CHADEFAUD, MARTUS. Sur les divers types d'éléments dangeardiens des Ascomycetes et sur la formation des asques chez la pézize *Pustularia catinus*. Rev. Sci. Paris 81: 77-80. Feb. 1943. 473 R32

12768 \*DERVUKHINA, N. V. K strukturnym izmeneniam klubnei smolonosnogo shaira [Concerning the structural changes in the tubers of *Ferula pyramidalis*]. Sovet. Bot. 1943, No. 4, p. 62-64. 450 So8

12769 GEITLER, LOTHAR. Die mechanik der mitose. Naturwissenschaft 31: 501-504. Oct. 22, 1943. 474 N213

12770 \*GUINOCHET, M. A propos du type nucléaire de *Zea mays* et d'*Helianthus annuus*. Bul. d'Histol. Appl. à la Physiol. et Path. et de Tech. Micros. 20: 43-45. Feb. 1943. 440.8 B87

12771 HAUPT, A. W. Multiple eggs in *Symphyogyna* [S. *brasilensis*]. Bryologist 46: 139-141. Dec. 1943. 450 B84

12772 \*KOZO-POLJANSKIĬ, B. M. Morfologicheskoe znachenie dentes calycini u Apioideae [The morphological significance of dentes calycini in Apioideae]. Sovet. Bot. 1943, No. 4, p. 36-41. 450 So8

12773 \*MAKAROVA, N. A. Izmeneniia v stroenii list'ev l'na pri iskluchenii nekotorykh mineral'nykh elementov iz pitatel'nogo rastvora [Changes in structure of flax leaves caused by various mineral elements in nutritive solutions]. Sovet. Bot. 1943, No. 4, p. 56-62. 450 So8

12774 MYERS, W. M. Cytological and genetic analysis of chromosomal association and behavior during meiosis in hexaploid timothy (*Phleum pratense*). Jour. Agr. Res. 68: 21-33. Jan. 1, 1944. Ref., p. 32-33. 1 Ag84J

12775 RHOADES, M. M. Genic induction of an inherited cytoplasmic difference. Natl. Acad. Sci. Proc. 29: 327-329. Dec. 15, 1943. 500 N21P

12776 \*VICTOROV, S. V. Cell division in buds of shrubs during winter. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 39: 239-240. 1943. 511 p444  
Experiments with several varieties of gooseberries.

12777 WENT, F. W. Morphological observations on the tomato plant. Torrey Bot. Club Bul. 71: 77-92. Jan. 1944. 451 T63B

#### PLANT GENETICS

12778 BEAR, R. P. Mutations for waxy and sugary endosperm in inbred lines of dent corn. Amer. Soc. Agron. Jour. 36: 89-91. Jan. 1944. 4 Am34P

12779 BOERGER, ALBERTO. Centros de genes en América del Sur. Rev. de Agr. [Bolivia], 1: 16-20. July 1943. 102.5 C64

12780 CRANE, M. B., and MATHER, KENNETH. The natural cross-pollination of crop plants with particular reference to the radish. Ann. Appl. Biol. 30: 301-308. Dec. 1943. 442.8 An72

12781 \*LEVADOUX, L. État actuel de la génétique viticole en Allemagne. Prog. Agr. et Vitic. 60: 170-173. May 23/30, 1943. 14 P94

12782 MEADLY, G. R. W. Vegetable seed production. The significance of cross-pollination. West. Austral. Dept. Agr. Jour. 20: 259-263. Sept. 1943. 23 W52J

12783 OFFORD, H. R., QUICK, C. R., and MOSS, V. D. Self-incompatibility in several species of *Ribes* in the Western States. Jour. Agr. Res. 68: 65-71. Jan. 15, 1944. 1 Ag84J

12784 RIDDLE, O. C., and SUNESON, C. A. Crossing studies with male-sterile barley. Amer. Soc. Agron. Jour. 36: 62-65. Jan. 1944. 4 Am34P

12785 ROBERTSON, D. W., and others. The location of two genes for mature plant characters in barley in linkage group No. 1. Amer. Soc. Agron. Jour. 36: 66-72. Jan. 1944. 4 Am34P

F. R. Immer, G. A. Wiebe, and Harland Stevens, joint authors.

12786 SEARS, E. R. The amphidiploids *Aegilops cylindrica* X *Triticum durum* and *A. ventricosa* X *T. durum* and their hybrids with *T. aestivum*. Jour. Agr. Res. 68: 135-144. Feb. 1, 1944. Ref., p. 143-144. 1 Ag84J

12787 STEEBINS, G. L., JR., and TOBGY, H. A. The cytogenetics of hybrids in *Bromus*. I. Hybrids within the section *Ceratochloa*. Amer. Jour. Bot. 31: 1-11. Jan. 1944. 450 Am36

12788 STEPHENS, S. G. Meiosis of a triple species hybrid in *Gossypium*. Nature [London], 153: 82-83. Jan. 15, 1944. 472 N21

12789 \*\*SWEDEN. ÅRSBERÄTTELSE Över Föreningens för Växtförädlings av Skogsträd verksamhet under år 1941 (Annual report on the work of the Association for Breeding of Forest Trees during 1941). Svensk Papp Tidn. 45: 300-307, 324-327, 382-383, 404-409, 519-522, 542-543. 1942.

Abs. in Forestry Abs. 5: 92-95. 1943. 241.01 Im7

#### PLANT PHYSIOLOGY AND BIOCHEMISTRY

##### Plant Physiology

12790 \*ALEKSANDROV, V. G. Istoriia razvitiia i morfologiia zernovki zlaka tipa *fachmenevykh* (Hordeae) [History of development and morphology of caryopsis of some grasses of the type of *Hordeae*]. Sovet. Bot. 1943, No. 4, p. 24-35. 450 So8

12791 \*\*ARISZ, W. H. Absorption und transport bei den tentakeln von *Drosera capensis*. II. Die aktivierung des transportes verschiedener stoffe der sauerstoff. Amsterdam. Nederland. Akad. Wetensch. Proc. 45: 794-801. Oct. 1942.

Abs. in Chem. Zentbl. 114, II: 1470. Oct. 20, 1943. 384 C42

12792 \*\*AUGIER, JEAN. Die raffinose bei *Ginkgo biloba* L. Soc. Bot. de France Bul. 89: 113-115. 1942.

Abs. in Chem. Zentbl. 114, II: 131. July 14, 1943. 384 C42

12793 BADCOCK, E. C. Methods for obtaining fructifications of wood-rotting fungi in culture. Brit. Mycol. Soc. Trans. 26: 127-132. Dec. 31, 1943. 451 B76

12794 BARG, TRAUTE. Ueber den fettgehalt der diatomeen. Deut. Bot. Gesell. Ber. 61: 13-27. Feb. 25, 1943. 451 D48

12795 \*BAUER, LEOPOLD. Untersuchungen zur entwicklungsgeschichte und physiologie der plastiden von laubmoosen. Flora [Jena], 36: 30-84. Oct. 20, 1942. 450 F66

12796 \*BECKER, RICHARD. Untersuchungen über die lebensdauer verschiedener weissekleeformen. Pflanz. enbau 20: 27-40. July 1943. 18 P48

12797 BERGER, JULIUS, and AVERY, G. S., JR. Glutamic and isocitric acid dehydrogenases in the *Avena coleoptile* and the effect of auxins on these enzymes. Amer. Jour. Bot. 31: 11-19. Jan. 1944. 450 Am36

12798 BHIDE, N. V., and SAHASRAHUDDHE, D. L. A study of the enzymes present in germinating seeds. Bombay Univ. Jour. Sect. A, Phys. Sci. (n. s.) 12(3): 81-84. Nov. 1943. 513 B633

12799 BLACKWELL, ELIZABETH. On germinating the oospores of *Phytophthora cactorum*. Brit. Mycol. Soc. Trans. 26: 93-103. Dec. 31, 1943. 451 B76

12800 BOWDEN, R. A. Experiments show effect of magnesium on *Primula* plants. Florists' Rev. 93 (2412): 23-24. Feb. 17, 1944. 80 W41

12801 \*BRAUN, H. Biologische spezialisierung bei *Synchytrium endobioticum* (Schilb.) Perc. Ztschr. f. Pflanzenkrankh. 52: 481-486. Nov. 1942. 464.8 Z3



- 12802 BRIAN, P. W. Effect of p-amino-benzoic acid on the toxicity of p-amino-benzene-sulphonamide to higher plants and fungi. Nature [London] 153: 83-84. Jan. 15, 1944. 472 N21  
Experiments showing retardation of inhibitory effect on wheat germination and growth of fungi.
- 12803 BÜNNING, E. Die Anpassung der pflanzen an den jahres- und tagesperiodischen wechsel der aus- senbedingungen. Naturwissenschaften 31: 493-499. Oct. 22, 1943. 474 N213
- 12804 BUSH, R. G. W. Orchard accident -- a happy one -- gave science the clue to the super fruit. Farmers Weekly [London] 20(6): 31. Feb. 11, 1944. 10 F2226  
Accidental increase of chromosomes in deciduous and small fruit gave clue to use of colchicine and other means for improving quality and size of fruits.
- 12805 CHRISMAR O., OCTAVIO VON, and MIVICA R., FERNANDO. Efectos de la luz sobre la energía germinativa de las semillas. Chile. Min. de Agr. Dept. de Sanid. Veg. Bol. de Sanid. Veg. 2: 116-119. July/Dec. 1942. 464.9 C432B
- 12806 CCULTER, F. C. The moon and the garden. A fascinating story of an ancient belief. Seed World 55(3): 18. Feb. 4, 1944. 61.8 Se52
- 12807 DAGYS, JONES, and BLUZMANAS, PETRAS. Gebundene bios-wuchsstoffe in Boletus edulis. Deut. Bot. Gesell. Ber. 61: 49-66. Mar. 25, 1943. 451 D48
- 12808 DAVIDSON, O. W. The sign language of tomato plants. Florists Exch. 102(6): 7, 12. Feb. 5, 1944. 80 F666  
Plants indicate growth conditions.  
Also in Florists' Rev. 93(2410): 24-25. Feb. 3, 1944. 80 W41
- 12809 \*\*DEOGUN, P. N. Relation between roots and method of irrigation in dry tracts of the Punjab. Indian Forester 69: 97-106. 1943.  
Abs. in Forestry Abs. 5: 97. 1943. 241.01 Im7
- 12810 DRAKE, MACK. Nutrient balance in corn growing in Southern States as revealed by Purdue plant tissue tests. Amer. Soc. Agron. Jour. 36: 1-9. Jan. 1944. 4 Am34P
- 12811 DUFRENOY, JEAN. Some physiological relations of virus-infected plant tissues. Biodynamica 4: 171-184. Dec. 1943. 442.8 B5223
- 12812 \*EGGLHUBER, W. Die bedeutung der saatzstärke und bestandesdichte für die morphologischen und anatomischen eigenschaften des leinstengels. Jour. f. Landw. 89: 112-122. 1943. 18 J825
- 12813 EVANS, F. R. The accelerating effect of sublethal heat on spore germination in mesophilic aerobic bacteria. Jour. Bact. 46: 513-523. Dec. 1943. 448.3 J82
- 12814 \*EWERT. Bienenbeflug erhöht den rapsertrag. Bayer. Biene 64: 52. Apr. 1942. 424.8 B34
- 12815 \*EWERT. Das honigen der küchenzwiebel. Deut. Bienenzucht 49: 234-235. Mar. 1942. 424.8 D48
- 12816 \*\*FRIES, N. Über das wuchsstoffbedürfnis einiger Ophiostoma-arten. Svensk Bot. Tidskr. 36: 451-466. 1942.  
Abs. in Rev. Appl. Mycol. 22: 150. May 1943. 450 R328
- 12817 \*\*GESSNER, FRITZ. Die assimilatorische leistung des phytoplanktons, bezogen auf seinen chlorophyllgehalt. Ztschr. f. Bot. 38: 414-424. 1943.  
Abs. in Chem. Zentbl. 114, II: 1283. Oct. 6, 1943. 384 C42
- 12818 \*GIESECKE, F., and WIENHUES, F. Feldversuche über den einfluss steigender und zeitlich gestaffelter stickstoffgaben auf den ertrag und den eiweissgehalt von sommergerste und winterroggen. Bodenk. u. Pflanzenernähr. 30: 306-316. 1943. 384 Z343A
- 12819 \*GILLERN, C. VON. Versuchsergebnisse über die stimulierende wirkung von thoriumverbindungen auf das pflanzenwachstum. Jour. f. Landw. 89: 233-239. 1943. 18 J825
- 12820 \*GIRARDIN, G. Ce qu'il faut penser des cultures san sol. Génie Rural, Année 36, July/Aug. 1943, p. 5-6. 58.8 Au8
- 12821 \*GLIEMEROTH, GEORG. Der einfluss von keimtemperatur und tageslänge auf die entwicklung des incarnatklees. Jour. f. Landw. 89: 123-150. 1943. 18 J825
- 12822 GOODALL, D. W. Proportion of leaves to flower trusses in the tomato plant. Gard. Chron. 115: 39. Jan. 22, 1944. 80 G162
- 12823 GOTTLEIB, DAVID. The mechanism of wilting caused by Fusarium bulbigenum var. lycopersici. Phytopathology 34: 41-59. Jan. 1944. Ref., p. 57-59. 464.8 P56
- 12824 \*HARDER, RICHARD, and WITSCH, HANS VON. Blüten-scheckung und korrelationsstörungen. Versuche mit heteroauxin an petunien. Göttingen. Gesell. der Wiss. Nachr. aus der Biol. 3: 227-237. Jan. 29, 1940. 442.9 G71
- 12825 \*HARDER, RICHARD, and SIMONIS, WILHELM. Ueber die rolle der lichtintensität bei der farb-adaptation des assimilationsapparates von Helodea canadensis. Göttingen. Gesell. der Wiss. Nachr. aus der Biol. 3: 129-134. Mar. 3, 1938. 442.9 G71
- 12826 \*HARDER, RICHARD, BODE, OTTO, and WITSCH, HANS VON. Ueber wechselbeziehungen zwischen blütenbildung, brakteenverlaubung und sukkulenz laubblätter bei Kalanchoë blossfeldiana. Flora [Jena] 36: 85-100. Oct. 20, 1942. 450 P66
- 12827 HEATH, O. V. S. Studies in the physiology of the onion plant. I. An investigation of factors concerned in the flowering ('bolting') of onions grown from sets and its prevention. Part 2. Effects of day length and temperature on onions grown from sets, and general discussion. Ann. Appl. Biol. 30: 308-319. Dec. 1943. 442.8 An72
- 12828 \*HENKEL, P. A., and KOLOTOVA, S. S. Comparative method for the evaluation of the salt resistance of cotton plants. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 39: 195-197. 1943. 511 P444
- 12829 JOHNSTONE, G. R., and FEENEY, F. L. Periodicity of Gelidium cartilagineum, a perennial red alga. Amer. Jour. Bot. 31: 25-29. Jan. 1944. 450 Am36
- 12830 \*KEESE, H. Über den einfluss verschiedener wasser- und stickstoffversorgung auf die eiweissbildung im hafer. Bodenk. u. Pflanzenernähr. 30: 197-207. 1943. 384 Z343A
- 12831 \*KERTSCHER, F. Grenzen der auswertung der nährstoffuntersuchungen der böden auf grund der erfahrungen mit der keimpflanzenmethode. Bodenk. u. Pflanzenernähr. 29: 291-300. 1943. 384 Z343A
- 12832 \*KÖNIG, F. Gefässversuche über den einfluss später stickstoffgaben auf den korn- und eiweissertrag bei weizen und gerste. Bodenk. u. Pflanzenernähr. 30: 273-288. 1943. 384 Z343A
- 12833 \*\*KOLEFF, NIKOLA. Untersuchungen über die keimruhe bei salatsemen (L. sativa var. capitata L.). I. Gartenbauwissenschaft 17: 263-272. Mar. 23, 1943.  
Abs. in Chem. Zentbl. 114, II: 36. July 7, 1943. 384 C42
- 12834 \*\*KORDES, HERBERT. Verwendung der wuchsstoffe zur stecklingsvermehrung immergrüner laub- und nadelhölzer. Gartenbauwissenschaft 17: 240-249. Mar. 23, 1943.  
Abs. in Chem. Zentbl. 114, II: 36. July 7, 1943. 384 C42
- 12835 \*KÜSTER, ERNST. Quellung und entquellung des pflanzlichen protoplasmas. Beobachtungen an cyanophyceen. Ztschr. f. Wiss. Mikros. u. f. Mikros. Tech. 59: 167-170. Sept. 1943. 440.8 Z3



- 12836 \*KUHNHOLTZ-LORDAT, G., and BERNAUX, P. Le folletage des tomates. *Prog. Agr. et Vitic.* 60: 185-187. Oct. 24/31, 1943. 14 Pp
- 12837 \*LEONTIEV, V. Acceleration of growth in suckers of *Haloxylon aphyllum*. *Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.)* 39: 198-200. 1943. 511 Pp
- 12838 LITTLE, E. L. Layering after a heavy snowstorm in Maryland. *Ecology* 25: 112-113. Jan. 1944. 410 Ec7
- 12839 LOUSTALOT, A. J. Apparent photosynthesis and transpiration of pecan leaves treated with Bordeaux mixture and lead arsenate. *Jour. Agr. Res.* 68: 11-19. Jan. 1, 1944. 1 Ag84J
- 12840 \*LUNDEGARDH, HENRIK. Kritisches über bioelektrische potentiale. *Ztschr. f. Bot.* 38: 401-413. 1943.
- Abs. in *Chem. Zentbl.* 114, II: 1374. Oct. 13, 1943. 384 C42
- 12841 \*MARCUS, AUGUST. Boden und baumwolle. *Bodenk. u. Pflanzenernähr.* 29: 94-100. 1943. 384 Z343A
- 12842 \*\*MEITES, MARC. Die wirkung des benzinhaltigen wassers auf die struktur der pflanzlichen zelle (Beitrag zur kenntnis der chemie und physiologie der zelle). *Soc. Bot. de France Bul.* 89: 79-87. 1942.
- Noted in *Chem. Zentbl.* 114, II: 131. July 14, 1943. 384 C42
- 12843 \*\*MIHAILESCU, J. G. Ueber den aschengehalt der blüten verschiedener farbe. *Bucharest Acad. Română Sect. Sci. Bul.* 25: 224-235. 1942.
- Abs. in *Chem. Zentbl.* 114, II: 1282. Oct. 6, 1943. 384 C42
- 12844 \*\*MIHAILESCU, J. G. Ueber die alkalinität der asche der blüten verschiedener farbe. *Bucharest Acad. Română Sect. Sci. Bul.* 25: 305-312. 1943.
- Abs. in *Chem. Zentbl.* 114, II: 1282. Oct. 6, 1943. 384 C42
- 12845 \*MODILEVSKIĬ, J. S. Stadii noe razvitie pokrytosemiannykh rastenii (Stages of development in the Angiospermae). *Uspekhi Sovremennoi Biol.* 16: 335-346. 1943. 442.8 Er3
- 12846 \*NEHRING, K. Der einfluss von wasser- und nährstoffversorgung auf die eiweissbildung bei getreide. V. Mitteilung. Der einfluss von wasser- und stickstoffversorgung auf die eiweissbildung bei hafer. *Bodenk. u. Pflanzenernähr.* 30: 208-230. 1943. 384 Z343A
- 12847 \*NEMEC, ANTONIN. Zur kenntnis der kali- und magnesiamangelercheinungen bei sämmlingen und kulturen der keifer. *Forstwiss. Centbl.* 64: 160-166. July 1, 1942. 99.8 F775
- 12848 \*\*OLSEN, C. Chlorophyll content of beech leaves (*Fagus sylvatica*) exposed to light and shade. *Carlsberg Lab. Compt. Rend. des Trav. Sér. Chim.* 24: 99-103. 1942.
- Abs. in *Chem. Abs.* 37: 317. June 10, 1943. 381 Am33J
- 12849 \*\*OORTWIJN BOTJES, J. Aethylen als wirk-sames mittel für den auxinverbrauch bei erbsen und tomaten. *Amsterdam. Nederland. Akad. Wetensch. Proc.* 45: 999-1002. 1942.
- Abs. in *Chem. Zentbl.* 114, II: 1471. Oct. 20, 1943. 384 C42
- 12850 PEREZ ARBELAEZ, ENRIQUE. Numeros y plan-tas. *Vida Rural* 5(53): 13-14. Dec. 1943. 9.4 V66
- 12851 PESCOTT, E. E. Has anyone seen sugar gum seedlings grow naturally? *Stock and Land* 34(2): 2-3. Jan. 12, 1944. 49 St62
- 12852 PETRIE, A. H. K., and ARTHUR, J. I. Physiological ontogeny in the tobacco plant. The effect of varying water supply on the drifts in dry weight and leaf area and on various components of the leaves. *Austral. Jour. Expt. Biol. and Med. Sci.* 21: 191-200. Dec. 1943. 442.8 Au7
- Compiled by J. G. Wood.
- 12853 ROBBINS, W. J., and KAVANAGH, FREDERICK. Temperature, thiamine, and growth of *Phycomyces*. *Torrey Bot. Club. Bul.* 71: 1-10. Jan. 1944. 451 T63B
- 12854 RYALL, A. L., and ALDRICH, W. W. The effect of water deficits in the tree upon maturity, composition, and storage quality of Bosc pears. *Jour. Agr. Res.* 68: 121-133. Feb. 1, 1944. 1 Ag84J
- 12855 \*SCHARRER, K., and SCHREIBER, R. Gefäss-versuche über den einfluss gesteigerter kalium- und magnesiumdüngung auf den eiweissertrag der ackerbohne (*Vicia faba*). *Bodenk. u. Pflanzenernähr.* 30: 360-370. 1943. 384 Z343A
- 12856 \*SCHARRER, K., and SCHREIBER, R. Über die wirkung kombinierter kalium- und magnesiumgaben auf das erntegewicht sowie den eiweiss- und fettertrag von hanf (*Cannabis sativa*). *Bodenk. u. Pflanzener-nähr.* 30: 370-380. 1943. 384 Z343A
- 12857 \*SCHMITT, L., and SCHINEIS, W. Über den einfluss von wasser- und stickstoffversorgung auf die eiweissbildungsmöglichkeit verschiedener hafer-sorten. *Bodenk. u. Pflanzenernähr.* 30: 231-249. 1943. 384 Z343A
- 12858 \*SCHROPP, W., and ARENZ, B. Feldversuche über den einfluss verschiedener wasser- und stick-stoffversorgung auf den ertrag und die eiweissbildung des hafers. *Bodenk. u. Pflanzenernähr.* 30: 289-306. 1943. 384 Z343A
- 12859 \*SCHROPP, W., and ARENZ, B. Gefässver-suche über den einfluss verschiedener wasser- und stickstoff-versorgung auf die ertrags- und eiweiss-bildung bei zwei hafersorten. *Bodenk. u. Pflanzen-ernähr.* 30: 250-273. 1943. 384 Z343A
- 12860 SKOOG, FOLKE. Growth and organ formation in tobacco tissue cultures. *Amer. Jour. Bot.* 31: 19-24. Jan. 1944. 450 Am36
- 12861 SMITH, D. C. Pollination and seed forma-tion in grasses. *Jour. Agr. Res.* 68: 79-95. Jan. 15, 1944. Ref., p. 94-95. 1 Ag84J
- 12862 \*SOMON, ERNEST. Observations sur l'évolu-tion des plastes amylières dans les diverses parties de l'embryon de *Cytisus laburnum* en germination. *Rev. Sci. Paris* 81: 76. Feb. 1943. 473 R32
- 12863 STEIL, W. N. Peculiar fern prothallia. *Torrey Bot. Club Bul.* 71: 93-98. Jan. 1944. 451 T63B
- 12864 \*STRAUS, WERNER. Recherches sur les chromatophores IV. Sur la structure des chromato-phores de la carotte. *Helvetica Chim. Acta* 26: 1370-1383. 1943. 385 E36
- 12865 TEAKLE, L. J. H., and TURTON, A. G. The copper, manganese, and zinc content of subterranean clover and oats in Western Australia. *West. Austral. Dept. Agr. Jour.* 20: 238-259. Sept. 1943. 23 W52J
- 12866 TEAKLE, L. J. H., JOHNS, H. K., and TURTON, A. G. Experiments with micro elements for the growth of crops in Western Australia. IX. Copper de-ficiency of currants at Gingin and its correction. *West. Austral. Dept. Agr. Jour.* 20: 171-184. Sept. 1943. 23 W52J
- 12867 TINGLEY, M. A. Concentration gradients in plant exudates with reference to the mechanism of translocation. *Amer. Jour. Bot.* 31: 30-38. Jan. 1944. 450 Am36



- 12868 TIVER, N. S., and WILLIAMS, R. F. Studies of the flax plant. 2. The effect of artificial drought on growth and oil production in a linseed variety. Austral. Jour. Expt. Biol. and Med. Sci. 21: 201-209. Dec. 1943. 442.8 Au7
- 12869 \*URQUIJO LANDALUZE, PEDRO. Un efecto fisiológico de las cochinillas sobre los agrios y la vid. Spain. Estac. de Fitopat. Agr. de Galicia, La Coruña. Pub. 17, p. 245-249. Madrid, Sept. 1941. 464.9 C81
- 12870 WAKANKAR, S. M. Influence of size of seed piece upon the yield of potatoes. Amer. Soc. Agron. Jour. 36: 32-36. Jan. 1944. 4 Am34P
- 12871 WOODMAN, R. M. The nutrition of the radish. Ann. Appl. Biol. 30: 319-322. Dec. 1943. 442.8 An72
- 12872 \*YANG, H. T., and HUNG, Y. L. A preliminary study of a method for inducing sweet potato to flower and set seeds. West China Border Res. Soc. Jour. 14 (Ser. B): 119-127. 1943. 513 W52  
In Chinese. English summary.
- Biochemistry
- 12873 ACREE, FRED, JR., JACOBSON, MARTIN, and HALLER, H. L. Amorphin, a glycoside in *Amorpha fruticosa* L. Jour. Organic Chem. 8: 572-574. Nov. 1943. 381 J827
- 12874 ANSLOW, W. K., RAINSTRICK, HAROLD, and SMITH, GEORGE. Anti-fungal substances from moulds. I. Soc. Chem. Indus. Jour. Trans. and Commun. 62: 236-238. Dec. 1943. 382 M31  
Patulin, a metabolic product of *Penicillium patulum* and *P. expansum*.
- 12875 CARTER, C. L. Karakin, the glucoside of *Corynocarpus laevigata*, and hiptagenic acid. Soc. Chem. Indus. Jour. 62: 238-240. Dec. 1943. 382 M31
- 12876 COOK, D. L., DUNKER, M. F. W., and UHL, A. H. A phytochemical study of the leaves of *Celastrus scandens* Linné. I. A preliminary study. II. The non-saponifiable material. Amer. Pharm. Assoc. Jour. 33: 15-21. Jan. 1944. 396.9 Am33J  
L. M. Parks, joint author, Part I.
- 12877 \*DEFFNER, MICHAEL. Ueber den stoffwechsel des schimmelpilzes *Aspergillus niger*. I. Abbau der citronensäure. Justus Liebig's Ann. der Chem. 552: 191-202. Oct. 19, 1942. 384 An7
- 12878 FLOREY, H. W. Claviformin from *Aspergillus giganteus* Wehm. Nature [London] 153: 139. Jan. 29, 1944. 472 N21
- 12879 JONES, W. W., and others. A note on ascorbic acid: nitrogen relationships in grapefruit. Science 99: 103-104. Feb. 4, 1944. 470 Sci2  
C. W. Van Horn, A. H. Finch, M. C. Smith, and Emily Caldwell, joint authors.
- 12880 KARIKKA, K. J., DODGEON, L. T., and HAUCK, H. M. Influence of variety, location, fertilizer, and storage on the ascorbic acid content of potatoes grown in New York State. Jour. Agr. Res. 68: 49-63. Jan. 15, 1944. Ref., p. 62-63. 1 Ag84J
- 12881 KEMMEER, A. R., and FRAPS, G. S. Nature of carotenes in alfalfa. Amer. Chem. Soc. Jour. 66: 305-306. Feb. 1944. 381 Am33J
- 12882 \*KÜSTER, ERNST. Beiträge zur kenntnis der rosanoffschen kristalle und verwandter gebilde. Flora [Jena] 36: 101-116. Oct. 20, 1942. 450 F66  
Experiments with *Ficus elastica*.
- 12883 MAN, T. J. DE. Einige freien amino-säuren in *Lolium perenne*. Naturwissenschaften 31: 492. Oct. 8, 1943. 474 N213
- 12884 MARION, LEO, and MANSKE, R. H. F. The alkaloids of *Lycopodium* species. IV. *Lycopodium tristachyum* Pursh. Canad. Jour. Res. Sect. B, Chem. Sci. 22: 1-4. Jan. 1944. 470 C16B
- 12885 MEREDITH, W. O. S., and SALLANS, H. R. Varietal differences in barleys and malts. XIII. Wort attenuation, viscosity, and turbidity, and their inter-relations. Canad. Jour. Res. Sect. C, Bot. Sci. 21: 351-362. Dec. 1943. 470 C16CD
- 12886 \*RAUTERBERG, E., and BENISCHKE, H. Tyrosinbestimmung mittels Millonschereaktion in pflanzensubstanzen und tyrosingehalt in unterschiedlich ernährtem hafer. Bodenk. u. Pflanzenernähr. 30: 317-325. 1943. 384 Z343A
- 12887 SELEEN, W. A., and STARK, C. N. Some characteristics of green-fluorescent pigment-producing bacteria. Jour. Bact. 46: 491-500. Dec. 1943. 448.3 J82
- 12888 \*\*VELDSTRA, H. Pflanzliche wuchsstoffe und ihre anwendungen in der praxis. Chem. Weekbl. 40: 158-166. Apr. 3, 1943.  
Abs. in Chem. Zentbl. 114, II: 36. July 7, 1943. 384 C42
- 12889 VILLELA, G. G. Vitamin C in the needles of some conifers. Science 99: 125. Feb. 11, 1944. 470 Sci2  
Investigations with those growing largely in southern Brazil (*Araucaria* and *Podocarpus*).
- SILVICULTURE
- 12890 BLACK, W. Afforestation. New Zeal. Jour. Agr. 68: 67-68. Jan. 15, 1944. 23 N48J  
Suggestions for New Zealand.
- 12891 BLOCH, HANS. Extensiones y planos de viveros forestales. Vida Rural 5(53): 35-36. Dec. 1943. 9.4 V66
- 12892 BLOCH, HANS. Selección de terrenos para viveros forestales. Vida Rural 5(52): 18. Nov. 1943. 9.4 V66
- 12893 CARPENTER, C. M. Forestry and strip mining. Amer. Forests 50: 70-72, 94. Feb. 1944. 99.8 F762  
Compulsory reforestation of strip-mined areas in Indiana.
- 12894 DORMAN, E. W., SCHOPMEYER, C. S., and SNOW, A. G., JR. Top bracing and guying in the breeding of southern pines. Jour. Forestry 42: 140-141. Feb. 1944. 99.8 F768
- 12895 EAST, BEN. Sharptails or pine furrows? Field & Stream 48(11): 34-36, 74-75. Mar. 1944. 410 F45  
Hunters' objections to tree planting in furrows.
- 12896 GONÇALVES, A. P. Silvicultura aplicada, I-III. Ceres [Brazil] 4: 249-260, 315-322, 446-458. Mar./Apr. - July/Aug. 1943. 9.2 C332  
Discusses various phases of reforestation.
- 12897 LEBARRON, R. K. Influence of controllable environmental conditions on regeneration of jack pine and black spruce. Jour. Agr. Res. 68: 97-119. Feb. 1, 1944. Ref., p. 118-119. 1 Ag84J
- 12898 PESSIN, L. J. Stimulating the early height growth of longleaf pine seedlings. Jour. Forestry 42: 95-98. Feb. 1944. 99.8 F768
- 12899 QUICK, R. H. Seedlings for sale at cost [by West Virginia State Forest Nursery]. W. Va. Conserv. 7(12): 14. Mar. 1944. 279.8 W524
- 12900 SILVICULTURE VII. The principles that determine spacing. Trees 7: 70-71. Jan./Mar. 1944. 99.8 T714
- 12901 SMITH, N. F. A study of the spread of forest cover into wild-land openings. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 269-277. 1943. 500 M582
- 12902 \*SMITT, ANTON. Treslagskifte i Vest-Norge. Norsk Landbruk 9: 310-312. Nov. 12, 1943. 11 N8122  
"Streif gjennom de seinere års forsøksresultater," XXV.  
On the selection of trees for reforestation in western Norway.



12903 \*VANSELOW, K. Einfluss des pflanzverbandes auf die entwicklung reiner fichtenbestände. Forstwiss. Centbl. 64: 23-37, 49-59. Jan.-Feb. 1942. 99.8 F775

Development of pure spruce stands up to the age of 35 years as affected by different degrees of spacing.

12904 VIANNA, E. F. Breves instruções sobre a cultura da Acacia negra. Brasil. Min. da Agr. Bol. 31(1): 55-57. Jan. 1942. 9.2 Ag83

12905 \*WIEDEMANN. Der vergleich der massenleistung des mischbestandes mit dem reinbestand. Allg. Forst. u. Jagd Ztg. 119: 123-132. July/Sept. 1943. 99.8 A13

#### FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

#### General

12906 \*DANNEMANN, R. Pflege der saaten im herbst. Mitt. f. die Landw. 58: 824-825. Oct. 9, 1943. 18 D48M

12907 \*ENGELMANN. Der anbau von roggen nach kartoffeln im Osten. Mitt. f. die Landw. 58: 793-794. Sept. 25, 1943. 18 D48M

12908 \*HOPF. Der "Saattertige" acker. Mitt. f. die Landw. 58: 732. Sept. 4, 1943. 18 D48M

12909 \*NICOLAISEN, W. Wichtige grundsätze für den anbau von winterzwischenfrüchten. Mitt. f. die Landw. 58: 727-730. Sept. 4, 1943. 18 D48M

12910 \*OPITZ. Erfahrungen über das versagen der serradella als untersaat. Mitt. f. die Landw. 58: 899-900. Oct. 30, 1943. 18 D48M

12911 POND, G. A. Pick the crops that yield more feed [cereals and alfalfa]. Minn. Farm and Home Sci. 1(2): 6-7. Feb. 15, 1944. 100 M668

12912 \*SCHULZE. Zur herbstbestellung. Mitt. f. die Landw. 58: 720-722. Sept. 4, 1943. 18 D48M  
Fall planting of field crops resulting from German plant breeding.

12913 SERVISS, G. H. Seed conservation necessary. [N. Y.] Orange Co. Farm Bur. News 21(1): 4. Jan. 1944. 275.293 N.Y., Orange Co.

12914 SINGH, HARBANS, MOHAMMAD, KHUSHI, and SINGH, HARDIAL. Sugarcane and wheat in one year. Indian Farming 4: 358-361. July 1943. 22 In283

#### Cereals

12915 AHLGREN, G. H. Hybrid corn takes over. N. J. Agr. 26: 3-5. Jan./Feb. 1944. 275.28 N46

12916 ALLUE, ANTONIO. El cultivo del arroz. Ceres [Valladolid, Spain] 5(42): 42. Dec. 1, 1939. 15 C33

12917 ARMSTRONG, S. F. Cereals for spring sowing. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 444-445. Jan. 1944. 10 G79J

12918 \*ARNOLD, EUGEN. Einiges über den menggetreidebau. Mitt. f. die Landw. 58: 898-899. Oct. 30, 1943. 18 D48M

12919 CÁRDENAS, MARTIN, and CUTLER, HUGH. Dos variaciones interesantes en el maíz. Rev. de Agr. Bolivia, 1: 3-5. July 1943. 102.5 C64

12920 COMPTON, L. L. Relationship of moisture to wheat yields in western Kansas. Broomhall's Corn Trade News 44: 37. Jan. 26, 1944. 286.81 B79

12921 COSLINE, H. L. Looking forward to a full oat bin. Amer. Agr. 41: 73, 93. Feb. 19, 1944. 6 Am3

12922 \*DANNHARDT, H. Einfluss von saattiefe und -zeit auf die überwinterung des roggens. Mitt. f. die Landw. 58: 813-814. Oct. 2, 1943. 18 D48M

12923 ELLIOTT, H. G. The growing of maize for grain. West. Austral. Dept. Agr. Jour. 20: 201-204. Sept. 1943. 23 W52J

Also in Westralian Farmers' News 5(220): 8. Dec. 9, 1943. 280.28 W52J

12924 \*GABRIEL. Fehler bei der roggenbestellung. Mitt. f. die Landw. 58: 722-723. Sept. 4, 1943. 18 D48M

12925 \*GILCH, R. Sicherung der brotgetreideernnten durch anbau von menggetreide? Mitt. f. die Landw. 58: 725-726. Sept. 4, 1943. 18 D48M

12926 \*GRAEBER, WILHELM. Wie sichern wir hohe weizenernten bei geringeren stickstoffgaben? Mitt. f. die Landw. 58: 833-834. Oct. 9, 1943. 18 D48M

12927 GROSS, F. C. Turretfield seed wheat farm. Annual report, 1942-1943. So. Austral. Dept. Agr. Jour. 47: 203-204, 212. Dec. 1943. 23 So84

12928 HALL, T. E. How co-op hybrid corn got to Pennsylvania. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 11, 22. Jan. 1944. 166.2 M47

12929 HAYES, H. K. Hybrid corn--its origin and value. Minn. Farm and Home Sci. 1(2): 15-16, 7. Feb. 15, 1944. 100 M668

12930 HIXON, R. M., and SPRAGUE, G. F. The commercial possibilities of waxy corn. Iowa Yearbook Agr. (1942) 43: 420-424. 1943. 2 Io9R

12931 KERLE, W. D. The grain sorghums. The value of new varieties demonstrated. (To be concl.) Agr. Gaz. N. S. Wales 54: 545-548, 553. Dec. 1, 1943. 23 N472

12932 LAUBSCHER, F. X. A new sweet sorghum variety [Haakdoorn]. Farming in So. Africa 18: 841-842, 856. Dec. 1943. 24 So842

12933 LAUMONT, PIERRE. Soins à donner aux cultures de céréales. Rev. Agr. de l'Afrique du Nord 41: 21-23. Jan. 29, 1943. 80 R326

12934 LEARY, W. J. New oat varieties yield well in 1943. Dakota Farmer 64: 85. Feb. 19, 1944. 6 D14

12935 MANLEY, T. A., and CHURCH, G. F. Popularity of new [grain] sorghums crowds corn as No. 1 crop. South. Seedsman 7(2): 10-11, 50. Feb. 1944. 61.8 So8

12936 MANN, H. H. The influence of fallowing on the yield of wheat or barley on very exhausted land. Jour. Agr. Sci. [England] 33(4): 207-212. Jan. 31, 1944. 10 J822

12937 NEEL, L. R. Higher and higher corn yields ... from proper fertilization and the use of adapted hybrid varieties. South. Agr. 74(3): 7. Mar. 1944. 6 So83

12938 PARKER, J. H. New varieties of wheat. Grain & Feed Jours. Consolidated 92: 65. Jan. 26, 1944. 298.8 G762

12939 \*PODVALKOV, A. I. A. Kvooprocu o prodvizenii pshenitay na sever [Concerning the acclimatization of wheat in the North]. Gor'kii. Gosud. Selak. Khoz. Inst. Trudy (Gor'kii. State Inst. Agr. Papers) 4: 169-174. 1943. 106 B414T

12940 REISS, FRANCIS, ROBINSON, J. L., and ZUBER, M. S. Report for 1942. The Iowa corn yield test. Iowa Yearbook Agr. (1942) 43: 168-184. 1943. 2 Io9R

12941 RODALE, J. I. Our corn crop. Organic Gard. 3(6): 8-9. Nov. 1943. 56.8 Or3

12942 \*RUDINGER, HANS. Fehler bei der wintergerstenbestellung. Mitt. f. die Landw. 58: 700-702. Aug. 28, 1943. 18 D48M

12943 SANSON, T. K. Wheat; varieties tested at the Plant Breeding Station, Salisbury, and available for distribution. Rhodesia Agr. Jour. 40: 355-357. Nov./Dec. 1943. 24 B34



- 12944 SHANK, D. B., and MCCLELLAND, C. K. Hybrid corn for Arkansas. *Ark. Farmer* 46(1): 6-7. Jan. 1944. 6 Ar42
- 12945 STANTON, T. R. Disease-resistant oats. *Successful Farming* 42(3): 44, 46. Mar. 1944. 6 Sul2
- 12946 STOA, T. E. New rust resistant durums [Carleton and Stewart wheat varieties]. *Grain & Feed Jours. Consolidated* 92: 79. Jan. 26, 1944. 298.8 G762
- 12947 SUNESON, C. A., and RIDULE, O. C. Hybrid vigor in barley. *Amer. Soc. Agron. Jour.* 36: 57-61. Jan. 1944. 4 Am34P
- 12948 THOMPSON, M. J. Twenty-six oat crop. *Stock & Dairy Farmer* 33(6): 7. Feb. 1944. 6 N8195
- Comparison of 1926 crop, which was a failure, with low and high crops since 1918.
- 12949 \*WINTER. Fehler bei der roggenbestellung. *Mitt. f. die Landw.* 58: 740-742. Sept. 11, 1943. 18 D48M
- Fiber Crops
- 12950 \*ABAD, J. R. El henequén o sisal. *Surco [Madrid]* 2(13): 14-15. Mar. 1943. 15 Su7
- 12951 CASANOVA, EDUARDO. El cultivo del algodón "Sea Island" y su importancia en relación con la economía nacional. *Agr. Mod. [Habana]* 1(4): 13. Sept. 1943. 8 Ag882
- 12952 CASANOVA, EDUARDO. Perspectivas mundiales del algodón "Sea Island." (To be cont.). *Agr. Mod. [Habana]* 1(5/6): 21. Oct./Nov. 1943. 8 Ag882
- Características del algodón "Sea Island."
- 12953 JOHNSON, BURT. A research program on cotton for tire cords. *Chemurg. Digest* 3: 40-42. Jan. 31, 1944. 381 N213Na
- Includes breeding, variety, and fertilizer tests.
- 12954 MORA PEREZ, FAUSTO. Lino. *Agr. Mex.* 59 (11): 14-15. Nov. 1943. 8 Ag8
- 12955 O'KELLY, J. F. Cotton varieties in the hill section. *Miss. Farm Res.* 7(1): 7-8. Jan. 1944. 100 M69M1
- 12956 RAY, W. W. Treated seed gives better cotton yields. *Farmer-Stockman* 57: 104. Mar. 1944. 6 Ok45
- 12957 RODRIGO, A. DEL P. Especies de "Sida" espontáneas en la Argentina que pueden utilizarse como textiles. *Rev. Argentina Agron.* 10: 373-377. Dec. 1943. 9 R327
- 12958 \*RUDAKOVA, M. M. Diagnostika i prognoz skorospelosti sortov konopl'i i es pola na osnovanii teorii vozrastnoi tsiklichnosti. Diagnosis and prognosis of the maturity of hemp varieties and of their sex on the basis of the theory of age cycles. *Gor'kii. Gosud. Selak. Khoz. Inst. Trudy (Gor'kii. State Inst. Agr. Papers)* 4: 93-121. 1943. 106 B414T
- 12959 WELLS, W. G. Cultivation of cotton. *Queensland Agr. Jour.* 57(6): 334-336. Dec. 1943. 23 Q33
- Forage Crops and Grasses
- 12960 AMOS, ARTHUR. Management of temporary pastures. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 515-517. Feb. 1944. 10 G79J
- 12961 ARNY, A. C. Stepping up rotation pasture yields. *Minn. Farm and Home Sci.* 1(2): 1-2. Feb. 15, 1944. 100 M668
- 12962 \*ARONSON, LINDER, and NILSSON-LEISSNER, G. Skånse stamtörsöka med rödklöver 1934-1940 (Trials with red clover strains in Scania 1934-1940). *K. Lantbruksakad. Tidskr.* 82: 177-210. 1943. 104 Sw3
- English summary.
- 12963 BOULET, L. J. Organisation de la production d'herbe sur la ferme. *Rev. d'Okla* 18(1): 1-15. Jan./Feb. 1944. 7 Ok1
- The characteristics of four groups of pasturage and grass production in relation to other farm crops.
- 12964 BUCHNER W., ENRIQUE. Mejores pastos. *Campesino [Santiago, Chile]* 75: 782-784. Dec. 1943. 9.3 Sol2
- 12965 CANELA, P. T. La toxicidad de los sorgos. Frente al problema forrajero de la provincia de San Luis y región inmediata de influencia del ferrocarril de Buenos Aires al Pacífico. *Rev. Mens. B. A. P.* 26(310): 23-28. Sept. 1943. 9 R326
- 12966 COSTELLO, D. F. Know your range grasses and plants. Plains pricklypear (*Opuntia polyacantha*). *Westerner* 7(1): 24, 28-29, 40-41. Feb. 1944. 49 W522
- 12967 CULLITY, M., and ELLIOTT, H. G. Blue Prussian or blue boiler peas. *West. Austral. Dept. Agr. Jour.* 20: 218-221. Sept. 1943. 23 W52J
- 12968 DEERING, FERDIE. Pasture hash. *Farmer-Stockman* 57: 98, 118. Mar. 1944. 6 Ok45
- Mixture of ryegrass, clovers, and small grains sown together recommended.
- 12969 \*FULDE, MARTIN. Vermag luzerne die hundertjahre bei wiesenneuenansaat auszuschalten? *Mitt. f. die Landw.* 58: 750-751. Sept. 11, 1943. 18 D48M
- 12970 GONZALEZ, A. DE J. El maní como forraje. *Rev. Mens. B. A. P.* 26(310): 7-8. Jan. 1944. 49 R321
- 12971 GRAU, F. V. Grassland agriculture. *Pa. Farmer* 130: 67, 79. Feb. 12, 1944. 6 P383
- 12972 HARPER, H. J. More profit with sweet clover rotations. *Farmer-Stockman* 57: 49. Feb. 1944. 6 Ok45
- 12973 HELLBUSCH, C. E. Guar grows in popularity. *Calif. Cult.* 91: 58. Feb. 5, 1944. 6 Cl2
- 12974 HUGHES, H. D., and WILSIE, C. P. Plant red clover: it has important place in your crop system. *Ind. Farmers Guide* 100(3): 18. Feb. 1, 1944. 6 In2
- 12975 HURST, F. J. Lespedeza. *Prog. Farmer, Miss.-Ark.-La. Ed.* 59(3): 14. Mar. 1944. 6 So81
- 12976 \*ILINSKIY, ALEFEJ. Ob odnom novom sposobe vesovogo analiza travostoi. Concerning a new method of analyzing the weight of grass in the meadow. *Sovet. Bot.* 1943, No. 4, p. 55-56. 450 So8
- 12977 \*KANNENBERG, H. Weidebehandlung und weidewirtschaft im herbst. *Mitt. f. die Landw.* 58: 747-748. Sept. 11, 1943. 18 D48M
- 12978 \*KAUFFMANN, ADOLF. Praktische erfahrungen im winterwicken-samenbau. *Mitt. f. die Landw.* 58: 790. Sept. 25, 1943. 18 D48M
- 12979 KOK, E. I. O capim colonião [*Panicum maximum*]. *Rev. Rural Bras.* 23(277): 46. Sept. 1943. 9.2 B733
- 12980 MCCLELLAND, C. K. Lespedezas are heat resistant ... increase carrying capacity of summer pastures. *Ark. Farmer* 46(2): 7. Feb. 1944. 6 Ar42
- 12981 MEDLOCK, O. C. Growers of lespedeza, sericea boost it. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 59(2): 30. Feb. 1944. 6 P945G
- 12982 \*MÜLLER-ARNOLD. Sicherung des rapsbaus im kontinentalen ostdeutschen raum. *Mitt. f. die Landw.* 58: 724-725. Sept. 4, 1943. 18 D48M
- 12983 MOOMAW, LEROY. Seed grass early. *Dakota Farmer* 64: 78. Feb. 19, 1944. 6 D14
- 12984 \*NICOLAISEN, W., and LEITZKE, B. Versuche mit luzerne-graagemengen im vergleich mit luzerne-reinsaat bei ansaat ohne und mit ueberfrucht. *Jour. f. Landw.* 89: 195-233. 1943. 18 J825
- 12985 PHEYSSEY, J. E. Notes on growing pedigree cocksfoot seed. *Worcestershire Agr. Chron.* 11: 299, 301, 303, 305, 307. Nov. 1943. 10 W892
- 12986 PONS, J. E. Pasture management. *Farming in So. Africa* 18: 853-856. Dec. 1943. 24 So842
- 12987 \*SALCEDO, L. F. Reflexión de fin otoño, hierba en el tejado. *Surco [Madrid]* 1(10): 8-10. Dec. 1942. 15 Su7



- 12988 SELLWOOD, T. A. The lucerne crop in North Otago. New Zeal. Jour. Agr. 67: 441, 443. Dec. 15, 1943. 23 N48J
- 12989 \*SKRIABIN, N. S. Opyty po ispytaniu vidov i sortov lugopastbishchnykh trav v gor'kovskoi oblasti [Experiments in testing species and varieties of pasture plants in the Gor'kii region]. Gor'kii. Gosud. Sel'sk. Khoz. Inst. Trudy (Gor'kii. State Inst. Agr. Papers) 4: 175-185. 1943. 106 B414T
- 12990 SNIDER, H. J. Next year's clover crop. Hoard's Dairyman 89: 82. Feb. 10, 1944. 44.8 H65
- 12991 STANBERRY, S. W. Giving wings to range grass. [Seeding by airplane.] Natl. Live Stock Prod. 22(5): 6. Feb. 1944. 280.38 N21
- 12992 STEVENS, O. A. Some 30-year tests on germination of alfalfa and clover. Grain & Feed Jours. Consolidated 92: 119. Feb. 9, 1944. 298.8 G762
- 12993 \*TIEHMANN, Winterzwischenfrüchte unter besonderer Berücksichtigung von Roggen-zottelwickenmenge. Mitt. f. die Landw. 58: 767-769. Sept. 18, 1943. 18 D48M
- 12994 WARK, D. C. Herbage and fodder crops for livestock in the Mallee. So. Austral. Dept. Agr. Jour. 47: 210-212. Dec. 1943. 23 S684
- 12995 WEBSTER, C. B. Go native!...for new markets. Boom in little bluestem, grama, and other native S. W. grasses spurs seed production. South. Seedsman 7(2): 12, 52. Feb. 1944. 61.8 S68
- 12996 WHITNEY, J. N. Temporary pastures in the wheat rotation. Agr. Gaz. N. S. Wales 54: 542-543. Dec. 1, 1943. 23 N472
- 12997 WORTHEN, E. L. Hay seeding mixtures for 1944. [N. Y.] Cayuga Co. Farm & Home Bur. News 30(2): 1. Feb. 1944. 275.293 N. Y., Cayuga Co.

#### Oil Crops

- 12998 \*ALABOUVETTE, L. A propos de la culture du tournesol. Prog. Agr. et Vitic. 60: 105-107. Apr. 4/11, 1943. 14 P94
- 12999 BLACKMAN, G. E. Sunflowers as an oil seed crop. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 517-521. Feb. 1944. 10 G79J
- 13000 \*BLANC, LOUIS. Note sur la culture du Soya. Rev. Internatl. du Soya 3: 73-75. May/June 1943. 60.38 R32
- 13001 \*CASTELLI, TOMMASO. Les avatars de la culture du soja en Italie. Rev. Internatl. du Soya 3: 59-64. May/June 1943. 60.38 R32
- 13002 COELHO DE SOUZA, W. W. A cultura do coqueiro anão. Rev. Rural Bras. 23(277): 18-22. Sept. 1943. 9.2 B733
- 13003 CURIEL, VICTORIO. El cultivo del sésamo y sus posibilidades en el Paraguay. Hacienda 39: 63-65. Feb. 1944. 6 H11
- 13004 \*DUNEZ, ANTOINE. Résultats obtenus par l'inoculation des semences dans la culture du soja. Rev. Internatl. du Soya 3: 51-53. Mar./Apr. 1943. 60.38 R32
- 13005 \*ECKENFELS, CHARLES. L'augmentation, par hormonisation de la résistance du soja à la sécheresse. Rev. Internatl. du Soya 3: 75. May/June 1943. 60.38 R32
- 13006 FUELLEMAN, R. F., and BURLISON, W. L. Growing perilla in Illinois. Chemurg. Digest 3: 33, 35. Jan. 31, 1944. 381 N213Na
- 13007 GARRIS, HOWARD, and SHAW, LUTHER. Seed treatment, dusting of peanut, said to pay big dividends. GPC News 2(2): 1, 2. Feb. 1944. 280.28 G112
- 13008 \*GASPAR, F. La soja y su extensión actual en nuestro país. Surco [Madrid] 11(14): 8-10. Apr. 1943. 15 Su7

- 13009 \*GAY, H. La culture du soya en Tunisie. Rev. Internatl. du Soya 3(17): 31-41. Mar./Apr. 1943. 60.38 R32
- 13010 \*GEORGES, H. Note sur une variété très ubéreuse de soya obtenue en pleine terre. Rev. Internatl. du Soya 3: 14. Jan./Feb. 1943. 60.38 R32
- 13011 HACKNEY, G. T. Soybeans tried in Texas Panhandle. Farmer-Stockman 57: 71. Feb. 1944. 6 Ok45
- 13012 HIGGINS, B. B. Prepare now for maximum yields of peanuts in 1944. GFA News 7(5): 4. Jan. 31, 1944. 77.8 G11
- 13013 HOSSZU, MARTIN DE. A "new" linseed [Royal] for Britain. Farmers Weekly [London] 20(7): 27. Feb. 18, 1944. 10 F2226
- 13014 HUGHES, H. D. Soybeans through 30 years at the Iowa Station. Iowa Yearbook Agr. (1942) 43: 383-388. 1943. 2 Io9R
- 13015 MALBERTI, FELIX. Siembras comerciales: La probada del girasol. Rev. Nac. [Habana] 2(21): 25. Aug. 1943. 280.8 R3295
- 13016 \*MAUME, L., and HEBARD, J. Quelques indications sur le développement et les exigences du tournesol grand soleil dans le Languedoc méditerranéen. Prog. Agr. et Vitic. 60: 107-109. Apr. 4/11, 1943. 14 P94
- 13017 \*OSVALD, HUGO. Oljeväxtodlingens betydelse inom det framtida jordbruket (The importance of oleiferous plants in the Swedish agriculture of the future). K. Lantbruksakad. Tidskr. 82: 261-272. 1943. 104 Sw3
- English summary.
- 13018 \*PERGELT. Der rapsbau auf leichtem boden. Mitt. f. die Landw. 58: 743. Sept. 11, 1943. 18 D48M
- 13019 \*ROUEST, ANTOINE. Le "soja français" en Russie. Rev. Internatl. du Soja 3: 46-47. Mar./Apr. 1943. 60.38 R32
- 13020 SCOTT, O. M. & SONS CO. Soybean production. Scotts Farm Bul., v. 13. No. 1, 6 p. Marysville, Ohio, 1944. 61.8 Sco3
- 13021 SMITH, J. L. Producing peanuts in Florida. GFA News 7(5): 4. Jan. 31, 1944. 77.8 G11
- 13022 \*SOUILLET, ABBÉ. Le soya en Anjou. Rev. Internatl. du Soya 3: 48. Mar./Apr. 1943. 60.38 R32
- 13023 STURKIE, D. G. Peanut planting in Alabama. GFA News 7(5): 4. Jan. 31, 1944. 77.8 G11
- 13024 TOVAR, W. C. La soya o poroto soya. Rev. de Agr. [Bolivia] 1: 35-38. July 1943. 102.5 C64
- 13025 WHITE, W. J., and PUTT, E. D. Sunflower production for grain. Canada Agr. Supplies Bd. War-Time Prod. Ser. Spec. Pam. 69, 8 p. Ottawa, 1943. 7 C162

#### Sugar Crops

- 13026 CAMPBELL, S. C. Beet seed growing in West is established industry. Spreckels Sugar Beet Bul. 8(1): 7-8. Jan./Feb. 1944. 66.8 Sp7
- 13027 LAMBIDIN, R. S., and MANUEL, G. D. Growers use segmented seed. Spreckels Sugar Beet Bul. 8(1): 3-4. Jan./Feb. 1944. 66.8 Sp7
- 13028 PITTMAN, D. W. Sugar beet growing in Iran. Sugar Beet [Ogden, Utah] 4: 5-7. Dec. 1943. 66.8 Su34B
- 13029 \*WIMMER, G. Kurzfristige feststellung der wertbestimmenden eigenschaften von zuckerrübensorten mit hilfe von gefässversuchen. Jour. f. Landw. 89: 188-195. 1943. 18 J825

#### Tobacco

- 13030 \*FLORIDA, J. DE LA. El tabaco español. Surco [Madrid] 1(2): 2-5. Apr. 1942. 15 Su7
- 13031 HUNT, RUSSELL. Be sure it's the right variety [of tobacco]. Prog. Farmer, Ky.-Tenn. Ed. 59 (2): 12. Feb. 1944. 6 P945k



- 13032 LAUMONT, PIERRE. La plantation du tabac. Rev. Agr. de l'Afrique du Nord 41: 51-52. Mar. 19, 1943. 80 R326

### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

- 13033 CHABOT, E. D. Coldframes need attention this month. Home Gard. [N. Y.], 3(2): 59-60. Feb. 1944. 80 H756
- 13034 CHADWICK, L. C. The fifteenth annual short course for nurserymen, landscape gardeners and arborists and the central regional meeting of the National Shade Tree Conference. Ohio State Univ. Dept. Hort. Nursery Notes, v. 13, No. 4, 10 p., processed. [Columbus], 1944. 275.29 Oh32N
- Abstracts of discussions.
- 13035 DAVIS, V. H. Why to order fruit and vegetable supplies now. Ohio Farm Bur. News 23(6): 30. Jan. 1944. 6 Oh34
- 13036 DONALD, JAMES. Pointers on pruning. Gard. Chron. Amer. 48: 86-87. Mar. 1944. 80 G1632
- 13037 FISHER, G. M. Seed sowing; practice and precaution. Gard. Chron. Amer. 48: 70-71, 85. Mar. 1944. 80 G1632
- 13038 FRASER, H. Planning the small fruit garden. Gard. Illus. 44: 276. Feb. 1944. 80 G169
- Contains a list of reliable apples and pears.
- 13039 FREE, MONTAGUE. Grafting and making cuttings. Hort. Soc. N. Y. Monthly Bul. 15(2): 21-23. Feb. 1944. 81 N482M
- 13040 GOODSPEED, T. H. Some South American gardeners and garden clubs. Gard. Club Amer. Bul. 20 (8th Ser.): 20-23. Feb. 1944. 90.32 G16
- 13041 \*HARTMAN, A. J. Het volkstuintwezen in Nederland. Econ. Statist. Ber. 28: 278-280. Sept. 22, 1943. 280.8 Ec722
- 13042 HEUCHLING, F. G. Victory gardens for production and beauty. A 1944 opportunity for municipal authorities. Amer. City 59(2): 59-61. Feb. 1944. 98.58 Am31
- 13043 HOLLEY, W. D. Breeding program at New Hampshire "U" of value to the trade. Florists' Rev. 93(2410): 23. Feb. 3, 1944. 80 W41
- Flower and vegetable breeding.
- 13044 HOWARD, A., and MCINTYRE, G. A. A survey, census, and statistical study of the horticultural plantings on the Murrumbidgee Irrigation Areas, New South Wales. Austral. Council Sci. and Indus. Res. Bul. 168, 88 p. Melbourne, 1943. 514 Au72B
- 13045 HULL, H. S. Planning a program for a new garden club. Home Gard. [N. Y.], 3(2): 32-33. Feb. 1944. 80 H756
- 13046 KIMBALL, M. H. Pruning and spraying [of fruit trees]. Calif. Cult. 91: 59, 66-67. Feb. 5, 1944. 6 C12
- 13047 MCKENNA, P. J. Buds where you don't expect them. Home Gard. [N. Y.], 3(2): 94-95. Feb. 1944. 80 H756
- 13048 NANGLE, M. B. Greenhouse for Victory gardens. Flower Grower 31: 166-167. Mar. 1944. 80 M72
- 13049 PAGE, E. H. New and unusual vegetables and flowers for your garden. Austral. Gard. Lover 19(7): 7-8. Oct. 1, 1943. 80 G1615
- 13050 PARRA, ROGELIO. Recomendaciones sobre el cultivo de frutales. Agr. Mod. [Habana], 1(5/6): 15, 24. Oct./Nov. 1943. 8 Ag882
- Grafting of fruit trees.
- 13051 PESCOTT, E. E. Tree propagation "mysteries" were once trade secrets. Stock and Land 34(1): 2, 3. Jan. 5, 1944. 49 St63
- 13052 PROVAN, J. L. Flowers and vegetables in the garden. Austral. Gard. Lover 19(7): 23-24. Oct. 1, 1943. 80 G1615
- 13053 REBOUR, H. Les cultures intercalaires dans les vergers. Rev. Agr. de l'Afrique du Nord 41: 86-87. May 21, 1943. 80 R326
- 13054 ROCKWELL, F. F. The Victory garden gets away to a running start. Home Gard. [N. Y.], 3(2): 46-48. Feb. 1944. 80 H756
- 13055 SCHARFF, JUSTIN. Spring planting season is here. Calif. Cult. 91: 91, 102. Feb. 19, 1944. 6 C12
- 13056 SIMÓN Y REGALADO, EDUARDO. La horticultura y su significado. Agr. Mod. [Habana] 1(5/6): 4. Oct./Nov. 1943. 8 Ag882
- Definitions of horticultural terms.
- 13057 SLATE, G. L. Pruning the fruit garden. Flower Grower 31: 146, 160. Mar. 1944. 80 M72
- 13058 SMITH, R. W. Practical plant protection. Organic Gard. 4(2): 20-22. Jan. 1944. 56.8 Or3
- 13059 WELCH, J. H. Fruits from far and wide. Tex. Farming and Citric. 20(7): 7, 14-15. Jan. 1944. 80 T31
- Peach, grape, strawberry, avocado, papaya, fig, etc.
- 13060 WING, A. S. Prospects for 1944 Victory garden supplies. South. Florist and Nurseryman 56(18): 6. Jan. 28, 1944. 80 So86

#### Citrus and Subtropical Fruits

- 13061 BAJA CALIFORNIA. SECRETARÍA DE AGRICULTURA Y FOMENTO. El cultivo del dátil y su desarrollo comercial en la Baja California. Hacienda 39: 73-74. Feb. 1943. 6 H11
- 13062 MAURI, N. Le surgreffage des agrumes par le procédé de "La Plancha." Rev. Agr. de l'Afrique du Nord 41: 59. Apr. 2, 1943. 80 R326
- 13063 \*RENAUD, P. Une variété d'olivier d'huile à cultiver - l'arbéquine. Prog. Agr. et Vitic. 60: 145-146. May 2/9, 1943. 14 P94

#### Deciduous Fruits

- 13064 ALLEN, E. J. Home orchard suggestions. Ark. Farmer 46(1): 20. Jan. 1944. 6 Ar42
- 13065 BEAR, E. M. In the [deciduous] fruit plantation. Some points in pruning. Fruit-Grower, Fruiterer, Florist & Market Gard. 97: 83-84. Feb. 3, 1944. 80 F941
- 13066 BLAKE, M. A. Apple breeding in New Jersey. N. J. State Hort. Soc. Hort. News 25: 1544, 1548. Jan. 1944. 81 N46
- 13067 BLAKE, M. A. Better varieties of apples for New Jersey are wanted. N. J. State Hort. Soc. Hort. News 25: 1553. Jan. 1944. 81 N46
- 13068 BLAKE, M. A. Cultural management of Stayman apples upon soils deficient in moisture. N. J. State Hort. Soc. Hort. News 25: 1551-1552, 1554. Jan. 1944. 81 N46
- 13069 BLAKE, M. A. The New Jersey Peach Council, a pioneer in its field. N. J. State Hort. Soc. Hort. News 25: 1545-1546. Jan. 1944. 81 N46
- 13070 BROWN, J. J. Fruit tree stocks from root cuttings. Pop. Gard. 45: 382. Jan. 22, 1944. 80 G1622
- 13071 BURKHOLDER, C. L. A Maiden Blush [apple] record. Hoosier Hort. 26: 31. Feb. 1944. 81 In2H
- 13072 CHEAL, W. F. Winter pruning in wartime. Fruit-Grower, Fruiterer, Florist & Market Gard. 97: 65-66. Jan. 27, 1944. 80 F941
- 13073 CONNORS, C. H. Pruning peaches, plums and cherries. Home Gard. [N. Y.], 3(2): 64-68. Feb. 1944. 80 H756



13074 CROCE, F. M. Recolección de cerezas. Mendoza, Argentina. Dir. de Indus. Agr. Bol. Agr. 11: 193-200. July/Sept. 1943. 9 M52B

Includes determination of ripeness and organization of harvesting.

13075 CUMMINGS, M. B. Pruning apple trees. Right and wrong practices. Amer. Agr. 41(3): 1, 11. Feb. 5, 1944. 6 Am3

13076 FAURE, J. Traitement des arbres fruitiers. Prog. Agr. et Vitic. 60: 22-23. Jan. 10/17. 1943. 14 P94

13077 FERGUSON, D. B. Apple varieties shift in importance. [N. Y.] Orange Co. Farm Bur. News 21(1): 1. Jan. 1944. 275.293 N. Y. Orange Co.

13078 GASKILL, N. B. Fruits of Victory gardens. Gard. Chron. Amer. 48: 84, 91. Mar. 1944. 80 G1632

Dwarf fruit trees.

13079 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Plums and damsons. Gt. Brit. Min. Agr. and Fisheries Advisory Leaflet 268, 4 p. London, 1944. 10 G79La

13080 HALL, E. R. Unwanted varieties removing by frameworking fruit trees. Country Life [British Columbia] 28(2): 2. Feb. 1944. 7 C832

13081 HEDRICK, U. P. The best in fruit. Horticulture 22: 71. Feb. 15, 1944. 80 H787

13082 JUDKINS, W. P. Peach planting in wartime. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 36-40. Jan./Feb. 1944. 100 Oh3S

13083 JUDKINS, W. P. Peach varieties for Ohio. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 33-35. Jan./Feb. 1944. 100 Oh3S

13084 MCGILLIVRAY, K. D. Prune stock trials at Wagga Experiment Farm. Agr. Gaz. N. S. Wales 54: 565-567, 570. Dec. 1, 1943. 23 M472

13085 MAGNESS, J. R. Managing your orchards in 1944. Va. Fruit 32: 68-75. Jan. 1944. 81 V81B

13086 MANN, A. J. Fruit tree rootstock production from seed. Country Life [Brit. Columbia] 28(2): 23. Feb. 1944. 7 C832

13087 MANN, A. J. Production of fruit tree rootstocks vegetatively. Use of "clonal" stocks reduces tendency to depart from true type. Country Life [Brit. Columbia] 28(2): 18-19. Feb. 1944. 7 C832

13088 MAURI, N. La fécondation du figuier. Rev. Agr. de l'Afrique du Nord 41: 80-81. May 7, 1943. 80 R326

13089 NISWONGER, H. R. Some peach problems of 1944. Va. Fruit 32(1): 48-52. Jan. 1944. 81 V81B

13090 PALMER, R. C. Progress in solving orchard problems in Washington State ... as reported to State Horticultural Association. Country Life [Brit. Columbia] 28(2): 7, 26-27. Feb. 1944. 7 C832

13091 PRATT, A. N. Pruning is basis of fruit yields. Tenn. Market Bul. 16(2): 3. Feb. 15, 1944. 280.38 T25

13092 SOUTHWICK, LAWRENCE. Pruning fruit trees. Rural New-Yorker 103: 25, 32, 58. Jan. 15, Feb. 3, 1944. 6 R88

13093 STARK, A. Profitable pruning practices [for deciduous fruit trees]. Utah Farmer 63(12): 11, 13. Feb. 10, 1944. 6 D45

13094 TUKEY, H. B. Fruit growers review the season and look ahead. Rural New-Yorker 103: 117, 124. Mar. 4, 1944. 6 R88

13095 TUKEY, H. B. The Malling apple rootstocks. Rural New-Yorker 103: 90, 94. Feb. 19, 1944. 6 R88

13096 VAN DOREN, A. Pruning peaches. [N. Y.] Nassau Co. Farm and Home Bur. News 32(2): 11. Feb. 1944. 275.293 N. Y., Nassau Co.

13097 \*VERCIER, J. Taillez au moins les prolongements de vos jeunes arbres si vous ne pouvez ou ne savez en tailler le couronnement. Prog. Agr. et Vitic. 60: 61-64. Feb. 21/28, 1943. 14 P94

13098 VERNER, LEIF. What will sprays do next? Idaho Farmer 62(3): 8. Feb. 3, 1944. 6 G282

Hormone sprays to reduce fruit drop of apple and pear, to delay blossoming, and to thin fruit.

13099 WHITEHEAD, G. E. Apples on light soils. A selection of reliable varieties based on practical experience. Gard. Illus. 44: 274. Feb. 1944. 80 G169

#### Nuts

13100 GELLATLEY, J. W. Pollination of the Broadview English [walnut]. Forest Leaves 23(6): 15. Nov./Dec. 1943. 99.8 F763

13101 JONES, M. M. Nut trees in the home garden. Gard. Chron. Amer. 48: 88-89. Mar. 1944. 80 G1632

13102 \*LAPOYADE, E. DE. La régénération de nos châtaigneraies. Prog. Agr. et Vitic. 60: 123-128, 162-167. Sept. 20, Oct. 17, 1943. 14 P94

13103 RICE, E. C. Nut crop report. Forest Leaves 23(6): 14. Nov./Dec. 1943. 99.8 F763

13104 VEIHMEYER, F. J., and HENDRICKSON, A. H. The cultivation and irrigation of almond orchards during a dry year. Almond Facts 8(1): 1, 5. Jan./Feb. 1944. 280.28 A162

#### Ornamental Plants

13105 ALFONSO, J. L. El tarco o jacaranda. Campo [Argentina] 28(325): 50. Nov. 1943. 9 C15

13106 ALLEN, R. C. All about delphiniums. Home Gard. N. Y., 3(2): 8-10. Feb. 1944. 80 H756

13107 ALLEN, MRS. W. B. High, wide and handsome [planting and pruning roses]. Amer. Rose Mag. 5: 134-135. Jan./Feb. 1944. 80 Am327A

13108 ANDERSON, MRS. V. W. Camellias in the Northwest. Gard. Club Amer. Bul. 20(8th Ser.), p. 24-26. Feb. 1944. 90.36 G16

13109 ANDERSON, W. M. Guide to gladiolus culture. Flower Grower 31: 140, 154. Mar. 1944. 80 M72

13110 ARNOLD, R. E. Cattleya bowringiana. Orchid Rev. 52(607): 27-28. Jan. 1944. 80 Or15

13111 ARNOLD, R. E. Epidendrum vitellinum. Orchid Rev. 42(607): 22-23. Jan. 1944. 80 Or15

13112 BAILEY, L. H. The garden flows. House & Gard. [Greenwich, Conn.] 85(3): 23, 89. Mar. 1944. 80 H81

Appreciation of ornamental gardening.

13113 BARCLAY, H. B. Ground cover plants for benefit and beauty. Gard. Chron. Amer. 48: 92. Mar. 1944. 80 G1632

13114 BEAN, ROBERT. Master growers' series. Watering the Cattleya genera. Amer. Orchid Soc. Bul. 12: 300-303. Feb. 3, 1944. 80 Am329

13115 BECKETT, EDWIN. Random shots. Cornus kousa and other dogwoods. Gard. Chron. Amer. 48: 40. Feb. 1944. 80 G1632

13116 BECKETT, EDWIN. Random shots. Exochorda racemosa. Gard. Chron. Amer. 48: 87. Mar. 1944. 80 G1632

13117 BENNERUP, ROBERT. New perennials for the postwar era. Amer. Nurseryman 79(5): 5-6. Mar. 1, 1944. 80 Am371

13118 BLACKBURN, BEN. Plant for permanence ... Korean rhododendron. Flower Grower 31: 145, 167. Mar. 1944. 80 M72

13119 BLACKMON, G. H. Prescription for better roses. Remember that roses must grow to produce bloom. Fla. Grower 52(2): 19-20. Feb. 1944. 80 F6622



- 13120 BLAIR, W. D. *Chrysopsis falcata*. Amer. Rock Gard. Soc. Bul. 2(1): 12. Jan./Feb. 1944. 81 Am342
- 13121 BOBIN, MRS. KENNETH. Martha Washington geranium [*Pelargonium*]. Back to Eden 10(8): 2. Mar. 1944. 80 B12
- 13122 BRINKMAN, JOHN. Suggestions for novice growers. *Gladiolus* [New England *Gladiolus* Soc.] (1944) 19: 46-48. 96.43 N44  
Experiences in growing gladiolus.
- 13123 BROTO, ARTURO DE. El cultivo de las flores en España. *Ceres* [Valladolid, Spain] 5(49): 12-13. July 1, 1940. 15 C33
- 13124 BROWN, J. R. Window leaves. [of *Haworthia truncata*]. *Desert Plant Life* 15: 151. Dec. 1943. 450 D45
- 13125 CLARK, A. M. *Begonia* Washington Street. *Begonian* 10: 258-259, 265. Feb. 1944. 96.511 B39
- 13126 CLARK, J. S. An early flowering shrub, *Abeliophyllum distichum*. *Gard. Chron. Amer.* 48: 84. Mar. 1944. 80 G1632
- 13127 COLEMAN, EDITH. Herbs and birds. *Victorian Nat.* 60: 131-132. Jan. 1944. 410 V66  
Leaves of Canary Islands *chrysanthemum* used by birds for nest.
- 13128 COOPER, E. *Odontoglossum cariniferum* variety. *Orchid Rev.* 52(607): 17-18. Jan. 1944. 80 Or15
- 13129 CURNOW, P. J. Useful creepers and climbers for the ornamental garden. *So. Austral. Dept. Agr. Jour.* 47: 239-240. Dec. 1943. 23 So84
- 13130 DEBEVOISE, FLORENS. Planted walls. Amer. Rock Gard. Soc. Bul. 2: 1-5. Jan./Feb. 1944. 81 Am342
- 13131 DOIG, J. S. Divisions and back bulbs of orchid plants. Amer. Orchid Soc. Bul. 12: 312-313. Feb. 3, 1944. 80 Am329
- 13132 DOIG, J. S. Orchids for the amateur. *Gard. Chron. Amer.* 48: 54-55. Feb. 1944. 80 G1632
- 13133 DONALD, JAMES. The Christmas rose [*hellebore*]. *Gard. Chron. Amer.* 48: 69. Mar. 1944. 80 G1632
- 13134 DOWNER, H. E. Perennials from seed for beginners. Home Gard. [N. Y.] 3(2): 69-71. Feb. 1944. 80 H756
- 13135 EASLEA, WALTER. Polyantha roses. Some recent additions to a valuable group of decorative roses. *Gard. Illus.* 44: 270. Feb. 1944. 80 G169
- 13136 ENTZMINGER, A. M. Begonias from leaf cuttings. Back to Eden 10(7): 3. Feb. 1944. 80 B12
- 13137 EVANS, MARY. Foundation shrubs. House & Gard. 85(3): 64-65, 103, 106-108. Mar. 1944. 80 H81
- 13138 EVERETT, T. H. Plant portraits [*Albuca fastigiata* and *Polystichum aculeatum*]. *Gard. Chron. Amer.* 48: 78-79. Mar. 1944. 80 G1632
- 13139 EVERETT, T. H. Plants worth knowing [*Tillandsia lindeniana*, *Dieffenbachia seguine*]. *Gard. Chron. Amer.* 48: 44-45. Feb. 1944. 80 G1632
- 13140 FISHER, G. M. Our national colors. [Red, white and blue flowers.] *Gard. Chron. Amer.* 48: 57. Feb. 1944. 80 G1632
- 13141 FLYNN, E. B. Tuberous begonias under tree. *Begonian* 10: 260. Feb. 1944. 96.511 B39
- 13142 FREE, MONTAGUE. An early start with annuals. Home Gard. [N. Y.] 3(2): 84-85. Feb. 1944. 80 H756
- 13143 FULLER, JULIA. Rose pruning hints for procrastinators. *Ariz. Farmer* 23(3): 14. Jan. 29, 1944. 6 Ar44
- 13144 GARCIA ROMERO, ANTONIO. Flores de otoño. *Crisantemos. Surco* [Madrid] 1(9): 7-8. Nov. 1942. 15 Su7
- 13145 GRANT, J. A. Early bulbs for the far Northwest. Home Gard. [N. Y.] 3(2): 61-63. Feb. 1944. 80 H756
- 13146 GREENING, E. J. Notes on culture [of gladiolus]. *Gladiolus* [New England *Gladiolus* Soc.] (1944) 19: 52-56. 96.43 N44
- 13147 GROOTENDORST, A. M. A commercial grower's experience with gladiolus. *Florists' Exch.* 102(9): 9, 12. Feb. 26, 1944. 80 F666
- 13148 HAMBLIN, S. F. Everblooming ramblers. Amer. Rose Mag. 5: 141-143. Jan./Feb. 1944. 80 Am327A
- 13149 HANGER, FRANCIS. Azaleas from the wild. A brief survey of some of the most notable species from China, Japan and North America, with reference to their suitability for cultivation in gardens at home. *Gard. Illus.* 64: 266-268. Feb. 1944. 80 G169
- 13150 HANNA, MRS. EVA. Making a gladiolus seed bed. *Gladiolus* [New England *Gladiolus* Soc.] (1944) 19: 49-51. 96.43 N44
- 13151 HASTINGS, RAY. All-America selections for 1944; the three yellow roses. *Austral. Gard. Lover* 19(9): 21-22. Dec. 1, 1943. 80 G161
- 13152 HASTINGS, W. R. All-American flowers for 1944. *Gard. Gossip* 19(2): 3, 13. Feb. 1944. 80 G1625
- 13153 HENCKEN, MRS. WILLIAM. "Let's swing it." The development of a small place. *Gard. Club Amer. Bul.* 20(8th Ser.), p. 30-32. Feb. 1944. 90.36 G16
- 13154 HICK, A. E. A review of recent flower introductions. *Canad. Hort. & Home Mag.* [Floral Ed.] 67: 9-10. Jan. 1944. 80 G16F
- 13155 HORREX, A. J. Potash in gladiolus culture. *Austral. Gard. Lover* 19(7): 17. Oct. 1, 1943. 80 G1615
- 13156 INGWERSEN, WILL. December flowers. *Gard. Chron.* 115: 78. Feb. 19, 1944. 80 G162
- 13157 JENKINS, D. H. The African violet comes of age. Home Gard. [N. Y.] 3(2): 17-18. Feb. 1944. 80 H756
- 13158 JOHNSON, G. W. The ginkgo--the story of a living fossil. *Canad. Hort. & Home Mag.* [Floral Ed.] 67: 12-18. Jan. 1944. 80 C16F
- 13159 JONES, R. W. Orchids for beginners. Amer. Orchid Soc. Bul. 12: 308-311. Feb. 3, 1944. 80 Am329
- 13160 KIPLINGER, D. C. Management of seeds for best germination. South. Florist and Nurseryman 56 (19): 9, 25. Feb. 4, 1944. 80 8086
- 13161 KLEIN, L. G. Latest rating of gladiolus varieties. *Canad. Hort. & Home Mag.* [Floral Ed.] 67: 7-8. Jan. 1944. 80 C16F
- 13162 KLINE, E. L. New hybrid garden lilies. *Florists' Exch.* 102(8): 11. Feb. 19, 1944. 80 F666
- 13163 KNOCK, MRS. A. W. Love apple [*Solanum integrifolium*]. Back to Eden 10(8): 2-3. Mar. 1944. 80 B12  
Ethiopian eggplant, ornamental plant with bright-colored seed pods.
- 13164 KRAUSS, H. K. Palmately leaved begonias, reminiscent of palms, trees and other perennials. *Gard. Chron. Amer.* 48: 50-51, 56. Feb. 1944. 80 G1632
- 13165 KRAUSS, H. K. Sources of information on begonias. *Begonian* 10: 261. Feb. 1944. 96.511 B39
- 13166 KREIGER, A. T. Bogs where you want them; some simple ways of creating a miniature swamp where wetland wildflowers will feel quite at home. Home Gard. [N. Y.] 3(2): 30-31. Feb. 1944. 80 H756
- 13167 KUHN, C. F. The leopard does not change its spots. *Gladiolus* [New England *Gladiolus* Soc.] (1944) 19: 68-72. 96.43 N44  
Review of the common causes of apparent "reversion" in gladiolus.



- 13168 LUCK, JULIUS. Planting trees on roads and highways. *Canad. Florist* 39: 39. Feb. 5, 1944. 80 C163
- 13169 MCCARTAN, J. A winter [ornamental] garden. *Gard. Chron.* 113: 73-74. Feb. 20, 1943. 80 G162
- 13170 MCKINLAY, CHLORIS. Visiting your neighbor. "Bonnie Brae" in Puerto Rico. *Amer. Orchid Soc. Bul.* 12: 304-307. Feb. 3, 1944. 80 Am329
- 13171 MANNING, L. E. Early blooming woody plants. *Gard. Chron. Amer.* 48: 41. 53. Feb. 1944. 80 G1632
- 13172 MARRIAGE, KATHLEEN. *Aquilegia saximontana*. *Amer. Rock Gard. Soc. Bul.* 2(1): 6-7. Jan. Feb. 1944. 81 Am342
- 13173 \*MATA, MIGUEL DE. La rosa: su multiplicación por injerto. *Surco [Madrid]* 1(4): 7-8. June 1942. 15 Su7
- 13174 MAULDIN, M. P. Anthracite coal ashes for rooting cuttings [of ornamental plants]. *Science* 99: 145. Feb. 18, 1944. 470 Sci2
- 13175 MELTON, MRS. T. S. Bulb culture and care. *Gard. Gossip* 19(2): 4-5. Feb. 1944. 80 G1625
- 13176 \*MORA, MARICRU DE LA. E. adorno de la casa. *Surco [Madrid]* 2(12): 23-24. Feb. 1943. 15 Su7
- Use of house plants.
- 13177 MOSES, A. L. Gladiolus for cut flowers. *Florists' Exch.* 102(10): 9. Mar. 4, 1944. 80 F666
- 13178 NOYES, F. B. Notes on cacti out of doors. Part II. *Cactus and Succulent Jour.* 16: 10. Jan. 1944. 451 C11
- 13179 ODELL, J. H. Classification, disease and other problems discussed at Pittsburgh Gladiolus Conference. *Florists' Exch.* 102(8): 7. Feb. 19, 1944. 80 F666
- 13180 FERRINE, U. R. Gladiolus of Palestine. *Gladiolus [New England Gladiolus Soc.]* (1944) 19: 26-32. 96.43 N44
- 13181 PESCOFF, E. E. Unusual propagation of trees. *Stock and Land* 33(50): 2. Dec. 15, 1943. 49 St63
- 13182 PIESTER, E. A. Springtime and roses. *Flower Grower* 31: 141-142. Mar. 1944. 80 M72
- 13183 POOS, M. L. A pretty yard isn't expensive. *Farmer-Stockman* 57: 126. Mar. 1944. 6 Ok45
- 13184 PRESTON, ISABELLA. The rock garden -- at the Central Experimental Farm. *Canad. Hort. & Home Mag. [Floral Ed.]* 67: 5-6. Jan. 1944. 80 C16F
- 13185 PRESTON, ISABELLA. Roses -- at the Central Experimental Farm. *Canad. Hort. and Home Mag. [Floral Ed.]* 67: 25-26. Feb. 1944. 80 C16F
- 13186 PURDY, CARL. *Epilobium obcordatum*. *Amer. Rock Gard. Soc. Bul.* 2(1): 12. Jan./Feb. 1944. 81 Am342
- 13187 REINELT, FRANK. *Primula polyantha*. (To be cont.) *Begonian* 10: 255. Feb. 1944. 96.511 B39
- 13188 RIES, VICTOR. Easy way to start new plants, shrubs [by using propagating outfit]. *Better Homes & Gardens* 22(7): 80-81. Mar. 1944. 80 F9424
- 13189 ROBERTS, WINSTON. Varieties I have found useful in hybridizing. *Gladiolus [New England Gladiolus Soc.]* (1944) 19: 75-80. 96.43 N44
- 13190 ROOD, A. A. A few techniques in the handling of orchid seeds and seedlings. *Amer. Orchid Soc. Bul.* 12: 294-299. Feb. 3, 1944. 80 Am329
- 13191 SARETT, LEW. How to grow dahlias. *Flower Grower* 31: 138-139, 162. Mar. 1944. 80 M72
- 13192 SCHEER, GEORGE. How do new gladiolus originate? *Gladiolus [New England Gladiolus Soc.]* (1944) 19: 62-67. 96.43 N44
- 13193 SCULL, E. Some worth-while little-grown perennials. *Canad. Hort. & Home Mag. [Floral Ed.]* 67: 8. Jan. 1944. 80 C16F
- 13194 SCULL, MRS. W. The *Liriodendron tulipifera* (tulip tree). *Back to Eden* 10(8): 3. Mar. 1944. 80 B12
- 13195 SMITHERS, MRS. C. D. A new way to germinate delphinium seed. *Gard. Club Amer. Bul.* 20(8th Ser.), p. 34. Feb. 1944. 90.36 G16
- 13196 STEPHENS, P. T. Big possibilities seen for Georgia-improved lily. *South. Florist and Nurseryman* 56(20): 3-4. Feb. 11, 1944. 80 So86
- 13197 STIRLING, W. *Cypripedium fair Maude*. *Orchid Rev.* 52(607): 6-7. Jan. 1944. 80 Or15
- 13198 STIRLING, W. *Oncidium harrisonianum*. *Orchid Rev.* 52(607): 18, 20. Jan. 1944. 80 Or15
- 13199 STUART, J. E. B. How to grow dwarf trees. *Back to Eden* 10(8): 5. Mar. 1944. 80 B12
- 13200 STUART, J. E. B. Fleurisy root [*Asclepias tuberosa*]. *Back to Eden* 10(7): 2-3. Feb. 1944. 80 B12
- 13201 STUART, N. W. Propagating lily scales in sphagnum. Rapid and successful method. *Florists' Rev.* 93(2410): 21-22. Feb. 3, 1944. 80 W41
- Also in *South. Florist and Nurseryman* 56(19): 5-6. Feb. 4, 1944. 80 So86
- 13202 SUTHERLAND, M. Neglected natives [wild flowers for gardens]. *Canad. Hort. & Home Mag. [Floral Ed.]* 67: 29-30. Feb. 1944. 80 C167
- 13203 TEW, W. S. The showy winter cherry. *Pop. Gard.* 45: 386. Jan. 22, 1944. 80 G1622
- False Jerusalem cherry, *Solanum capsicastrum*.
- 13204 THATCHER, A. E. Cheerful winter coloring. *Gard. Chron. Amer.* 48: 37. Feb. 1944. 80 G1632
- Ornamental shrubs with colored stems for winter effect.
- 13205 THATCHER, A. E. *Eustoma russellianum* [Russell prairie gentian]. *Gard. Chron. Amer.* 48: 91. Mar. 1944. 80 G1632
- 13206 THATCHER, A. E. *Viburnums* I would grow. *Gard. Chron. Amer.* 48: 77, 79. Mar. 1944. 80 G1632
- 13207 TIEDJENS, V. A. Better [house] plants with glazed pots. *Horticulture* 22: 77. Feb. 15, 1944. 80 H787
- 13208 TURNER, FRANCIS. Management of nursery crops [evergreens and shrubs]. *Amer. Nurseryman* 79(5): 7, 35-39. Mar. 1, 1944. 80 Am371
- 13209 U. S. PATENT OFFICE. Plant patents. 5 Nos. 1944. 156.65 P69
- Contents: No. 613. Byrum, R. L. Rose plant. 2 p., 1 col. pl. Patented Feb. 1; No. 615. Jones, J. H. Phlox. 1 p., 1 col. pl. Patented Feb. 15; No. 616. Byrum, R. L. Rose plant. 2 p., 1 col. pl. Patented Feb. 15; No. 617. Byrum, R. L. Rose plant. 2 p., 1 col. pl. Patented Feb. 15; No. 618. Spera, Louis. Rose plant. 2p., 1 col. pl. Patented Feb. 22.
- 13210 VOSBURG, J. S. Plantly speaking -- in the shade. [Painted Abutilon.] *Begonian* 10: 263. Feb. 1944. 96.511 B39
- 13211 WALKDEN, ANNICE. *Coelogyne mooreana*. *Orchid Rev.* 52(607): 24-25. Jan. 1944. 80 Or15
- 13212 WALKDEN, ANNICE. *Vanda kimballiana*. *Orchid Rev.* 52(607): 7-8. Jan. 1944. 80 Or15
- 13213 WALKER, MRS. H. Keep on growing them-- lilacs from seed. *Canad. Hort. & Home Mag.* 67(1): 10, 18. Jan. 1944. 80 C16F
- 13214 WALKER, V. N. The Upper-Middle South considers rock gardening. *Amer. Rock Gard. Soc. Bul.* 2(1): 14-15. Jan./Feb. 1944. 81 Am342
- 13215 WALL, P. F. "Live" fences without batteries; stock-proof hedges as substitute for barbed wire. *Farmer's Weekly [Bloemfontein]* 66: 602-603. Dec. 15, 1943. 24 F225



- 13216 WEDELL, C. F. Keep plants in scale. Gard. Chron. Amer. 48: 43. Feb. 1944. 80 G1632
- 13217 WEINARD, B. F. F., WINGERT, J. B., and HALL, S. W. Rose production under 3 growing methods. South. Florist and Nurseryman 56(19): 15-16. Feb. 4, 1944. 80 So86
- Experiment with (1) soil top-watered with hose, (2) soil sub-irrigated, (3) using nutrient solution culture method.
- 13218 WELLS, J. B. Border carnations. Gard. Chron. 115: 80-81. Feb. 19, 1944. 80 G162
- 13219 WERLE, HENRY. How to grow specimen fuchsias for shows. Begonian 10: 257. Feb. 1944. 96.511 B39
- 13220 WHERRY, E. T. Ten American Polemoniums for the rock garden. Amer. Rock Gard. Soc. Bul. 2: 8-11. Jan./Feb. 1944. 81 Am342
- 13221 WHITEHEAD, S. B. Beautiful flowering trees. Field 183: 176. Feb. 12, 1944. 10 F45
- 13222 WHITEHEAD, S. B. Heath and heather gardening. Field 183: 20. Jan. 1, 1944. 10 F45
- 13223 WILCOX, R. S. New easy-to-grow roses. Farmer 62(4): 28. Feb. 19, 1944. 6 F2211
- 13224 WILCOX, R. S. Roving with roses. Minn. Hort. 72: 13. Jan. 1944. 80 M66
- 13225 WILLIAMS, B. E. Cacti - their habits and growth. Northwest Gard. 11(2): 18-20. Feb. 1944. 80 N813
- 13226 WOOD, C. W. Variety in the perennial nursery. (To be cont.) Amer. Nurseryman 79(5): 29-30, 31. Mar. 1, 1944. 80 Am371
- 13227 WOOD, MRS. L. H. Camellias--old-fashioned plants for the home. Gard. Chron. Amer. 48: 36. Feb. 1944. 80 G1632
- 13228 WRIGHT, G. A. Shrub roses that need no coddling. House & Gard. [Greenwich, Conn.] 85(3): 24-25, 96, 104-105. Mar. 1944. 80 H81
- 13229 WRIGHT, P. H. The most interesting rose in the world [Harrison's Yellow]. Amer. Rose Mag. 5: 140-141. Jan./Feb. 1944. 80 Am327A
- 13230 WRIGHT, RICHARDSON. Lilacs for your door-yards. House & Gard. [Greenwich, Conn.] 85(3): 36-37, 91, 99. Mar. 1944. 80 H81
- 13231 WYMAN, DONALD. Ten vines for every purpose. Home Gard. [N. Y.] 3(2): 43-45. Feb. 1944. 80 H756
- Small Fruits
- 13232 BLACKMON, G. H. Dormancy care gives more grapes. Pruning and fertilizing boost yield and quality. Fla. Grower 52(2): 12. Feb. 1944. 80 F6622
- 13233 \*BRANAS, J. Le débourrement. Prog. Agr. et Vitic. 60: 88-91. Mar. 21/28, 1943. 14 P94
- Effect of temperature on spring growth of grapes.
- 13234 \*BRANAS, J. Rapport présenté au comité régional de la production agricole (Région de Montpellier). Prog. Agr. et Vitic. 60: 31-35, 45-50. Jan. 24/31, Feb. 7/14, 1943. 14 P94
- Report on grapes.
- 13235 \*BRANAS, J. Le remplacement des manquants dans les vignes greffées. Prog. Agr. et Vitic. 60: 179-182. Oct. 24/31, 1943. 14 P94
- 13236 \*BRANAS, J., BERNON, G., and LEVADOUX, L. La sortie. Prog. Agr. et Vitic. 60: 134-138. May 2/9, 1943. 14 P94
- Mathematical growth formulae for grapes.
- 13237 GILLIES, G. H. Fruits for the home garden [small fruits]. Gard. Chron. Amer. 48: 73-74. Mar. 1944. 80 G1632
- 13238 \*GOETZ, O. Ausweitung des erwerbsberd-beeranbaues 1943. Mitt. f. die Landw. 58: 863. Oct. 16, 1943. 18 D48M
- 13239 LYON, A. V. Pruning [small fruit]. Austral. Dried Fruit News 20(2): 4. May 1943. 286.83 Au72
- 13240 LYON, A. V. Sultana [grape] development. Austral. Dried Fruit News 20(1): 12. Jan. 1943. 286.93 Au72
- 13241 MORRISON, G. E. Blueberries unlimited. A post-war project for northern Minnesota. Conserv. Volunteer 7(38): 43-46. Jan./Feb. 1944. 279.8 C765
- 13242 NIVEN, L. A. Making a success with grapes. Prog. Farmer, Tex. Ed. 59(3): 16, 52. Mar. 1944. 6 T311
- 13243 RANA, EDUARDO. Cultivo de las fresas. Campo [Argentina] 28(325): 43-43, 63. Nov. 1943. 9 C15
- 13244 SLATE, GEORGE. Blueberries for the home garden. Amer. Agr. 41: 82. Feb. 19, 1944. 6 Am3
- 13245 SLATE, GEORGE. New strawberries. Amer. Agr. 41(3): 11. Feb. 5, 1944. 6 Am3
- 13246 STEUK, W. K. Delaware versus Catawba grapes in Ohio. Ohio Agr. Expt. Sta. Bimo. Bul. 29(225): 41-42. Jan./Feb. 1944. 100 Ch3S
- 13247 TOBAL, M. A. Hay que sembrar moreras blancas. Campo [Argentina] 28(325): 44. Nov. 1943. 9 C15
- 13248 TOMALIN, T. E. For the small fruit grower. Cordon gooseberries are profitable. Pop. Gard. 45: 390. Jan. 29, 1944. 80 G1622
- 13249 TUCKER, D. A. Going ahead with small fruits. Va. Fruit 32: 99-102. Jan. 1944. 81 V81B
- 13250 WILCOX, A. N., ALDERMAN, W. H., and HARALSON, F. E. New grape varieties named. Minn. Hort. 72: 4-6. Jan. 1944. 81 M66
- 13251 WITHROW, W. A. Strawberries at Walberta Farm. Rural New-Yorker 103: 118, 126. Mar. 4, 1944. 6 R88
- Vegetable and Truck Crops (Including Potatoes)
- 13252 ALLEN, E. J. Work [Victory] garden now. Ark. Farmer 46(1): 21. Jan. 1944. 6 Ar42
- Two plots advised for insect and disease control.
- 13253 ANDREAS, H. R. Onion seed, good and bad. Prog. Farmer, Tex. Ed. 59(3): 20. Mar. 1944. 6 T311
- 13254 ARENS, H. T. West Hartford's war gardens. Recreation 37: 620-622. Feb. 1944. 280.58 P69
- Victory gardens of West Hartford, Conn., 1943.
- 13255 BALLARD, W. R. New vegetable varieties for 1944. South. Planter 105(2): 20-21. Feb. 1944. 6 So89
- 13256 BERGER, G., and BOUHELIER, R. Sur un essai de culture de pommes de terre au Maroc. Rev. Agr. de l'Afrique du Nord 41: 68-69. Apr. 16, 1943. 80 R326
- 13257 BJORNSETH, E. H. Favored vegetables. Florists' Rev. 93(2411): 20. Feb. 10, 1944. 80 W41
- 13258 BRAMHILL, G. G. Growing sweet potatoes in Norfolk County [Southern Ontario]. Farmer's Advocate and Home Mag. 79: 130. Feb. 24, 1944. 7 F22
- 13259 BROOKS, A. N. Crops get disinfectant-happy on pet seed treatment. South. Seedsman 7(2): 14, 42. Feb. 1944. 61.8 So8
- Vegetable reaction to seed disinfectants.
- 13260 BROWN, H. D. Recent researches of interest to vegetable growers. Veg. Growers Assoc. Amer. Ann. Rpt. 1943: 24-33. 81 V52
- 13261 BROWN, J. J. Quality in vegetables. Varieties for the epicure. Gard. Illus. 44: 275. Feb. 1944. 80 G169
- 13262 BUCKLEY, K. H. Commercial sweet corn in Mississippi. Market Growers Jour. 73: 48, 66-67. Feb. 1944. 6 M34
- 13263 BURDETT, J. H. Victory garden for foods with biggest "wallop." Carefully select what goes in to your garden. Fla. Grower 52(2): 11, 20. Feb. 1944. 80 F6622
- Plant for high vitamin content.



- 13264 BURKHARDT, G. E. The Victory garden; plans and preparations. Gard. Chron. Amer. 48: 90. Mar. 1944. 80 G1632
- 13265 CARLETON, R. M. You'd better grow soybeans. Better Homes & Gardens 22(7): 19, 78. Mar. 1944. 80 F9424
- Grown as vegetable.
- 13266 CHESLEY, C. H. Grow these unusual vegetables too. Gard. Chron. Amer. 48: 74-75. Mar. 1944. 80 G1632
- 13267 CHUPP, CHARLES. Grow healthy vegetable seedlings. [N. Y.] Cayuga Co. Farm & Home Bur. News 30(2): 12. Feb. 1944. 275.293 N. Y. Cayuga Co.
- 13268 CHUPP, CHARLES. The tomato plant [seed] bed. [N. Y.] Dutchess Co. Farm Bur. News 26(7): 8. Jan. 1944. 275.293 N. Y. Dutchess Co.
- 13269 COMBER, H. F. Sweet corn. Gard. Chron. 115: 68. Feb. 12, 1944. 80 G162
- 13270 COMBS, O. B. Vegetable varieties for the home garden. Wis. Hort. 34: 126-127. Feb. 1944. 80 W752
- 13271 COULTER, F. C. Pre-planting reflections [on vegetable gardening]. Flower Grower 31: 168, 169. Mar. 1944. 80 M72
- 13272 DAVIS, W. O. Growing [vegetable] plants for sale. Market Growers Jour. 73: 49. Feb. 1944. 6 M34
- 13273 DAWSON, C. D. R. Sweet corn. Gard. Chron. 115: 27. Jan. 15, 1944. 80 G162
- 13274 DIMOCK, A. W. Better plants for Victory gardens. Canad. Florist 39: 43-44. Feb. 5, 1944. 80 G163
- 13275 ECKHARDT, R. C., FARISH, L. R., and CURENY, E. A. New hybrids of sweet corn for the South. Miss. Farm Res. 7(1): 1, 2. Jan. 1944. 100 M69M1
- 13276 ELLIOTT, CLARENCE. Sweet corn Golden Standard. Gard. Chron. 115: 27. Jan. 15, 1944. 80 G162
- 13277 ELLIS, M. K. Planting pointers [for vegetables]. Calif. Cult. 91: 98. Feb. 19, 1944. 6 C12
- 13278 ESCOBAR, ABELARDO. Siete variedades de sandia. Agr. Mex. 59(11): 3-5. Nov. 1943. 8 Ag8
- 13279 FANSTONE, R. M. The [vegetable] crops a heated frame will grow. Pop. Gard. 45: 392. Jan. 29, 1944. 80 G1622
- 13280 FAULKNER, R. P. Vegetables for Midland gardens. Some good varieties for the beginner. Gard. Illus. 44: 274. Feb. 1944. 80 G169
- 13281 FLETCHER, G. A year's supply of greenstuff. Selection of reliable [vegetable] varieties to order. Pop. Gard. 45: 385. Jan. 22, 1944. 80 G1622
- 13282 FUKUSHIMA, TADASHI. 100,000 pounds of vegetables. Hawaii Farm and Home 7(2): 25. Feb. 1944. 25 H3191
- Production of vegetables in school gardens in Hawaii.
- 13283 GIACONI M., VICENTE. La zanahoria. Campesino [Santiago, Chile] 75: 804, 819. Dec. 1943. 9.3 Sol2
- 13284 GOMES, E. C. A experimentação da ervilha na Estação Fitotécnica da Fronteira. Rev. Agron. [Porto Alegre, Brazil] 7: 543-544. Oct. 1943. 9.2 R325
- 13285 GRAVES, HARRY. Plant a bigger [Victory] garden. Dakota Farmer 64: 85. Feb. 19, 1944. 6 D14
- 13286 GREEN, E. B. Feed and seed from same potato. Farmer & Stock-Breeder 58: 104. Jan. 18, 1944. 10 F228
- 13287 HANCOCK, MRS. J. W. Barrelled tomatoes. Gard. Club Amer. Bul. 20(8th Ser.), p. 35. Feb. 1944. 90.36 G16
- 13288 HASTINGS, W. R. Five new vegetable varieties make bow in '44. Contact 9(4): 2. Dec. 1943. 90 C76
- 13289 HELGESON, BOB. They'll be garden victories in '44. Successful Farming 42(3): 38-39. Mar. 1944. 6 Sul2
- Help in selecting, planning, and planting Victory garden vegetables.
- 13290 HENRY, CARL. How to grow lettuce the year around. Better Homes & Gardens 22(7): 10, 70-71. Mar. 1944. 80 F9424
- 13291 HOCHBAUM, H. W. Victory gardens in 1944. Veg. Growers Assoc. Amer. Ann. Rpt. 1943: 73-74, 76-78, 80-84. 81 V52
- 13292 HOPPERT, E. H. Vegetable varieties; adapted strains produce best. Nebr. Farmer 86(4): 4. Feb. 19, 1944. 6 N27
- 13293 ING, E. G. Tomato trials at Perdiswell, 1943. Worcestershire Agr. Chron. 11: 341, 343, 345, 347. Nov. 1943. 10 W892
- 13294 ISBELL, C. L. The '44 dark horse. Alabama No. 1 pole snap bean. South. Seedsman 7(2): 13, 37, 44. Feb. 1944. 61.8 So8
- 13295 ISSOURIBEHENE, PEDRO. Prácticas recomendables para obtener buena semilla de papa. Campo [Argentina] 28(325): 22-23. Nov. 1943. 9 C15
- 13296 JANSEN, J. A. Cultivation of melons in Iceland. Gard. Chron. 115: 67. Feb. 12, 1944. 80 G162
- 13297 LIEBIG, W. E. Producing vegetables on commercial lines. So. Austral. Dept. Agr. Jour. 47: 223-226. Dec. 1943. 23 So84
- 13298 LOCKE, L. F. Western Oklahomans can grow gardens. Farmer-Stockman 57: 60. Feb. 1944. 6 Ok45
- 13299 MARIN, LUIS. Cultivo del chicharo. Mag. Financ. Ilus. "Yucatan" 1(3): 19, 24. Dec. 1, 1943. 73.8 M27
- 13300 MONOSMITH, R. O. The start of a southern Victory garden. Home Gard. [N. Y.] 3(2): 40-42. Feb. 1944. 80 H756
- 13301 MOORE, W. D. Southern-grown tomato plants. Market Growers Jour. 73: 40, 57. Feb. 1944. 6 M34
- 13302 NICKERSON, THOMAS. Soilless Victory garden. N. Mex. Mag. 22(3): 16-17, 35, 36. Mar. 1944. 288.8 N46
- 13303 NIVEN, L. A. Better ways with sweet potatoes. Prog. Farmer, Tex. Ed. 59(3): 28-29. Mar. 1944. 6 T311
- 13304 O'BRIEN, H. R. Why Glad growers never starve. Gladiolus [New England Gladiolus Soc.] (1944) 19: 11-13. 96.43 N44
- Vegetables mix well with gladiolus.
- 13305 ORCHARD, H. H. Preparation for the main potato crop. So. Austral. Dept. Agr. Jour. 47: 159-162. Nov. 1943. 23 So84
- 13306 PRATT, A. J. What's new in vegetables. Gard. Chron. Amer. 48: 39. Feb. 1944. 80 G1632
- 13307 RAPHAEL, T. D. Green peas; notes on recent trials. Tasmanian Jour. Agr. 14: 117-120. Nov. 1, 1943. 23 T182T
- 13308 REBOUR, H. Caractères des variétés potagères américaines. Rev. Agr. de l'Afrique du Nord 41: 77-78. Apr. 30, 1943. 80 R326
- 13309 REID, DAVID. Vegetable growing on 1,000 Scottish acres. Farmer & Stock-Breeder 58: 106-107. Jan. 18, 1944. 10 F228
- 13310 RIEMAN, G. H. Potato varieties for Wisconsin. Wis. Hort. 34: 116. Feb. 1944. 80 W752
- 13311 ROCKWELL, F. F. 8 ways to a bigger and better [Victory] garden in 1944. McCall's 71(4): 72. Jan. 1944. 110 M12
- 13312 ROCKWELL, F. F. How to make a [vegetable] planting plan. Home Gard. [N. Y.] 3(2): 19-21. Feb. 1944. 80 H756



## MISCELLANEOUS ECONOMIC PLANTS

- 13313 ROCKWELL, F. F. The Solanum garden tribe—tomatoes, peppers and "eggs." Home Gard. [N. Y.], 3(2): 54-58. Feb. 1944. 80 H756
- 13314 ROMSHE, F. A., CORDNER, H. B., and HINRICH, HERMAN. More and better vegetables; no extra work. Farmer-Stockman 57: 120. Mar. 1944. 6 Ok45
- 13315 ROSSO, H. D. El cultivo del ajo. Campo [Argentina] 28(325): 30-31. Nov. 1943. 9 C15
- 13316 SCHNEIDER, G. W. Planting the Victory garden. N. Mex. Ext. News 24(1): 4, 7. Jan. 1944. 275.29 N463Ex
- 13317 SHEWELL-COOPER, W. E. Big crops of spinach [and celery]. New Health 19(2): 20. Feb. 1944. 449.8 N45
- 13318 SHEWELL-COOPER, W. E. Early preparation for parsnips and peas. New Health 19(1): 20. Jan. 1944. 449.8 N45
- 13319 SHEWELL-COOPER, W. E. New varieties of sprouts and tomatoes. Field 93: 204. Feb. 19, 1944. 10 F45
- 13320 SMITH, R. W. Hints for the Victory gardener. 12-14. Organic Gard. 3(6): 6-8; 4(1): 4-6; 4(2): 8-10; 4(3): 11-13. Nov., Dec. 1943, Jan., Feb. 1944. 56.8 Or3
- 13321 SPENCER, R. C. Sweet corn. Gard. Chron. 115: 61. Feb. 5, 1944. 80 G162
- 13322 STEPHENS, T. A. England's fifth year. English gardeners increasingly dig for victory. House & Gard. [Greenwich, Conn.] 85(3): 28, 90. Mar. 1944. 80 H81
- 13323 STRAUGHAN, W. R. Pumpkins, squashes and marrows, and grammas. Queensland Agr. Jour. 57: 325-333. Dec. 1943. 23 Q33
- 13324 TAYLOR, H. V. Royal Air Force food production [vegetable gardens]. Agriculture (Gt. Brit. Min. Agr. Jour.) 50: 449-452. Jan. 1944. 10 G79J
- 13325 THOMAS, E. K. Tampala — a new vegetable. Home Gard. [N. Y.], 3(2): 89. Feb. 1944. 80 H756
- 13326 TOMALIN, T. E. How to raise onions in the greenhouse. Pop. Gard. 45: 416. Feb. 19, 1944. 80 G1622
- 13327 TOMALIN, T. E. It pays to sow these [vegetables] early. Pop. Gard. 45: 408. Feb. 12, 1944. 80 G1622
- 13328 TOMALIN, T. E. Sow early peas and beans in a cold frame or even out-of-doors. Pop. Gard. 45: 384. Jan. 22, 1944. 80 G1622
- 13329 TOWNSEND, MRS. PAUL. A small [vegetable] garden. Amer. Agr. 41(5): 10. Mar. 4, 1944. 6 Am3
- 13330 VAUGHAN, R. E. Victory gardeners and treated seed. Wis. Hort. 34: 127. Feb. 1944. 80 W752
- 13331 \*WAGNER, MAX. Die kartoffelsorte "Ackersegen"—ein beitrag zu ihrer wertbeurteilung. Mitt. f. die Landw. 58: 746. Sept. 11, 1943. 18 D48M
- 13332 WHITEHEAD, S. B. The garden in frost and snow. Field 133: 72. Jan. 15, 1944. 10 F45
- 13333 WOODBURY, G. W. Vegetable seed production in Idaho. Market Growers Jour. 73: 46, 58-59. 69. Feb. 1944. 6 M34
- 13334 WOODWARD, H. R. Water cress. N. and S. Dak. Hort. 17: 20. Feb. 1944. 81 N817
- 13335 WORK, PAUL. Vegetables to plant. Amer. Agr. 41: 86-87. Feb. 19, 1944. 6 Am3
- 13336 YEAGER, A. F. Squashes of many kinds. The number of varieties now available is remarkably large. Horticulture 22: 75. Feb. 15, 1944. 80 H787
- 13337 YEAGER, A. F. Tomatoes. Flower Grower 31: 147, 174-175. Mar. 1944. 80 M72

## General

- 13338 FRANCIS, W. D. Edible trees and shrubs. 3. Queensland Bottle tree [Brachychiton rupestris]. Queensland Agr. Jour. 57(6): 349-350. Dec. 1943. 23 Q33
- 13339 \*GALKIN, K. A. Kamfarnyi basilik v gor'kovskoi oblasti i khimicheskii sostav ego éfir-nogo masla [Camphor basil, Ocimum canum, in the Gorki district and the chemical composition of its essential oil]. Gor'kii. Gosud. Selsk. Khos. Inst. Trudy (Gor'kii. State Inst. Agr. Papers) 4: 187-221. 1943. 106 B414T
- 13340 GELBEKE, C. A. Two forgotten plants [chicory and Roman camomile]. Standard Rabbit Jour. 17(5): 4, 13. Feb. 1944. 40.28 St2
- 13341 HERMANN, F. J. Rotenone. (To be concl.) Chemurg. Digest 3: 36-39. Jan. 31, 1944. 381 N213Na
- 13342 HUNZIKER, A. T. Las especies alimenticias de Amaranthus y Chenopodium cultivadas por los indios de América. Rev. Argentina de Agron. 10: 257-354. Dec. 1943. 9 R327
- 13343 \*LARUE, PIERRE. Une plante à graisse et à protéine, le carthame. Prog. Agr. et Vitic. 60: 128-129. Apr. 18/25, 1943. 14 P94
- 13344 LEON, JORGE. Informe sobre los cultivos de adlay en la región de Tilarán (Guanacaste) 1942. Costa Rica. Inst. de Defensa del Café. Rev. 13(107/108): 601-612. Oct. 1943. 68.28 C82
- 13345 NOTT, JAMES. Report on hop variety trials, 1943. Worcestershire Agr. Chron. 11: 331, 333, 335. Nov. 1943. 10 W892
- 13346 VEGA GARCIA, J. F. El piretro. Agr. Mod. [Habana] 1(2): 21. July 1943. 8 Ag882
- 13347 WAINWRIGHT, MRS. E. L. The papaw, Asimina triloba. Back to Eden 10(7): 2. Feb. 1944. 80 B12
- 13348 ZAYAS, FERNANDO DE. Las algas y su importancia económica. (To be cont.) Agr. Mod. [Habana] 1(5/6): 14. Oct./Nov. 1943. 8 Ag882

## Drug, Herb, and Condiment Plants

- 13349 \*CORTESE, RODOLPHE. Peut-on remplacer le Strophantus? Pharm. Acta Helvetiae 18: 215-228. May 29, 1943. Ref., p. 227-228. 396.8 P4933
- Nerium oleander suggested as substitute.
- 13350 COULTER, F. C. Herbs. How to grow them in your garden. House & Gard. [Greenwich, Conn.] 85(3): 34, 86-88. Mar. 1944. 80 H81
- 13351 \*CRUZ LAPAZARAN, JOSÉ. Cultivo de la menta. Surco [Madrid] 2(10): 5-7. Dec. 1942. 15 Su7
- 13352 \*GAMIR, A. El ricino. Surco [Madrid] 1(10): 20-21. Dec. 1942. 15 Su7
- 13353 GARRICK, MARCIA. Twelve herbs to ring the dinner bell. Home Gard. [N. Y.], 3(2): 34-36. Feb. 1944. 80 H756
- 13354 GOLDBERG, H. C. The Aloe vera plant. Arch. Dermat. and Syph. 49: 46. Jan. 1944. 448.8 Ar242
- Description of plant and the therapeutic use of its leaves.
- 13355 HOEHNE, F. C. A importância das quineiras e a viabilidade de sua cultura no Brasil. Rev. Rural Bras. 23(277): 24-26. Sept. 1943. 9.2 B733
- 13356 LIMA, A. O., and GRECO, J. B. Alergia polínica no Brasil. (To be cont.) Brasil-Med. 57: 406-408. Oct. 2/9, 1943. 448.8 B73
- 13357 POPENOE, WILSON. Cinchona. Costa Rica. Dept. Nac. de Agr. Bol. Téc. 42, 23 p. San Pedro de Montes de Oca, 1943. 102 C822



- 13358 \*SCHMOTKIN, A., and SCHMIED, E. Essai de culture de *Chenopodium ambrosioides* L. var. *anthelminticum* Gray. Remarques sur la valeur et le dosage de l'essence de chénopode. Schweiz. Apoth. Ztg. 81: 221-224. Apr. 10, 1943. 396.8 Sch9
- 13359 \*VERDA, A. La coltivazione del *Ricinus communis*. Schweiz. Apoth. Ztg. 81: 269-274, 289-293. May 8, 15, 1943. 396.8 Sch9

#### Dye and Tannin Plants

- 13360 \*SPOONER, R. C. Szechwen indigo. Jour. West China Border Res. Soc. 14 (Ser. B): 102-118. 1943.

#### Rubber Plants

- 13361 \*BALANDIN, D. A., and KOLESNIKOV, B. P. K kharakteristike bereakletov primorskogo kraia kak guttaperchenosov [Concerning the characteristics of *Euonymus verrucosa* Scop. in the Primorskii region as a source of gutta-percha]. Sovet. Bot. 1943, No. 4, p. 42-54. 450 So8
- 13362 BRESSMAN, E. N. El Caucho? Natural o sintético? Costa Rica. Inst. de Defensa del Café. Rev. 14(109/110): 26-32. Nov./Dec. 1943. 68.28 C82
- 13363 MILLINGTON, A. J. Rubber production in relation to Western Australia. West. Austral. Dept. Agr. Jour. 20: 196-200. Sept. 1943. 23 W52J
- Includes history of guayule cultivation in U. S. and Western Australia.

#### Weeds and Poisonous Plants

- 13364 ACREE, FRED, JR., JACOBSON, MARTIN, and HALLER, H. L. *Amorpha fruticosa* contains no rotenone. Science 99: 99-100. Feb. 4, 1944. 470 Sci2
- 13365 BRECHLEY, W. E. Weed control and the dormancy of weed seeds. Agriculture (Jour. Min. Agr. Ct. Brit.) 50: 452-455. Jan. 1944. 10 G79J
- 13366 DALLMAN, A. A. *Ambrosia artemisiifolia* L. [ragweed]. North West Nat. 18: 214-215. Sept. 1943. 410 N81
- 13367 FRY, H. S. They work underground. A story of the struggle for existence among the roots of plants as told in the work of the Laboratory of Plant Ecology, University of Saskatchewan. Country Guide 62(6): 8, 30-32. June 1943. 7 G76
- Studies of root systems (especially of weeds) made by T. K. Pavlychenko and his associates.
- 13368 HANGER, FRANCIS. Weeds. Gard. Chron. 115: 51, 58. Jan. 29, Feb. 5, 1944. 80 G162
- 13369 LOUIS-MARIE, PERE. La salicaire VI. Rev. d'Oka 18: 35-38. Jan./Feb. 1944. 7 Ok1
- Purple loosestrife, *Lythrum salicaria*.
- 13370 LOUNSBURY, T. F. Weeds! weeds! weeds! Successful Farming 42(2): 26, 48. Feb. 1944. 6 Sul2
- Identification and control.
- 13371 MCCARTAN, J. Control of weeds by sulphuric acid. Gard. Chron. 115: 60. Feb. 5, 1944. 80 G162
- 13372 SALISBURY, E. J. The bracken problem. Scot. Jour. Agr. 24: 220-223. Jan. 1944. 10 Sco82So
- 13373 SAXBY, S. H. Weeds. (To be cont.) New Zeal. Jour. Agr. 67: 407-410. Dec. 15, 1943. 23 N48J

#### Perennial weeds.

- 13374 \*SCHROPP, W. Über die wirkung des bors auf einige unkräuter. Bodenk. u. Pflanzenernähr. 30: 381-392. 1943. 384 Z343A
- 13375 THWAITES, T. W. Progress in weed control. Spreckels Sugar Beet Bul. 8(1): 5-6. Jan./Feb. 1944. 66.8 Sp7
- 13376 TISDALE, W. H. Ammonium sulphamate (Du Pont weed killer). Va. Fruit 32: 40-42. Jan. 1944. 81 V81B

### SOILS AND FERTILIZERS

#### SOIL SCIENCE

- 13377 \*FABRY, RICHARD. Bodenkunde im schulunterricht. Bodenk. u. Pflanzenernähr. 29: 28-34. 1943. 384 Z343A
- 13378 GOLENKINA, K. I. Iz vospominaniy o V. R. Vil'iamsa [Reminiscences about V. R. Vil'iamsa]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 23-33. Moskva, 1942. 56 Ak12
- 13379 PRASOLOV, L. I. Pochvovedenie Vil'iamsa [The soil science of Vil'iamsa]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 21-22. Moskva, 1942. 56 Ak12
- 13380 \*SCHMITT, L. Neuere ergebnisse der bodenuntersuchungs-sonderaktion. Bodenk. u. Pflanzenernähr. 29: 245-252. 1943. 384 Z343A
- 13381 SEREBRIAKOV, B. P. Nekotorye osobennosti ucheniya o pochve akad. V. R. Vil'iamsa [Several characteristics of academician V. R. Vil'iamsa's soil teaching]. In Akad. nauk. Sbornik pamiati V. R. Vil'iamsa, p. 483-487. Moskva, 1942. 56 Ak12
- 13382 \*VAGELER, P. Probleme der tropischen und subtropischen bodenkunde in ihrer bearbeitung im laboratorium und auf dem feld. Bodenk. u. Pflanzenernähr. 29: 34-40. 1943. 384 Z343A
- 13383 \*VAGI, STEFAN. Forschungsprobleme der forstlichen bodenkunde in Ungarn. Intersylva 3: 21-28. Jan. 1943. 99.9 In87
- 13384 \*VALENTE-ALMEIDA, L. A. Bodenkundliche forschungen in Portugal. Bodenk. u. Pflanzenernähr. 29: 41-49. 1943. 384 Z343A
- 13385 VIL'IAMS, V. R. Perspektivnaia programma rabot otdela biologii pochvy Instituta Agropochvovedeniia Vaskhnil [The perspective program of work of the department of soil biology in the Agro-Soil Science Institute of Vaskhnil]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 3-10. Moskva, 1942. 56 Ak12

#### Soil Physics

- 13386 \*BEHR, G. Über die vorbehandlung der böden bei der bestimmung der korngrossenverteilung. Jour. f. Landw. 89: 48-63. 1943. 18 J825
- 13387 DOLGOV, S. I., and IANNIKOV, A. N. Ispytanie vodoprochnosti pochvennoi struktury dozhdevaniem [Testing of water percolation of soil structure with a lysimeter]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 369-375. Moskva, 1942. 56 Ak12
- 13388 \*GLIEMEROTH, GEORG. Der wasserhaushalt eines lösslehm-bodens und seine beeinflussung durch pflanzenbestand und bodenbearbeitung. Jour. f. Landw. 89: 1-31, 150-160. 1943. 18 J825
- 13389 \*KÖTTGEN, P. Über die abhängigkeit des leichtlöslichen teils der nährstoffe von dem jeweiligen wassergehalt des bodens. Bodenk. u. Pflanzenernähr. 29: 323-342. 1943. 384 Z343A
- 13390 LETUNOV, P. A., MUZYCHNIK, I. F., and LAPSHINA, A. N. Peredvizhenie soli s kapillarno-podveshennoi vodoi [Transmission of salts by capillary-suspended water]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 247-265. Moskva, 1942. 56 Ak12
- 13391 NIKOL'SKIY, N. N. K voprosu o stroenii pochvennykh agregatov [About the formation of soil aggregates]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 377-382. Moskva, 1942. 56 Ak12
- 13392 TIMOFEEV, V. P. Vlieniye sostava lesnaya-zhdenii na vlazhnost' pochvy [The influence of the species of forest plantings on soil moisture]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 383-397. Moskva, 1942. 56 Ak12



- 13393 \*ZUNKER, F. Bestimmung des nutzbaren was-serhaltewerts des bodens nach dem absaugverfahren. Bodenk. u. Pflanzenernähr. 29: 342-353. 1943. 384 Z343A

#### Soil Chemistry and Mineralogy

- 13394 \*ALTEN, F., and LOOFMANN, H. Möglichkeit-en, art und wirkung der anlagerung von flüssigkeiten, gasen und ionen am sorptionskomplex und folgen für die ackerbaulichen eigenschaften der böden. Bodenk. u. Pflanzenernähr. 31: 125-128. 1943. 384 Z343A  
Reply to W. von Nitzsch.
- 13395 \*HERRMANN, R. Zusammenfassender bericht über die überprüfung der schnellmethoden zur bestim-mung des pflanzenaufnehmbaren kaliums und der appa-ratur von Riehm-Lange, Berlin-Zehlendorf. Bodenk. u. Pflanzenernähr. 29: 252-274. 1943. 384 Z343A
- 13396 \*JACOB, A. Untersuchungen über die zusammensetzung der tonfraktion des bodens. Bodenk. u. Pflanzenernähr. 29: 219-232. 1943. 384 Z343A
- 13397 KARPECHENKO, D. P. K voprosu opredeleniya summy pogloshchennykh kationov metodom elektrodializa [On the question of determining the sum of absorbed cations by electrodialysis]. In Akad. nauk. Sbornik pam'iaty akad. V. R. Vil'iamsa, p. 361-366. Moskva, 1942. 56 Ak12
- 13398 MACINTIRE, W. H. The effect of liming materials upon the solubility of potassium compounds in the soil. Amer. Fert. 99(13): 7-9. Dec. 18, 1943. 57.8 Am3
- 13399 \*MATTSON, SANTE. The oxidation-reduction condition in vegetation, litter and humus: I. Reduc-tion capacity, oximetric titration and liming toxic-ity. Uppsala. Landbr.-Högskolan. Ann. 11: 135-144. 1943. 104 Up6
- 13400 MERKLE, F. G., and DUNKLE, E. C. Soluble salt content of greenhouse soils as a diagnostic aid. Amer. Soc. Agron. Jour. 36: 10 - 19. Jan. 1944. 4 Am34P
- 13401 \*NIKLAS, H. Kolorimetrische schnellst-methoden zur bestimmung des phosphorsäurehaushaltes des böden. Bodenk. u. Pflanzenernähr. 29: 310-322. 1943. Ref., p. 321-322. 384 Z343A
- 13402 OLSON, L.C., and BLEDSOE, R.P. Available potash in the surface soils of Georgia. Better Crops with Plant Food 28(1): 20-22, 39-41. Jan. 1944. 6 B46
- 13403 \*PAVLOVSKI, GH., MAVRODINEANU, R., and IONESCU, I. Zur methodik der bestimmung des aus-tauschbaren kaliums. Bodenk. u. Pflanzenernähr. 29: 300-309. 1943. 384 Z343A
- 13404 \*RIEHM, HANS. Untersuchungen über die zweckmäßigste art der probenahme für chemische bodenkontrolle. Bodenk. u. Pflanzenernähr. 29: 275-291. 1943. 384 Z343A
- 13405 \*SAIDEL, THEODOR. Deutungen experimenteller ergebnisse bei umtauschreaktionen. Bodenk. u. Pflanzenernähr. 29: 232-244. 1943. 384 Z343A
- 13406 \*SCHACHTSCHABEL, P. Die bildung und bestimmung der tonminerale. Bodenk. u. Pflanzener-nähr. 29: 213-219. 1943. 384 Z343A
- 13407 \*SIEGEL, O. Über den sorptionskomplex landwirtschaftlich genutzter böden Afrikas. Bodenk. u. Pflanzenernähr. 29: 100-107. 1943. 384 Z343A
- 13408 \*VALKANOV, VLADIMIR. Untersuchungen über das vorhandensein von aufnehmbarer phosphorsäure auf wiesenland in verschiedenen bodenschichten nach feld- und gefäßversuchen und nach dem keimpflanzenverfah-ren nach Neubauer. Bodenk. u. Pflanzenernähr. 31: 11-55. 1943. Ref., p. 52-55. 384 Z343A  
Dissertation, Breslau.
- 13409 VOLK, G. W. Availability of rock and other phosphate fertilizers as influenced by lime and form of nitrogen fertilizer. Amer. Soc. Agron. Jour. 36: 46-56. Jan. 1944. 4 Am34P

- 13410 WILLIAMS, E.G. Phosphate fixation in soils. Amer. Fert. 99(11): 5-8. Nov. 20, 1943. 57.8 Am3
- 13411 WILLIAMS, E. G., and STEWART, A. B. Studies on phosphate fixation in Scottish soils. I. The recovery of added phosphate from a soil of the acid igneous group. Jour. Agr. Sci. [England] 33: 179-189. Oct. 1943. 10 J822

#### Soil Microbiology

- 13412 BERTULLO, W. A. Los métodos microbiológi-cos para la apreciación de la fertilidad del suelo. Corporación Frutícola Argentina. Rev. Ofic. 9 (106): 19-26. Oct. 31, 1943. 83 C81
- 13413 DOROKHOVA, N. A. Vliyaniye gribov rizos-fery na obrazovanie prochnykh agregatov pochvy [The influence of the Rhizopus fungi on the formation of firm soil aggregates]. Akad. nauk. Sbornik pam'iaty akad. V. R. Vil'iamsa, p. 219-234. Ref. Moskva, 1942. 56 Ak12
- 13414 \*FRANZ, HERBERT. Die tätigkeit der klein-tierre im boden und wirtschaftsdünger und ihre bedeut-ung für das dauergrünland. Pflanzenbau 20: 1-27. July 1943. Ref. 18 P48
- 13415 \*HAHNE, J. Stickstoffdüngung und hülsen-fruchtbau. Mitt. f. die Landw. 58: 810-812. Oct. 2, 1943. 18 D48M
- 13416 HORNER, C. K., and ALLISON, F. E. Utiliza-tion of fixed nitrogen by Azotobacter and influence on nitrogen fixation. Jour. Bact. 47: 1-14. Jan. 1944. 448.3 J82
- 13417 TAKUBOV, T. F. Materialy k mikrobiologi-cheskoi kharakteristike peskov i peschanykh pochv polupustyn' i pustyn' SSSR [Information on the micro-biological character of sands and of the sandy soils of semi-deserts and deserts of USSR]. In Akad. nauk. Sbornik pam'iaty akad. V. R. Vil'iamsa, p. 235-246. Moskva, 1942. 56 Ak12
- 13418 KANIVETS, I. I. O "zonakh" vzaimodeyst-viya korneyvykh sistem i mikroorganizmov v pochve v svyazi s protsessami strukturoobrazovaniya [About "zones" of interaction of root systems and micro-organisms in soil in connection with the processes of structure formation]. In Akad. nauk. Sbornik pam'iaty akad. V. R. Vil'iamsa, p. 155-175. Ref. Moskva, 1942. 56 Ak12
- 13419 \*MEYER, L. Experimenteller beitrag zu makrobiologischen wirkungen auf humus- und boden-bildung. Bodenk. u. Pflanzenernähr. 29: 119-140. 1943. 384 Z343A
- 13420 \*MINENKOV, A. P. Vliyaniye azotobaktera na rastitel'nyy i zhivotnyy organizm [The effect of azo-tobacter on plant and animal organism]. Gor'kiy. Gosud. Selak. Khov. Inst. (Gor'kiy. State Inst. Agr. Papers) 4: 3-20. 1943. 106 B414T
- 13421 \*OBRAZTSOVA, A. A. Ob effektivnosti azo-tobakterina [About the effectiveness of azotobacter]. Gor'kiy Gosud. Selak. Khov. Inst. Trudy (Gor'kiy. State Inst. Agr. Papers) 4: 21-56. 1943. 106 B414T
- 13422 \*TORSTENSSON, G. Zur nitrifikation schwedischer ackerböden. Bodenk. u. Pflanzenernähr. 29: 162-168. 1943. 384 Z343A

#### Soil-Plant Relationships and Soil Requirements

- 13423 \*MATTSON, SANTE, and KOULTER-ANDERSSON, ELISAVETA. The acid-base condition in vegetation, litter and humus: VI. Ammonia fixation and humus ni-trogen. VII. The acid-base condition during growth of wheat, barley and red clover. Uppsala. Landbr.-Högskolan. Ann. 11: 107-134, 207-217. 1943. 104 Up6
- Soil Genesis, Formation, Classification, and Mapping
- 13424 ALBRECHT, W. A. Missouri university makes interesting soil survey. Wool quality depends on soil fertility. Midwest Wool Growers News 13 (1): 4-5. Jan. 1944. 45.8 M58



13425 FREITAS, A. J. DE. O estudo do subsolo de Moçambique. Moçambique 8 (29): 31-42. Jan./Mar. 1942. 110 M71

13426 IARKOV, S. P. Klassifikatsiia pochv po mekhanicheskomu sostavu [Classification of soils according to their mechanical composition]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 129-140. Moskva, 1942. 56 Ak12

13427 IARKOV, S. P. Skhema klassifikatsii pochv dornovo-podzolistoi zony v svete ucheniia akad. V. R. Vil'iamsa [Scheme of soil classification in the turf-podzolic zone in the light of the teaching of academician V. R. Vil'iams]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 103-199. Moskva, 1942. 56 Ak12

13428 IARKOV, S. P. Skhema klassifikatsii pochv lesostepnoi i chernozemnoi lugovostepnoi zon [Scheme of soil classification in the forest-steppe and chernozem meadow-steppe soils]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 121-128. Moskva, 1942. 56 Ak12

13429 KUBIENA, W. Beiträge zur bodenentwicklungslehre: Entwicklung und systematik der rendzinen. Bodenk. u. Pflanzenernähr. 29: 108-119. 1943. 384 Z343A

13430 LETUNOV, P. A. Pochvy Volgo-Akhtubinskoi doliny i del'ty Volgi [The soils of the Volgo-Akhtubinsk valley in the Volga delta]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 433-481. Moskva, 1942. 56 Ak12

13431 MERSHIN, A. P. K izucheniiu pochv khanty-mansiiskogo okruga omskoi oblasti [About soil study in the Khanty-Mansiisk district of the Omsk region]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 345-359. Moskva, 1942. 56 Ak12

13432 MONTARLOT, G. Au sujet d'une action particulière des végétaux dans la formation du sol. Prog. Agr. et Vitic. 119: 216-218. June 27, 1943. 14 P94

13433 PCHELIN, N. S. Rol' bakterii i lichainikov v pervichnom pochvoobrazovatel'nom protsesse v svete ucheniia akad. V. R. Vil'iamsa [Role of bacteria and lichens in the first soil-forming process in the light of the teaching of academician V. R. Vil'iams]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 99-102. Moskva, 1942. 56 Ak12

13434 PERSHINA, M. N. Peski levoberezh'ia Severnogo Donetsa Lisichanskogo raiona [The sands of the left bank of Severny Donets of the Lisichanskii region]. In Akad. nauk. Sbornik pamiati V. R. Vil'iamsa, p. 413-425. Moskva, 1942. 56 Ak12

13435 VAN DER MERWE, C. R. Soil groups and subgroups of South Africa. Union So. Africa Dept. Agr. Sci. Bul. 231, 316 p. Pretoria, 1941. 24 So84S

#### SOIL MANAGEMENT

13436 CULWICK, A.T. Fundamental economics of export crops. East African Agr. Jour. 9: 69-72. Oct. 1943. 24 Ea74

Management of soils.

13437 KELLOGG, C. E. What is the war doing to our soils? Country Gent. 114 (3): 11, 40, 42. Mar. 1944. 6 C833

13438 KREUTZ, W. Beitrag zur erforschung des boden- und bodennahen klimas im Emslandmoor in anlehnung an bedürfnisse der praxis. Jour. f. Landw. 39: 81-112. 1943. 18 J825

13439 PALMER, E. F., and VAN HAARLEM, J. R. Orchard soil management. Ontario. Dept. Agr. Bul. 437, 45 p. Toronto, 1944. 101 On8B

13440 SORGEL, K. F. Landeskultur in der Ukraine. Deut. Landeskultur.-Ztg. 12: 85-86. Aug./Sept. 1943. 18 D484

13441 WIEPKING-JÜRGENSMANN, H. F. Welchen beitrage kann die landschaftsgestaltung zur bodenbetrachtung leisten? Bodenk. u. Pflanzenernähr. 29: 13-27. 1943. 384 Z343A

#### Soil Fertility

13442 ALBRECHT, W. A. Soil acidity - a nutrient deficiency. Sci. Monthly 58: 237-238. Mar. 1944. 470 So123

13443 ALBRECHT, W. A. Soil fertility and soybean production. Soybean Digest 4(1): 6-7. Jan. 1944. 60.38 So9

13444 ARANY, A. Die verbesserungsmöglichkeiten bei ungarischen szikköden. Bodenk. u. Pflanzenernähr. 29: 50-74. 1943. Ref. 384 Z343A

13445 ARKHXANGEL'SKIĬ, N. V. Izvestkovanie lesostepnykh pochv [Liming of forest-steppe soils]. Gor'kiĭ. Gosud. Selak. Khoz. Inst. Trudy (Gor'kiĭ. State Inst. Agr. Papers) 4: 57-71. 1943. 106 B414T

13446 BAĬKO, V. P., and POPAZOV, D. I. K voprosu o vliianii smesi mnogoletnikh trav i otdel'nykh komponentov na vosstanovlenie usloviĭ plodorodiia pochvy [On the effect of mixtures of perennial plants and individual specimens on the restoration of conditions for soil fertility]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 291-305. Moskva, 1942. 56 Ak12

13447 BAILEY, R. Y. Lespedeza builds land. Prog. Farmer, Miss.-Ark.-La. Ed. 59(3): 14. 27. Mar. 1944. 6 So81

13448 BEACH, F. H. Use nitrogen fertilizer for bigger crop of fruit. Ohio Farm Bur. News 23(7): 22-23, 33. Feb. 1944. 6 Oh34

13449 BEAUCHAMP, C. E. La relación entre el color y la productividad del terreno. (Cont.) Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 210-211. Jan. 1944. 65.9 As5B

13450 BECKERICH, ABEL. Théories modernes sur la fertilization des sols et la fumure des cultures. Génie Rural, July/Aug. 1943, p.7-8. 58.6 Au8

13451 BERKNER, F. Der einfluss der bodenstim-mung auf ertrag und güte der rispenhirse. Pflanzenbau 20: 40-48. July 1943. 18 P48

13452 BEWLEY, W. F. The use of straw in glass-house soils. Ann. Appl. Biol. 30: 399-400. Dec. 1943. 442.8 An72

13453 BRADFORD, L.A. Good burley soil. South. Agr. 74(3): 16. Mar. 1944. 6 So83

13454 BREWBAKER, H. E., and WOOD, R. R. New method assures more efficient use of phosphate with manure. Through the Leaves 32 (1): 25-26. Jan./Feb. 1944. 66.8 T41

13455 BROWN, R. E. Use of ammonium nitrate in potato fertilizers. Amer. Potato Jour. 21: 1-5. Jan. 1944. 75.8 P842

13456 BRÜNE, FR. Müssen die moorwiesen und -weiden auch in kriegszeiten ausreichend gedüngt werden. Deut. Landeskult.-Ztg. Beilage: Mitt. f. Moor-wirtschaft 8: 5-6. Feb. 1, 1943. 18 D484

13457 BUSHINSKIĬ, V. P. Korennaiia peredelka poch - osnovna sozdaniia effektivnogo ikh plodorodiia [A radical transformation of soils - the basis of creating their effective fertility]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 41-62. Moskva, 1942. 56 Ak12

13458 CHAPMAN, C. J., and TRUOG, EMIL. Nitrogen fertilization for early and abundant pastures. Place order for this fertilizer now if interested. Hoard's Dairyman 89: 110-111. Feb. 25, 1944. 44.8 H65

13459 COOK, L. J. Lucerne on reddish sands at Wokurna. So. Austral. Dept. Agr. Jour. 47: 208-209. Dec. 1943. 23 So84

Use of superphosphate as fertilizer.

13460 CZIBULKA, FRITZ. Die kalkdüngung im kriege. Mitt. f. die Landw. 58: 795. Sept. 25, 1943. 18 D48M



- 13461 DAVIES, W. M. Lime in agriculture. Soc. Chem. Indus. Jour. Chem. and Indus. No.4, p. 32-33. Jan. 22, 1944. 382 M31C
- 13462 ENDERS, CURT. Wie entsteht der humus in der natur? Chemie 56: 281-285. Oct. 16, 1943. 384 Z33
- 13463 FERRERES, H. M., and TRUMBLE, H. C. Exploratory investigations of soil deficiencies by means of small pot cultures. Austral. Inst. Agr. Sci. Jour. 9: 179 - 182. Dec. 1943. 23 Au74
- 13464 GREEN, J. R. When to fertilize alfalfa. Calif. Cult. 91: 107. Feb. 19, 1944. 6 C12
- 13465 HANLEY, F. Sowing seed and fertilizer together. Agriculture (Jour. Min. Agr. Ct. Brit.) 50: 493-496. Feb. 1944. 10 G79J
- 13466 HOPKINS, D. P. The battle for the soil. Fert., Feed. Stuffs and Farm Supplies Jour. 30: 51, 53, 55, 60. Feb. 2, 1944. 57.8 F413
- Continued discussion of Lady Eve Balfour's book.
- 13467 JONES, EARL. Fertilizer recommendations for Ohio farms this spring. Ohio Farm Bur. News 23 (7): 20-21. Feb. 1944. 6 Oh34
- 13468 \*MARX, A. Die südbessarabischen böden im hinblick auf ihre landwirtschaftliche nutzung. Bodenk. u. Pflanzenernähr. 29: 75-94. 1943. Ref. 384 Z343A
- 13469 \*MICHAEL, G. Zum problem einer steigerung des eiweißgehaltes der kartoffel durch stickstoffdüngungsmaßnahmen. Eine vorläufige mitteilung. Bodenk. u. Pflanzenernähr. 30: 56-63. 1943. 384 Z343A
- 13470 MOORE, E. L., and CAMPBELL, J. A. Fertilizer practices for profit from commercial cabbage, peas, tomatoes. Miss. Farm Res. 7 (1): 1, 4-6. Jan. 1944. 100 M69M1
- 13471 MUNTZ, H.H. Effects of compost and stand density upon longleaf and slash pine nursery stock. Jour. Forestry 42: 114-118. Feb. 1944. 99.8 F768
- 13472 NIKOL'SKIĬ, N. N. K voprosu o razvitii kislotnosti pochvy, kak sledstviia pochvoolbrazovatel'nykh protsessov, i roli rastitel'nykh format'sil [Concerning the development of soil acidity as the result of soil forming processes, and the role of vegetation]. In Akad. nauk. Sbornik pamiat'i akad. V. R. Vil'iamsa, p. 427-432. Moskva, 1942. 56 Ak12
- 13473 \*OPITZ, K. Über die wechselwirkung der nährstoffe kali und phosphorsäure im boden und in der pflanze. Bodenk. u. Pflanzenernähr. 30: 345-360. 1943. 384 Z343A
- 13474 \*PODVALKOV, A. I.A. Lugovoi torf kak neposredstvennoe udobrenie pod farovuiu pshenitsu na podzolistykh [Meadow peat as a direct fertilizer for spring wheat on podsolch soils]. Gor'kiĭ. Gosud. Selak. Khoz. Inst. Trudy (Gor'kiĭ. State Inst. Agr. Papers) 4: 73-91. 1943. 106 B414T
- 13475 \*PRECHT, HANS. Gründung und zwischenfruchtbau mit weisklee. Mitt. f. die Landw. 58: 550. July 10, 1943. 18 D48M
- 13476 ROBERTS, O. P. Carbon County [Montana], field and fertilizer tests will yield more beans for the Army. Mont. Farmer 31(12): 1. Feb. 15, 1944. 6 M764
- 13477 ROBINSON, G. W. The use of lime. Roy. Agr. Soc. England Jour. 104: 136-144. Dec. 1943. 10 R81
- 13478 ROGERS, W.S. Plants and their water supply. Planters' Chron. 38: 499-500. Dec. 4, 1943. 22 P693
- 13479 ROST, C.O., and BURSON, P.M. Soil upkeep in wartime farming. Minn. Farm and Home Sci. 1(2): 8-9. Feb. 15, 1944. 100 M668
- 13480 RUSSELL, E. J. Soils and fertilizers. Roy. Agr. Soc. England Jour. 104: 55-66. Dec. 1943. Ref. 10 R81
- Research during 1942.
- 13481 SANDERSON, E. V. Artificials produced a soil slump. Organic Gard. 4(2): 22-23. Jan. 1944. 56.8 Or3
- From the Compost Club Magazine [New Zealand].
- 13482 \*SEKERA, F., and BRUNNER, A. Beiträge zur methodik der gareforschung. Bodenk. u. Pflanzenernähr. 29: 169-212. 1943. 384 Z343A
- "Aus dem arbeitskreis I/15 des forschungsdienstes: 'Wasser- und Nährstoffhaushalt des Bodens.' Federführender: Prof. Dr. Mitscherlich."
- 13483 STODDARD, C. D. More air power to legumes. Successful Farming 42(5): 23, 40-41. Mar. 1944. 6 Sul2
- 13484 \*STOLBERG-WERNIGERODE, A. G. ZU. Mehr stickstoff und humus aus dem eigenen betriebe! Mitt. f. die Landw. 58: 662-663. Aug. 14, 1943. 18 D48M
- 13485 \*SÜCHTING, HEINRICH. Gdteverbesserung der waldböden und steigerung der holzerzeugung durch kalkung. Intersylva 3: 1-20. Jan. 1943. 99.9 In87
- 13486 TARUNTAeva, A. A. Rol' mnogoletnikh trav v sozdanii uslovii plodorodiia pochv [The role of perennials in creating conditions for soil fertility]. In Akad. nauk. Sbornik pamiat'i akad. V. R. Vil'iamsa, p. 307-315. Moskva, 1942. 56 Ak12
- 13487 TEAKLE, L.J.H. Nitrate of soda; its use in agriculture. West. Austral. Dept. Agr. Jour. 20: 222-224. Sept. 1943. 23 W52J
- 13488 VALLANCE, L. G. Blood and bone for tomatoes. Queensland Agr. Jour. 57: 347-348. Dec. 1943. 23 Q33
- 13489 VINES, C. A. Improve soil with winter legumes. Ark. Farmer 46(2): 6. Feb. 1944. 6 Ar42
- 13490 \*WAGNER, MAX. Der hanf, ein kulturbringer des niederungsmoores. Deut. Landeskult.-Ztg. Beilage: Mitt. f. Moorwirtschaft 8: 21-22. Aug./Sept. 1943. 18 D484
- 13491 WALTERS, D. V. Results of manurial trial at Red Cliff. Austral. Dried Fruit News 29(3): 15. Sept. 1943. 286.83 Au72
- 13492 \*WITTICH, W. Untersuchungen über den verlauf der streuzersetzungen auf einem boden mit mulzustand II. Forstarchiv 19(1/2): 1-18. Jan. 15 1943. 99.8 F7723
- Continuation of an article published in this magazine in 1939.
- Soil Tilth and Tillage
- 13493 ALBRECHT, W.A. Go ahead and plow. Farm Jour. 68(3): 30. Mar. 1944. 6 F2212
- 13494 ALBRECHT, W. A. Plowman's wisdom. Home Garden 3: 13-16. Feb. 1944. 80 H756
- 13495 ANDERSON, DARWIN. Surface mulch conserves water. Your Farm 2(5): 7-8. Mar. 1944. 6 Y8
- Condensed from the Weekly Kansas City Star.
- 13496 BENNETT, H.H. Evolution of the plow. Agr. Leaders' Digest 25(2): 16-18. Feb. 1944. 275.28 Am3
- Trends of tillage on lands where erosion is a primary factor.
- 13497 BRADFIELD, RICHARD, and FAULKNER, E. H. To plow... or not to plow. House & Garden [Greenwich Conn.], 85(3): 30-31, 100-102. Mar. 1944. 80 H81
- 13498 FAULKNER, E. H. No plow needed! Surface tillage will result in better quality products. Food Packer 25: 43, 62. Feb. 1944. 286.83 C165
- 13499 FAULKNER, E. H. Plowless methods for the livestock breeder. East. Breeder 5 (10): 19. Mar. 1944. 49 V81
- 13500 HALL, J.W. Double-digging versus single-digging. Gard. Chron. 115: 38-39. Jan. 22, 1944. 80 G162
- 13501 JOINT COMMITTEE ON SOIL TILTH. A report on soil tilth research. Agr. Engin. 25: 48, 51. Feb. 1944. 58.8 Ag83



13502 KALE, K. S. Trash mulching of sugarcane. Indian Sugar 6: 184-186. May 1943. 65.8 In25

13503 \*LEDERER, MAX. Ist die moorkultur in gegenwart und zukunft wirklich eine überholte angeheit? Deut. Landeskult.-Ztg. Beilage; Mitt. f. Moorwirtschaft 12: 18-20, 22-23. June, Aug./Sept. 1943. 18 D484

13504 LYON, A. V. Dry mulch surface of soils. Austral. Dried Fruit News 20 (4): 20. Dec. 1943. 286.82 Au72

13505 MENEZES SOBRINHO, A. Cultivo racional do solo. Rev. Agron. 7: 550-553. Oct. 1943. 9.2 R325

13506 \*NARTSISSOV, V. P. Vliyaniye povysheniya rabochikh skorostei traktora na kachestvo vspashki i urozhai [The influence of increased working speeds of the tractor on the nature of the plowing and harvest]. Gor'kiy. Gosud. Selsk. Khoz. Inst. Trudy. (Gor'kiy. State Inst. Agr. Papers) 4: 123-145. 1943. 106 B414T

13507 OGANESIAN, A. P. Zavisimost' udel'nogo soprotivleniya pri vspashke na razlichnykh glubinu ot strukturnosti pochvennogo profilja [Dependence of specific resistance in plowing at a different depth on the structure of the soil profile]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 283-290. Moskva, 1942. 56 Ak12

13508 \*POPZAOV, D. I. K voprosu o neobkhodimosti oborachivaniya verkhnego sloia pochvy pri osnovnoi vspashke [About the necessity of upturning the top layer of the soil in the initial plowing]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 267-282. Moskva, 1942. 56 Ak12

13509 \*STELLER, HEINRICH. Bodenbearbeitung in trockengebieten. Mitt. f. die Landw. 58: 812-813. Oct. 2, 1943. 18 D48M

13510 VICKERS, R. J. Faulknerism. East. Breeder 5(10): 51-53. Mar. 1944. 49 V81

#### Drainage, Irrigation, Water Supply and Flood Control

13511 AMERICAN SOCIETY OF CIVIL ENGINEERS. JOINT DIVISION COMMITTEE ON FLOODS. Floods; progress report. Amer. Soc. Civ. Engin. Proc. 70: 167-178. Feb. 1944. 290.9 Am3P

13512 BARAÑAO, T. V. El agua en la agricultura. Prácticas de riego. (Concl.) Rev. Mens. B. A. P. 26(311): 9-11, 13. Oct. 1943. 9 R326

13513 BARAÑAO, T. V. Distribución de la humedad del suelo por efecto de la irrigación. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 31 (767): 11-14. Dec. 31, 1943. 287 R71

13514 BLACKWOOD, B.B. A little more water can make a garden. Farmer-Stockman 57(2): 6. Feb. 1944. 6 Ok45

13515 BOLIVAR, L.A. La campaña del agua. Vida Rural 5(52): 31-32. Nov. 1943. 9.4 V66

13516 BORENSHTEIN, S. I. K voprosu ispol'zovaniya domennykh sklakov v tselakh melioratsii pochvy [About the use of scorification in soil melioration]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 489-493. Moskva. 1942. 56 Ak12

13517 CULPIN, C. Water for farm land and buildings. Worcestershire Agr. Chron. 11: 315, 317, 321, 323. Nov. 1943. 10 W892

13518 DOMINY, J. N. Improvement maintained? Farmers Weekly [London] 20 (5): 29. Feb. 4, 1944. 10 F2226

#### Drainage.

13519 DOMINY, J. N. Running water to fields and buildings. Farmers Weekly [London] 20(7): 31. Feb. 18, 1944. 10 F2226

13520 EXPERIENCES in land reclamation. Roy. Agr. Soc. England. Jour. 104: 80-117. Dec. 1943. 10 R81  
Windson Great Park in wartime, by R. H. Savill and Robert Lindsay; Euston, Thetford, by the Duke of Grafton; Devon, by F. R. Horne; Montgomeryshire, by W. Ellison; Worcestershire, by D. H. Robinson.

13521 \*FRECKMANN, W. Untergrundbewässerung oder beregnung? Bodenk. u. Pflanzenernähr. 29: 353-361. 1943. 384 Z343A

13522 \*GIRARDIN. Comment augmenter le rendement des sols humides par la pratique du drainage. Génie Rural, June 1943, p.10-11. 58.8 Au8

13523 GLANVILLE, E. B. Reclamation of tidal flats. New Zeal. Jour. Agr. 67: 413-417, 419-421. Dec. 15, 1943. 23 N48J

13524 HANCOCK, W. G. Notes on farm and orchard irrigation. Queensland Agr. Jour. 57: 337-343. Dec. 1943. 23 Q33

13525 HAPP, S. C. Effect of sedimentation on floods in the Kickapoo Valley, Wisconsin. Jour. Geol. 52(1): 53-68. Jan. 1944. 403 J82

13526 \*KALBERMATTEN, J. DE. Assainissement des forêts de la vallée supérieure de la Gryonne; résultats obtenus 8 ans après leur exécution. Jour. For. Suisse 94: 217-220. Sept./Oct. 1943. 99.8 J82

13527 KENDALL, R. G. Practical field draining - III. Hedges and ditches. Farm Impl. and Mach. Rev. 69: 813-814. Feb. 1, 1944. 58 Im72

13528 LAMONT, N. Surplus water...good drains make a better farm. New Zeal. Jour. Agr. 68: 1, 3-6. Jan. 15, 1944. 23 N48J

13529 LEADLEY, TOM. Nebraska's future depends on more irrigation. Nebr. Farmer 86(3): 5. Feb. 5, 1944. 6 N27

13530 \*LINCKELMANN, KARL. Das wassergericht von Valencia - als beispiel einer jahrtausende alten einrichtung bäuerlich-wasserwirtschaftlicher selbstverwaltung. Deut. Landeskult.-Ztg. 12: 81-85. Aug./Sept. 1943. 18 D484

13531 \*LINCKMANN. Leistungen der landeskultur, insbesondere der moorkultur für die kriegsernährungswirtschaft. Deut. Landeskult.-Ztg. Beilage; Mitt. f. Moorwirtschaft 8: 1-16. Jan. 1, 1943. 18 D484

13532 MCCOLLY, H.F. The water facilities program in the war effort. Agr. Engin. 25: 43-44. Feb. 1944. 58.8 Ag83

13533 MACLUSKIE, H. Rice growing by empoldering. Developments in Sierra Leone. Farm and Forest 4: 155-160. Dec. 1943. 24 F226

13534 \*MEYER, K. Bodenkunde und bodenpolitik. Bodenk. u. Pflanzenernähr. 29: 2-13. 1943. 384 Z343A

13535 NICHOLSON, H. H. Drainage development in Britain. Worcestershire Agr. Chron. 11: 323, 325, 327, 329, 331. Nov. 1943. 10 W892

13536 NICHOLSON, H. H. Field drainage problem. VI. Mole drainage. VI. The scope of mole drainage. Estate Mag. 44: 12-14, 41-43. Jan.-Feb. 1944. 10 Es8

13537 NICHOLSON, H. H. Modern field drainage. Roy. Agr. Soc. England Jour. 104: 118-135. Dec. 1943. 10 R81

13538 \*OSADCHII, N. I. Optimal'nyi rezhim orosheniya iarovoi pshenitsy v predgornoi zone Chuiskoi doliny [Best irrigation regime for spring wheat in the pre-mountainous region of the Chuisk valley]. Kirghiz Repub. Gosud. Selek. Stants. Trudy 2: 5-24. 1941. 20 K63

13539 RICHARDSON, A. H. Floods; their cause and control. Forest & Outdoors, Feb. 1944, p. 27-28, 32. 99.8 C16

13540 SNYDER, D. W., JR. General observations on flood causes and control particularly with reference to the Missouri Valley. Edison Elect. Inst. Bul. 12: 47-50, 64. Feb. 1944. 335.8 Ed4

13541 SPANGENBERG, G. E. La sequia; zonas más afectadas; medidas a adoptar. Fed. Rural, Uruguay. Rev. (3ra epoca) 6(25): 70-87. Oct. 1943. 9.9 R322

13542 SPENCE, C. C., KRISTJANSON, B. H., and ANDERSON, J. L. Will irrigation farms in Alberta pay the cost of their development? Econ. Annal. 14(1): 9-12. Feb. 1944. 280.8 Ec75  
Profits and returns.



- 13543 \*WANGENHEIM, E. V. Ueber die wiedernutzbarmachung der abrumkippen auf braunkohlenwerken und die dabei gewonnenen erfahrungen, insbesondere bei forstkulturen in der Niederlausitz. Deut. Landes-kult.-Ztg. 12: 86-88. Aug./Sept. 1943. 18 D484
- 13544 WERNIMONT, KENNETH, AULL, G. H., and CLARK, O. M. Agricultural drainage administration in South Carolina; a proposed post-war drainage program. S. C. State Planning Bd. Bul. 13, 39 p. Columbia, 1943. 280.7 So8292B
- 13545 WILLIAMS, M. D. There's a water shortage: nearly eight inches deficiency in four months--stream flows lowest in years. Ind. Farmers' Guide 100(5): 7. Mar. 1, 1944. 6 In2
- 13546 \*ZUNKER, F. Ermittlung der grundwasser-ergiebigkeit. Bodenk. u. Pflanzenernähr. 30: 343-345. 1943. 384 Z343A

#### Erosion and Erosion Control

- 13547 ALTPETER, A.S. Use of vegetation in control of streambank erosion in northern New England. Jour. Forestry 42: 99-107. Feb. 1944. 99.8 F768
- 13548 BENNETT, H. H. Adjustment of agriculture to its environment. Better Crops with Plant Food 28(1): 23-26, 44-48. Jan. 1944. 6 B46
- 13549 BOMBAY (PRESIDENCY) DEPARTMENT OF AGRICULTURE. Contour cultivation and "strip-cropping" in the dry areas of the Deccan. Bombay Dept. Agr. Soil Conserv. and Anti-Erosion Ser. Leaflet 1, 5 p. Poona, 1942. 56.9 B63
- 13550 BREGGER, J. I. Plant fruit trees on contour. Prog. Farmer, Ky.-Tenn. Ed. 59: 13. Feb. 1944. 6 P945K
- 13551 BRIGGS, GLEN. Soil will blow again unless - Prog. Farmer, Tex. Ed. 59 (3): 12. Mar. 1944. 6 T311
- 13552 BRIGGS, GLEN. To seed or to sod? Farm and Ranch 63: 28-29. Mar. 1944. 6 F31
- 13553 BURVILL, G. H., TEAKLE, L. J. H., and JONES, L. T. Soil moisture conservation in vineyards and orchards; its relation to cultivation, cover crops, and weeds. West. Austral. Dept. Agr. Jour. 20: 224-236. Sept. 1943. 23 W52J
- 13554 CLEGHORN, J. W. Will the Union soon have gone with the wind? Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 193, 2 p. Pretoria, 1943. 24 So942P
- 13555 H., D. J. Vital soil factors too often overlooked. Fertility and moisture content under experiment. Measuring the effects of erosion. Farmer's Weekly [Bloemfontein] 66: 648-649. Dec. 22, 1943. 24 F225
- 13556 HÄNSMEIER, M. P. The Reserve SCS is saving soil and water. Mont. Farmer 31 (11): 1, 5. Feb. 1, 1944. 6 M764
- 13557 HENDRICKSON, B. H. Increased acreage of lespedeza, sericea, kudzu needed. Contact 9(4): 6. Dec. 1943. 80 C76
- Legume stubble mulches.
- 13558 HOGE, M. S. Our soil needs a country doctor. Farmer-Stockman 57: 95, 121. Mar. 1944. 6 Ok45
- 13559 HORN, C. L. 4-H club soil conservation camps sponsored throughout the United States. Phil-Farmer, first quarter 1944, p. 2. 6 P53
- 13560 KING, G.H. Soil conservation measured in \$\$\$ Contact 9(4): 4. Dec. 1943. 80 C76
- 13561 LAMB, J., JR., FREE, G. R., and WILSON, H. E., JR. The seasonal occurrence of soil erosion in New York as related to rainfall intensities. Amer. Soc. Agron. Jour. 36: 37-45. Jan. 1944. 4 Am34P
- 13562 LOMAVITU, OTTO. Our land lies in agony from open wounds. Indians at Work 11 (5): 18-24. Jan./Feb. 1944. 156.5 In23
- 13563 MUSSER, R. H. Opportunities for wildlife conservation under new Missouri soil districts law. Mo. Conserv. 5(1): 2-3, 12-13. Jan. 1944. 279.8 M69
- 13564 PERSHINA, M. N. Priroda erozionnykh processov tsentral'noi chasti Kislovodskogo raiona i rol' rastitel'nosti v bor'be s nimi [The nature of the erosional processes of the central part of the Kislovodsk region and the role of vegetation in its control]. In Akad. nauk. Sbornik pamfati akad. V. R. Vil'iamsa, p. 325-333. Moskva, 1942. 56 Ak12
- 13565 RUBBER RESEARCH SCHEME, CEYLON. Contour lining, holing and filling, cutting of platforms, trenches and drains. Rubber Res. Scheme, Ceylon. Advisory Cir. 4, rev., 5 p. Dartonfield, Agalawatta, June 1943. 78.9 R826
- 13566 SHAMSHIN, A. S., and NEDOSEKINA, T. V. Poverkhnostnyy stok talykh vod i smyv pochvy v usloviakh tsentral'noi lesostepi i mery bor'by s nimi (predvaritel'noe soobshchenie) [The surface flow of thawing waters and the washing away of the soil under the conditions in the central forest-steppe and methods of their control (preliminary information)]. In Akad. nauk. Sbornik pamfati akad. V. R. Vil'iamsa, p. 335-343. Moskva, 1942. 56 Ak12
- 13567 SMITH, GENE. They hit the jackpot through soil conservation. Farm and Ranch 63(3): 1, 16. Mar. 1944. 6 F31
- 13568 TABOR, PAUL. Speeding production of new plants for soil conservation. U. S. Soil Conserv. Serv. Soil Conserv. 9: 178, 186. Feb. 1944. 1.6 So3S
- 13569 VERCESI, D.R. Erosion de los suelos. Rev. Fed. Rural 6(25): 57-62. Oct. 1943. 9.9 R322
- 13570 WARING, P. A. Five farmers make a plan. U. S. Soil Conserv. Serv. Soil Conserv. 9: 179-182. Feb. 1944. 1.6 So3S
- Cooperative soil conservation project.
- 13571 WATTS, M.T. Some experiments in soil conservation at the Morton Arboretum. Morton Arboretum Bul. Pop. Inform. 19(1): 1-4. Jan. 1944. 99.9 M84
- 13572 WOODFORD, R.C. Wet and dry terracing in Assam. Planters' Chron. 38: 471-472. Nov. 20, 1943. 22 P693
- 13573 YOAKUM, KENNETH. Sweetclover's unique role in Southwest. U. S. Soil Conserv. Serv. Soil Conserv. 9: 187-189. Feb. 1944. 1.6 So3S
- 13574 ZAKHAROV, P. G. Travopol'naya sistema zemledeliya - osnova bor'by s eroziyey pochvy [Plant rotation system of agriculture - basis of soil erosion control]. In Akad. nauk. Sbornik pamfati akad. V. R. Vil'iamsa, p. 317-324. Moskva, 1942. 56 Ak12

#### MATERIALS FOR SOIL IMPROVEMENT

- 13575 \*BELLON URIARTE, LUIS. Utilizacion de las algas marinas como abono. Surco [Madrid] 2(11): 17-19. Jan. 1943. 15 Su7
- 13576 COLTRANE, D.S. The fertilizer outlook in 1944. Carolina Co-op. 22(2): 4-5. Feb. 1944. 72.8 N81
- 13577 CUMMINGS, R. W. Sources of nitrogen for 1944. Prog. Farmer, Car.-Va. Ed. 59(3): 20. Mar. 1944. 6 P945
- 13578 \*GRIESBECK. Nochmals zum handelsdüngerhärteausgleich 1943/44. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 475. Aug. 28, 1943. 18 B34W
- Explains provisions.
- 13579 HUTCHESON, T. B. What fertilizer and how much per acre? Prog. Farmer, Car.-Va. Ed. 59(3): 16. 54. Mar. 1944. 6 P945
- 13580 LAURIE, ALEX. Fertilizers for the millions. A line-up of facts and prospects for the special guidance of the food gardeners of 1944. Home Garden 3(2): 74-76. Feb. 1944. 80 H756



- 13581 LODGE, F. S. 1944 supply of fertilizer will be largest in U. S. history. Contact 9(4): 1, 6. Dec. 1943. 80 C76
- 13582 PORTER, L. G. The fertilizer situation from a national standpoint. *Citrus Indus.* 25 (2): 14, 16. Feb. 1944. 80 C49
- 13583 PRINCE, F. S. Where do we stand with fertilizers? *Better Crops with Plant Food* 28(1): 6-12, 49-50. Jan. 1944. 6 B46
- 13584 SAUCHELLI, VINCENT. What's in that fertilizer bag? *Better Crops with Plant Food* 28(1): 13-15, 42-44. Jan. 1944. 6 B46
- 13585 SCOTLAND. DEPARTMENT OF AGRICULTURE. The residual values of feeding stuffs and fertilisers. *Scot. Dept. Agr. Misc. Pub.* 7, 8 p. Edinburgh, 1944. 10 Soc82M
- 13586 THORNE, D. W., and PETERSON, H. B. Utah fertilizer recommendations for 1944. *Utah Farmer* 63 (13): 6, 12. Feb. 25, 1944. 6 D45
- 13587 WILLCOX, O. W. Yield-depression effect of fertilizers and its measurement by the universal yield diagram. *Amer. Soc. Agron. Jour.* 36: 20 - 31. Jan. 1944. 4 Am34P
- 13588 WOODS, F. J. The fertilizer situation in Florida. *Citrus Indus.* 24 (7): 3, 7, 10. July 1943. 80 C49

#### Primary Materials (N, P, and K Fertilizers)

- 13589 ALWAY, F. J., and NESOM, G. H. Effectiveness of calcium metaphosphate and fused rock phosphate on alfalfa. *Amer. Soc. Agron. Jour.* 36: 73-88. Jan. 1944. 4 Am34P
- 13590 AMERICAN fertilizer production. Trade and Engin. 54(960): 9. Feb. 1944. 286.8 T482
- Supplies of nitrogen, phosphate, and potash.
- 13591 \*NORDENGREN, SVEN. Framställning av fosfatgödselmedel ur svensk ravara [Manufacture of phosphate from Swedish raw material]. *K. Lantbruksakad. Tidkr.* 82: 42-56. 1943. 104 Sw3
- German summary at end of article.
- 13592 \*PALENCIA, A. G. El problema agrícola del nitrógeno. *Ceres [Spain]* 5(40): 22. July 1, 1940. 15 C33
- 13593 SERVISS, GEORGE. More nitrogen this year. *Amer. Agr.* 41: 101, 113-114. Mar. 4, 1944. 6 Am3

#### Secondary and Minor Element Materials

- 13594 PETERSON, P. D. Soil sulphur. *Home Gard. for South* 4: 27, 34. Feb. 1944. 80 H755

#### Mixed Fertilizers and Fertilizer Technology

- 13595 \*M. Die rückgewinnung von papiersäcken. Landesbauernschaft Niederschlesien. *Wchnbl.* 10: 600. Nov. 13, 1943. 18 Si3
- Sacks for fertilizer.

#### Mineral Soil Amendments (lime, gypsum, etc.)

- 13596 \*KAPPEN, H. Über die möglichkeiten der bodenverbesserung durch braunkohle. *Bodenk. u. Pflanzenernähr.* 29: 361-369. 1943. 384 Z343A

#### Manures and Composts

- 13597 BOND, J. R. Straw compost depends on water. *Farmer & Stock-Breeder* 58: 228. Feb. 8, 1944. 10 F228
- 13598 BRUCE, M. E. "Quick return compost." *Dynamic Gard.* 4(2): 17-20. Jan. 1944. 56.8 Or3
- 13599 \*BUCHER, R. Stallmistherstellung und zusätzliche herstellung von strohkompst bei verschieden starker stroheinstreu. (Untersuchungen über lagerung und wirkung von stalldünger, Teil IX.) *Bodenk. u. Pflanzenernähr.* 30: 63-84. 1943. Ref. 384 Z343A
- 13600 CROWTHER, E. M. Composts, their preparation and value. *Ann. Appl. Biol.* 30: 392-395. Dec. 1943. 442.8 An72

- 13601 ERITH, F. H. What does it cost? A farmer works out the cost of a load of manure in the field. *Farmers Weekly [London]* 20 (6): 31. Feb. 11, 1944.

- 10 F2226
- 13602 GARNER, H. V. Returning straw to the land; compost comparison. *Farmer & Stock-Breeder* 58: 146. Jan. 25, 1944. 10 F228
- 13603 LIVINGSTON, LOUIS. Coastal fertilizers. *Organic Gard.* 3 (6): 16-11. Nov. 1943. 56.8 Or3
- 13604 \*MAIWALD, K. Die weiterverrottung des stalldüngers im boden. [Untersuchungen über lagerung und wirkung von stalldünger, Teil VIII.] *Bodenk. u. Pflanzenernähr.* 29: 140-162. 1943. Ref. 384 Z343A
- 13605 MAYNARD, JACK. Is your farm fertility plant producing at peak capacity? *Through the Leaves* 32(1): 31-32. Jan./Feb. 1944. 66.8 T41
- 13606 \*PFEIL, E., and TRITT, A. Über den landwirtschaftlichen und gärtnerischen nutzwert von müll. *Bodenk. u. Pflanzenernähr.* 29: 370-382. 1943. 384 Z343A
- 13607 RAYNER, M. C. The use and significance of composts in forestry. *Ann. Appl. Biol.* 30: 397-399. Dec. 1943. 442.8 An72
- 13608 RAYNS, F. Straw disposal on the land. *Roy. Agr. Soc. England Jour.* 104: 145-150. Dec. 1943. 10 R81
- 13609 SECRETT, F. A. The use of composts in market-gradening. *Ann. Appl. Biol.* 30: 395-397. Dec. 1943. 442.8 An72
- 13610 TIMSON, S. D. Garden compost. *Rhodesia Agr. Jour.* 40: 358-361. Nov./Dec. 1943. 24 R34
- 13611 \*YEOMAN, JOHN. A simple compost box. New Zealand system which entails only one turning. *Farmer's Weekly [Bloemfontein]* 66: 603. Dec. 15, 1943. 24 F225

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

- 13612 BARBER, W. E. Woodland policy; the state of negotiations. *Estate Mag.* 44: 31-33. Feb. 1944. 10 Es8
- Opinions on post-war forest planning in Great Britain.
- 13613 BURNSIDE, BROOKS. Business looks to forestry. *Ohio Forest News* (40): 4-6. Oct. 1943. 99.8 Oh32
- 13614 COURTHOPE, SIR GEORGE. Post-war forestry. *Tree Lover* 4: 156-157. Winter 1943. 99.8 T712
- Comments on the British Forestry Commissioners' report on post-war forest policy.
- 13615 EASTERBROOK, L. F. We must plan our forests now. *Tree Lover* 4: 158-160. Winter 1943. 99.8 T712
- Aspects of post-war forest planning for Britain.
- 13616 ERICSON, O. F. National forest timber sale procedures and practices. *Timberman* 45(4): 28-29. Feb. 1944. 99.81 T484
- 13617 FLEMING, D. T. A fortune in our forests. *Hawaii Farm and Home* 7(2): 6-7. Feb. 1944. 25H3191
- A plea for commercial reforestation in Hawaii.
- 13618 FORBES, R. D., and BECK, C. W. County forest possibilities in the Anthracite Region of Pennsylvania. *Forest Leaves* 33(6): 1-2. Nov./Dec. 1943. 99.5 F763
- 13619 IRWIN, J. C. W. Forestry problems in reconstruction. *Pulp and Paper Mag. Canada* 45: 90-92. Feb. 1944. 302.8 P96
- 13620 KERR, A. S. Soldier settlement and the timber industry. *Brit. Columbia Lumberman* 28(2): 50 D, 71-72. Feb. 1944. 99.81 B77
- Outlines plan for settlement of logged-over land on Vancouver Island.



- 13621 KIRCHER, JOSEPH. Type of assistance TPWP [Timber Production War Project of U.S. Forest Service] has to offer. *At-Pa Jour.* 6(5): 10. Feb. 1944. 309.8 Am3
- 13622 \*KOSTLER, JOSEF. The present state of the science of forestry in Germany (a survey of the period 1933 to 1940). *Res. and Prog.* 9: 75-101. Mar./Apr. 1943. Ref. 474 B31
- 13623 LAND AGENTS' SOCIETY. Observations... on the proposals contained in H. M. Forestry Commissioners' report on post-war forest policy. *Land Agents' Soc. Jour.* 43: 5-10. Jan. 1944. 282.9 L22
- 13624 MÉNARD, ERNEST. La forêt et les colonies forestières. *Forêt Québécoise* 7: 109-119. Feb. 1944 99.8 F79
- Urges the improvement of the economic and social conditions of forest labor through the establishment of forest villages.
- 13625 OREGON'S postwar forest program. *West Coast Lumberman* 71(2): 78. Feb. 1944. 99.81 W52
- Includes summary of projects with estimated costs.
- 13626 \*OSTWALD, HANS. Zur frage der ermittlung des wertes stehender waldbestände. *Forstwiss. Centbl.* 64: 202-212. Sept. 1942. 99.8 F775
- Methods of forest-stand evaluation.
- 13627 A PLAN for southern forestry adopted by the Southern Forestry Conference in Atlanta, Jan. 20. *South. Lumber Jour.* 48: 20, 75. Feb. 1944. 99.81 So8
- 13628 PIERCE, LAURENS. Balancing Alabama's timber out; corrective measures include tree farms, F. F. A. [Future Farmers of America] reforestation programs. *Ala. Conserv.* 15(8): 6, 13. Feb. 1944. 279.8 All
- 13629 \*RICO, PEDRO. La economía del árbol, agricultura de una España mayor. *Surco* Madrid, No. 7, p. 7-8. Sept. 1942. 15 Su7
- The need for reforestation in Spain.
- 13630 SNELL, EARL. Forestry and private enterprise. *Timberman* 45(4): 124, 126. Feb. 1944. 99.81 T484
- 13631 WATSON, SIR ALFRED. India's wealth in timber. *Gt. Brit. and the East* 61(1707): 16-17. Feb. 12, 1944. 286.8 N27
- Comments on forest policy in India under English and provincial administration.
- 13632 WATTS, L. F. A forest program to help sustain private enterprise. *Jour. Forestry* 42: 81-84. Feb. 1944. 99.8 F768
- 13633 WATTS, L. F. The need for the conservation of our forests. *Jour. Forestry* 42: 108-114. Feb. 1944. 99.8 F768
- 13634 YARHAM, E. R. Britain looks to her woodlands. *Forest & Outdoors*, Jan. 1944, p. 8. 99.8 C16

## FOREST DESCRIPTION AND RESOURCES

- 13635 BOUCHER, GERMAIN. Les richesses forestières des Cantons de l'Est Québec. *Forêt Québécoise* 7: 42-55. Jan. 1944. 99.8 F79
- 13636 COSTELLO, J. W. The forest conditions of south Ilorin [Nigeria]. *Farm and Forest* 4: 194-196. Dec. 1943. 24 F226
- 13637 \*\*FINE WOODS from all the world in the post-war age of commerce; America's huge merchant fleet will help meet the difference between sound forest harvest and post-war demand; recent surveys report vast supplies in Central and South America. *Wood Construct.* 30(1): 22-23, 26. Jan. 1, 1944. (Madison Sub-Branch Libr.)
- 13638 \*GAUTIER, M. Les ressources forestières de l'Afrique du Nord. *Rev. Internatl. du Bois* 10: 30-36. Mar. 1943. 99.8 R326

- 13639 MARTEL, J. P. Situation forestière dans les comtés d'Abitibi et du Témiscamingue. *Forêt Québécoise* 7: 56-60. Jan. 1944. 99.8 F79
- 13640 NEWMAN, L. E. Forest depletion in recent years [in New Hampshire]. *Forest Notes* 8: 10, 12. Jan. 1944. 99.8 F7691
- 13641 NORWAY. INFORMATION OFFICE. Norwegian survey...The Germans and the Norwegian forests. *Tree Lover* 4: 164-165. Winter 1943. 99.8 T712
- 13642 PICKLESIMER, P. W. Forest in the new bright tobacco belt of North Carolina. *Econ. Geog.* 19: 276-278. July 1943. 278.8 Ec7
- 13643 TINKER, E. W. Pulpwood - the paper industry's No. 1 problem. *Paper Mill News* 67(7): 17. Feb. 12, 1944. 302.8 P195
- 13644 \*VAN AARTSEN, J. P. Statistics on African forests and woods. *Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis.* 44: 683-883. Feb. 1943. 251 In8B
- 13645 \*\*WATTS, L. F. U. S. A. forest resources. *Austral. Timber Jour.* 9: 340-341, 343-344, 347, 359. Oct. 1943. (Madison Sub-Branch Libr.)

## Individual Genera and Species

- 13646 CARRE, P. T. Cork from California; how steps are being taken to increase emergency supplies. *Wine Rev.* 12(1): 15-16, 17, 21, 23. Jan. 1944. 390.8 W722
- Includes list of mature cork-oak trees and plantations in California, by counties.
- 13647 \*LUZE, J. J. DE. Le châtaignier, essence à propager. *Jour. Forest. Suisse* 94: 222-226. Sept./Oct. 1943. 99.8 J82
- 13648 STEARNS, J. L. Paulownia as a tree of commerce. Can this fast-growing Asiatic tree, valued as an ornamental, be successfully developed in this country as a source of lightweight lumber? Here are its possibilities. *Amer. Forests* 50: 60-61, 95-96. Feb. 1944. 99.8 F762
- 13649 WEICK, LOUISE. California grows cork. *Hawaii Farm and Home* 7(2): 7. Feb. 1944. 25 H3191
- Brief account of California cork-planting project.

## FOREST ADMINISTRATION AND MANAGEMENT

- 13650 ALLISON, J. E. Cutover forests ask only a chance. *Minn. Farm and Home Sci.* 1(2): 11-12. Feb. 15, 1944. 100 M668
- 13651 CHAPMAN, H. H. Fire and pines; a realistic appraisal of the role of fire in reproducing and growing southern pines. *Amer. Forests* 50: 62-64, 91-93. Feb. 1944. 99.8 F762
- 13652 COOK, D. B. Sodium arsenite as a tree-killer. *Jour. Forestry* 42: 141-143. Feb. 1944. 99.8 F768
- 13653 \*DANNECKER, K. Naturnahe wirtschaft im weisstannenwald. *Forstwiss. Centbl.* 64: 218-232, 246-253, 265-278. Oct.-Dec. 1942. 99.8 F775
- "Close-to-nature" management of silver fir.
- 13654 FAIRBAIN, W. A. Forestry in plateau province, Nigeria. *Farm and Forest* 4: 182-192. Dec. 1943. 24 F226
- 13655 JONES, O. B. Harrison County has Youth Forestry Army; boys' group trained in forestry practices, fire prevention and re-seeding of timberland. *East Texas* 18(5): 9, 16. Feb. 1944. 6 Ea73
- 13656 THE KILLING of "weed" trees. *Forestry Abs.* 5: 77-80. 1943. 241.01 In7
- 13657 LEBARRON, R. K. Partial cutting in black spruce in the Lake States. *Mich. Acad. Sci., Arts, and Letters. Papers* (1942) 28: 249-260. 1943. 500 M582



13658 MACALONEY, H. J. Relation of root condition, weather, and insects, *Archips fumiferana* and *Neodiprion banksianae*, to the management of jack pine. Jour. Forestry 42: 124-129. Feb. 1944. 99.8 F768

13659 MCCULLOCH, W. F. Common sense approach to slash burning needed for effective forestry. Brit. Columbia Lumberman 28(2): 27-28, 48, 50. Feb. 1944. 99.81 B77

13660 OSTROM, C. E., and HOUGH, A. F. Early weeding in northern hardwoods. Jour. Forestry 42: 138-140. Feb. 1944. 99.8 F768

#### Administration

13661 \*DIETERICH, V. Leitziele und grundsätze der forstlichen erfolgerechnung. Forstwiss. Centbl. 64: 1-23. Jan. 1942. 99.8 F775

Objectives and characteristics of the forest profit and loss account.

13662 \*HVEDING, ARTHUR. Kontorstell i skogbruksbedrift. (To be cont.) Skogbrukeren 18: 173-175. Nov. 15, 1943. 99.8 Sk54

Bookkeeping for the forest industry.

13663 \*TASSION. Le rôle de l'Administration: l'exemple vécu récemment dans la forêt landaise. Bois et Résineux 26(1308): 1. Oct. 17, 1943. 99.82 B63

The activity of the Administration of Waters and Forests, France, especially in providing forest labor for salvage operations following disastrous fires in Landes, in March and April 1943.

#### Farm Woodlands

13664 \*BYE, EINAR. Skogoppsynsordningen. Skogbrukeren 18: 151. Oct. 1, 1943. 99.8 Sk54

Farm woodland management.

13665 CROSBY, A. H. Walnut for gunstocks. U. S. Soil Conserv. Serv. Soil Conserv. 9: 149-151. 166. Jan. 1944. 1-6 So3S

Activities of Missouri Valley farm forestry projects in managing and marketing eastern black walnut.

13666 DELISLE, ROCH. Du bois à bon compte. Forêt Québécoise 7: 66. Feb. 1944. 99.8 F79

The farm woodland as a source of cheap wood for the farmer.

13667 DELISLE, ROCH. Les multiples services du bois sur la ferme. Forêt Québécoise 7: 10. Jan. 1944. 99.8 F79

13668 GRABNER, R. W. Christmas cedars beat cotton crop. South. Planter 105(2): 19. Feb. 1944. 6 So89

Profits from eastern redcedar Christmas trees in North Carolina.

13669 HEERS, E. A. Forest farming - problems and possibilities. Jour. Forestry 42: 85-88. Feb. 1944. 99.8 F768

13670 HENDERSON, T. B. Timber work is war work. South. Planter 105(2): 14. Feb. 1944. 6 So89

13671 MATTOON, H. G. Farm uses for tree crops. Forest Leaves 33(6): 5-7, 10-11. Nov./Dec. 1943. 99.8 F763

13672 MAY, JOHN. Timber for the taking. No farmer in the wooded parts of Britain need fret much about timber rationing. There is plenty of rough timber on most farms. All it needs is shaping up. Here's how one farmer tackled the job. Farmers Weekly, London, 20(5): 28. Feb. 4, 1944. 10 F2226

13673 MILLER, W. G. ABC's in growing trees. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59(2): 26. Feb. 1944. 6 P945G

13674 MONROE, A. F. Managing farm woodlands of the oak-hickory type. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 261-267. 1943. 500 M582

13675 RAVENSCROFT, VERNON. Winter is locust harvest time. Idaho Farmer 62(4): 8. Feb. 17, 1944. 6 G282

13676 SHERMAN, C. B. Yearly crops from farm woodlands. [N.Y.] Onondaga Co. Farm Bur. News 24(1): 5, 32. Jan. 1944. 275.293 N. Y., Onondaga Co.

13677 WENDELBOURN, F. Tree planting. South Austral. Dept. Agr. Jour. 47: 40. Aug. 1943. 23So84

Recommends varieties suitable for windbreaks and to provide shade for stock on South Australian farms.

#### Mensuration

13678 BRIEGLEB, P. A. Sample scaling for West Coast logs. Timberman 45(4): 98, 100-102. Feb. 1944. 99.81 T484

13679 CUBIC content log scale proposed for salvage operations. Brit. Columbia Lumberman 28(1): 27-28. Jan. 1944. 99.81 B77

13680 MCCARTY, C. E. Inspecting and scaling on State timber sales. Pa. Dept. Forests and Waters Serv. Letter 15(1): 10-13. Jan./Feb. 1944. 99.8 P383

13681 \*NORWAY. LANDBRUKSDEPARTEMENTET. Målingsbestemmelser for brenneved og ved til framstilling av generatorbrensel. (Concl.) Skogbrukeren 18: 144, 146-147. Sept. 15, 1943. 99.8 Sk54

Regulation of July 1, 1943, on the measurement of firewood and wood used for the manufacture of generator fuel.

13682 \*SANDMO, J. K. Fastmasseprosenten hos favneved. Skogbrukeren 18: 149. Oct. 1, 1943. 99.8 Sk54

Methods of measuring cordwood.

13683 SIMMONS, F. C. International log rule for long logs. Jour. Forestry 42: 136-138. Feb. 1944. 99.8 F768

#### FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Plant Pathology in the Plant Science section; articles on forest insects in the Entomology section.

#### Fire

13684 CORNWALL, G. F. Smoke jumpers, forest fire paratroops. Timberman 45(1): 10-13, 44, 46-47. Nov. 1943. 99.81 T484

Includes narrative reports of jumps by Jack Heintzelman, Marvin Graeler, and Winton Stucky.

13685 HATTON, FRED. Radio in fire protection work. Pa. Dept. Forests and Waters Serv. Letter 15(1): 14-15. Jan./Feb. 1944. 99.8 P383

13686 KIRCHER, J. C. Burn not these tiny seeds; the forests of tomorrow must come from today's longleaf pine seed crop. Ala. Conserv. 15(7): 5, 12. Jan. 1944. 279.8 A11

Also, with title "Seed crop said to be best in years," in At-Fa Jour. 6(4): 8-9. Jan. 1944. 309.8 Am3

Importance of protecting seedlings of longleaf pine from fire.

13687 LINDH, C. O. Fire protection on national forest timber sales in Oregon and Washington. Timberman 45(4): 44, 46. Feb. 1944. 99.81 T484

13688 QUARRE, P. Contribution to study of problem of bush fires for Haut Katanga (Belgian Congo). East African Agr. Jour. 9: 118-120. Oct. 1943. 24 Ba74

Includes discussion of effect of bush fires on woody vegetation.

13689 TORTORELLI, L. A. Los incendios de bosques en la Patagonia andina. Buenos Aires (City) Bolsa de Cereales. Rev. 31(1627): 25-27. Dec. 4, 1943. 287 B866



- 13690 WILSON, C. S. Burning an empire; a story written in flames. Conserv. Volunteer 7(38): 1-5. Jan./Feb. 1944. 279.8 C765

## SILVICULTURE

See Items 12890-12905

## LUMBERING

- 13691 FRIEND, J. E. Forestry in Ashanti [West Africa]. Wood 9: 3-6. Jan. 1944. 99.82 W855  
Deals principally with lumbering activities.
- 13692 MOIR, STUART. What is being done in the [western] pine areas [by the lumber industry]. Timberman 45(4): 75-76. Feb. 1944. 99.81 T484

## Equipment

- 13693 \*AUN, H. Ergänzende bemerkungen über das Schüler'sche zieh-, trage- und wendegerät. Forstarchiv 19: 18-19. Jan. 15, 1943. 99.8 F7723  
Notes on a new multiple-use logging implement.
- 13694 FRINK, GERALD. The logging engine of the future. West Coast Lumberman 71(2): 34, 36. Feb. 1944. 99.81 W52

## Logging

- 13695 RACHMANN, ELIZABETH. Minnesota log marks. Conserv. Volunteer 6(37): 35-38. Nov./Dec. 1943. 279.8 C765
- 13696 FRITZ, EMANUEL. Changes in utilization practices in California redwood region. Timberman 45(4): 59-60, 62. Feb. 1944. 99.81 T484  
Changes include logging of associated species, closer utilization of redwood logs, and pulping of waste.
- 13697 MACBEAN, A. P. Some observations on the pulpwood salvaging experiment at Ladysmith. Pacific Pulp & Paper Indus. 18(2): 39-40. Feb. 1944. 302.8 P11  
Deals mainly with wood measurement and costs in connection with the utilization of saplings.
- 13698 THEORETICAL studies of logging operations. Forestry Abs. 5: 81-83. 1943. 241.01 Lm7  
Summary of Studier i skogsbrukets arbetslära. Undersökningar vid Värmlands Skogsarbetsstudier - I. [Theoretical studies of logging operations. Investigations by the Värmland Forestry Association - I.] Stockholm, Industriens Utredningsinstitut, 1943.
- 13699 \*TIMOFEEV, V. P. Ratsional'noe ispol'zovanie otkhodov pri drovolesozagotovkakh [Rational use of logging waste]. Lesnaia Promysh. 1943, No. 1/2, p. 4-5. Jan./Feb. 1943. 99.82 L66

## Lumber Industry

- 13700 COLE, D. S. Survey of lumber situation in the United States. Canada Lumberman 64(3): 30. Feb. 1, 1944. 99.81 C16
- 13701 CUNNINGHAM, R. M. Past year's Lake States producer problems reviewed. Miss. Val. Lumberman 75(4): 9-10. Jan. 28, 1944. 99.81 M69
- 13702 JENKINS, E. H. What the Jones Lumber Co. does to meet log situation. West Coast Lumberman 71(2): 36, 38. Feb. 1944. 99.81 W52  
Also in Timberman 45(4): 76, 78. Feb. 1944. 99.81 T484
- 13703 MULLER, J. L. The lumber outlook. South. Lumberman 168(2108): 35-B. Feb. 1, 1944. 99.81 S82
- 13704 SHEPPARD, C. C. Southern pine: forest to front; lumbermen would like Government to cooperate better. Mfrs. Rec. 113(2): 42-43, 64. Feb. 1944. 297.8 M31
- 13705 WILLIAMSON, A. H. Canada cooperates. Timberman 44(12): 60, 62. Oct. 1943. 99.81 T484  
Production and export of lumber, pulp, and newsprint in Canada in 1943.

## Sawmills

- 13706 JOHNSON, E. W. Sawmilling on Bougainville. South. Lumberman 168(2109): 64, 66. Feb. 15, 1944. 99.81 S82
- 13707 LOTTI, THOMAS. Idle sawmills and their effect upon lumber production. South. Lumberman 168(2108): 35-D. Feb. 1, 1944. 99.81 S82
- 13708 TEESDALE, L. V. Production, seasoning and shipping of balsa. Part II. Milling methods. Timberman 44(12): 37-38, 40, 44. Oct. 1943. 99.81 T484

## WOOD PROPERTIES

## Chemical and Physical Properties

- 13709 COX, H. A. Cantor lectures. Forest products., (2) Timber uses, new and old. Roy. Soc. Arts Jour. 92: 101-110. Jan. 21, 1944. 501 L84J  
Discusses the properties and uses of various woods, principally English.
- 13710 HALL, J. A. Wood chemistry enters a new age; the place and possibilities of a chemical industry based upon wood waste. Amer. Forester 50: 57-59, 78. Feb. 1944. 99.8 F762
- 13711 LEVY, R. M., MUFFAT, P., and HARRISON, W. D. A rapid cupriethylenediamine viscosity method for control work. Paper Trade Jour. 118(TAPPI Sect.): 29-31. Feb. 10, 1944. 302.5 P196  
Determination of cellulose viscosity.
- 13712 SAMETH, SIGMUND. Wood waste and war planes; new method of testing strength of "discolored" airplane veneers is cutting down scrap heaps. Amer. Forester 50: 74-75, 89. Feb. 1944. 99.8 F762
- 13713 SULZBERGER, P. H. The effect of temperature on the strength properties of wood, plywood, and glued joints. Austral. Council Sci. and Indus. Res. Jour. 16: 263-265. Nov. 1943. 514 Au72J

## Preservative Treatment

- 13714 \*\*GOLLOP, G. E. Flameproofing of wood. Timber of Canada 4(1): 73-75, 156, 158. Sept. 1943. (Madison Sub-Branch Libr.)
- 13715 GUNN, J. M. Treated wood. Brit. Columbia Lumberman 28(1): 82, 84. Jan. 1944. 99.81 B77
- 13716 \*WAGNER, H. Sachgemässer holzschutz. Mitt. f. die Landw. 58: 533. July 3, 1943. 18 D48M

## Seasoning and Conditioning

- 13717 \*KRASNOVSKII, N. V. Sushka sosnovykh mostovykh brus'ev krupnogo secheniya [The drying of large pine bridge timbers]. Lesnaia Promysh. 1943, No. 1/2, p. 12-14. Jan./Feb. 1943. 99.82 L66
- 13718 LATHAM, J. Kiln-drying - what does it do to the wood? Wood 9: 22-23. Jan. 1944. 99.82 W855
- 13719 TEESDALE, L. V. Production, seasoning and shipping of balsa. Part II. Kiln seasoning. Timberman 45(1): 20, 22-23, 26, 28. Nov. 1943. 99.81 T484
- 13720 TIEMANN, H. D. How wood behaves in drying. 5. Moisture movement and stresses. South. Lumberman 168(2109): 49-50. Feb. 15, 1944. 99.81 S82
- 13721 \*\*WRIGHT, G. W., and GREENHILL, W. L. Seasoning and shrinkage of Australian timbers for shipbuilding. Austral. Timber Jour. 9: 298, 300, 313, 315, 317. Sept. 1943. (Madison Sub-Branch Libr.)

## WOOD UTILIZATION

- 13722 ALBERTONI, J. L. La industrialización de la madera en nuestro país [Argentina]. Maderil 16 (183): 5-7. Sept. 1943. 99.82 M26  
Also in Chacra 14(158): 16-19, 28. Dec. 1943. 9 C34



13723 ALL WOOD floating dry docks. Timberman 45(4): 28-29. Feb. 1944. 99.81 T484

13724 BERLINER, J. F. T. The chemist and the lumber industry. Brit. Columbia Lumberman 28(1): 61-63. Jan. 1944. 99.81 B77

Discusses various types of chemical utilization of wood.

13725 \*CAMPREDON, JEAN. L'application de la normalisation en France à la production, au commerce et à l'utilisation du bois. (To be cont.) Bois et Résineux 26(1306): 1-2; (1307): 1; (1308): 1. Oct. 3-10, 1943. 99.82 B63

Steps toward standardization in the wood industries of France.

13726 CHAMPION, F. J. Wood comes of age. Sci. Monthly 58: 195-206. Mar. 1944. 470 Sci23

Describes new wood derivatives and modified wood products developed at the Forest Products Laboratory, Madison, Wis.

13727 COLLINS, CHAPIN. Fighting with wood. How the U. S. Forest Products Laboratory is battling the Axis with America's woodpile. South. Lumberman 168(2109): 57-58, 60. Feb. 15, 1944. 99.81 So82

Also in Barrel and Box and Packages 49(2): 5, 21-22. Feb. 1944. 99.82 B27

13728 CONNELLY, W. H. Wood is used for cabinet work in Army's mobile battlefield radio equipment. Wood Prod. 49(2): 16-17. Feb. 1944. 99.82 W856

13729 HARKOM, J. F. A partnership of mine and forest. Forest & Outdoors, Feb. 1944, p. 39-41. 99.8 C16

Includes statistics of production and home consumption of round mining timber in Canada, 1928-1940.

13730 HEPTING, G. H. Preventing decay in wood aircraft. Aero Digest 44(4): 126, 128, 142, 213. Feb. 15, 1944. 333.8 Ae82

Deals principally with factors of design, construction, and maintenance.

13731 \*\*JERVIS, A. E. L. Synthetic resin laminated wood insulation. Brit. Plastics 15:223-228. Sept. 1943. (Madison Sub-Branch Libr.)

13732 MOLDENKE, H. N. Strategic woods. Amer. Mus. Nat. Hist. Nat. Hist. 53: 54-59. Feb. 1944. 500 M483J

Discusses the importance of woods in the war effort.

13733 ROBERTSON, W. A. Cantor lectures. Forest products. (1) Timber. Roy. Soc. Arts Jour. 92: 94-101. Jan. 21, 1944. 501 L84J

Deals mainly with laminated timbers and chemical utilization.

13734 ROBERTSON, W. A. [Cantor lectures. Forest products.] (3) The minor products. Roy. Soc. Arts Jour. 92: 110-117. Jan. 21, 1944. 501 L84J

#### Adhesives

13735 GALLAY, WILFRED, and GRAHAM, G. G. A new gluing process. Mod. Plastics 21(6): 126-129, 168, 170, 172. Feb. 1944. 309.8 F69

The method is designed particularly for laminated timbers.

Also, with title "A new method for resin-bonding of wood," in Chem. Indus. 54: 196-198. Feb. 1944. 381 C426

13736 STEPHAN, J. T. Laminated beam fabrication with warm-temperature setting adhesives. Timberman 44(12): 66. Oct. 1943. 99.81 T484

13737 TAYLOR, J. P. A radio-frequency gun for spot-gluing wood. Electronics 16(11): 106-111, 310. Nov. 1943. 335.8 EL28

#### Barrels, Boxes, and Crates

13738 HANKERSON, F. P. The wooden barrel goes to war. Wooden Barrel 12(6): 4-5, 18, 20. Feb. 1944. 99.82 W854

13739 SNOW, C. F. F. Wooden hoops for barrels. Country Life [London] 95: 292-293. Feb. 18, 1944. 80 C83

The rural craft of hoop-making has been revived in England as a result of the war.

13740 WAR USES of wood-sheated fibreboard. Mod. Packaging 17(6): 80-81. Feb. 1944. 309.8 M72

#### Building Construction

13741 BURNS, H. E. Hutments are licking the Alaskan williwaw. South. Lumber Jour. 48: 40. Feb. 1944. 99.81 So8

13742 GREENHALGH, R. A few ideas on timber development. No. 2 - Doors. Wood 9: 15-16. Jan. 1944. 99.82 W855

13743 MORRISON, C. F. Modern timber engineering (part 2). Brit. Columbia Lumberman 28(1): 57-60. Jan. 1944. 99.81 B77

13744 \*\*RITCHIE, J. E. Fire resistive wood construction. Austral. Timber Jour. 9: 353, 355, 359. Oct. 1943. (Madison Sub-Branch Libr.)

#### Naval Stores

13745 SNOW, A. G., JR. How to obtain increased yield of gum from virgin cupping. Naval Stores Rev. 53(46): 8, 10. Feb. 12, 1944. 99.81 N22

Also, with title "More gum from virgin cupping," in At-Fa Jour. 6(5): 8-9. Feb. 1944. 309.8 Am3

#### Plastics

13746 SMITH, I. C. Plastics and synthetic resins for post-war B. C. Brit. Columbia Lumberman 28(2): 29-30, 44, 46. Feb. 1944. 99.81 B77

13747 STAMM, A. J. Paper-base and wood plastics. Pacific Pulp & Paper Indus. 18(2): 41-42, 45. Feb. 1944. 302.8 P11

#### Pulp and Paper

13748 ANDERSON, P. A. Pulpwood for victory; Koochiching County [Minn.] campaign makes history. Conserv. Volunteer 7(38): 29-32. Jan./Feb. 1944. 279.5 C765

13749 ANDREWS, I. H. Increased utilization of timber - the manufacturers' experience. Pacific Pulp & Paper Indus. 18(2): 38-39. Feb. 1944. 302.8 P11

Suggestions for utilizing saplings in pulp mills.

13750 BETTENDORF, H. J. The war may "hang" on fibres!! Fibre Containers 29(2): 32, 36. Feb. 1944. 286.8 F44

Includes tables showing supply and consumption of pulpwood, 1941 to 1943, and needs for 1944.

13751 CALLAHAN, T. P. Suggestions for conservation of fibre and paper containers. Chem. Indus. 54(1): 48-49. Jan. 1944. 381 C426

13752 CHAPLIN, M. P. Patents and the paper industry. Paper Indus. and Paper World 25: 1221-1229. Feb. 1944. 302.8 P1923

13753 CLARKE, G. L. The action of nitrogen dioxide on unbleached pulp. Part I. Paper Trade Jour. 118 (TAPPI Sect.): 62-66. Feb. 24, 1944. 302.8 P196

13754 COTTRALL, L. G., and GARTSHORE, J. L. Evaluation of chemical pulps. (Cont.) World's Paper Trade Rev. 121(Tech. Sup.): 5-8. Feb. 4, 1944. 302.8 W89

13755 CROWN Zellerbach presents a new whole log hydraulic barker. Pacific Pulp & Paper Indus. 18(2): 7-12. Feb. 1944. 302.8 P11

13756 DIXON, W. J. Kraft paper production in 1943 declines 10.9 per cent below last year. Paper Trade Jour. 118(7): 44-45. Feb. 17, 1944. 302.8 P196

Also, with title "1943 review of the kraft industry," in Paper Mill News 67(8): 75, 78. Feb. 19, 1944. 302.8 P195



- 13757 DOBROW, M. C. Paper output in 1943 was 17,035,000 tons. Paper Trade Jour. 118(7): 41-44. Feb. 17, 1944. 302.8 P196
- 13758 GRAFF, J. H. and FEAVEL, J. R. Projection arrangement for determination of fiber dimensions. Paper Trade Jour. 118(TAPPI Sect.): 140, 142-145. Feb. 17, 1944. 302.8 P196
- 13759 GRAHAM, DAVID. Address to pulp consumers. Paper Mill News 67(8): 107-108, 130. Feb. 19, 1944. 302.8 P195
- Deals mainly with pulp allocation.
- 13760 GRANT, JULIUS. Pulp and paper. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1942) 27: 143-154. 382 M31R
- 13761 HELIN, F. A. A new type of paper machine dryer. Pulp and Paper Mag. Canada 45: 71-73. Feb. 1944. 302.8 P96
- 13762 INSTITUTE OF PAPER CHEMISTRY. Instrumentation studies. XLVI. Tearing strength of paper. Paper Trade Jour. 118(5): 13-16, 18-19. Feb. 3, 1944. 302.8 P196
- 13763 KELLOGG, R. S. Newsprint output declines 8.7 per cent in 1943 below previous year. Paper Trade Jour. 118(7): 46, 48, 50. Feb. 17, 1944. 302.8 P196
- Also, with slightly different titles, in Paper Mill News 67(8): 66-67, 70. Feb. 19, 1944. (302.8 P195); Pulp and Paper Mag. Canada 45: 68-70, 82, 99. Feb. 1944. (302.8 P96)
- 13764 KLEIN, L. Synthetic resins for the board or paper maker. Fibre Containers 29(2): 86, 88, 90-93. Feb. 1944. 286.8 F44
- 13765 LAMM, L. M. Summary of Government orders affecting pulp and paper in war effort. Paper Trade Jour. 118(7): 66, 68, 71, 74, 76. Feb. 17, 1944. 302.8 P196
- 13766 LITTLE, E. M. The future of the [Canadian pulp and paper] industry. Paper Mill News 67(6): 22. Feb. 5, 1944. 302.8 P195
- 13767 MCGOVERN, J. N., and MCGREGOR, G. H. Sulfite pulp production: some factors pertinent to meeting war born shortages. Pulp and Paper Mag. Canada 45: 74-81. Feb. 1944. 302.8 P96
- 13768 PAPER in Australia. Terms of paper control order No. 1. World's Paper Trade Rev. 121: 143-144, 146. Jan. 21, 1944. 302.8 W89
- 13769 PAPER industry of Great Britain, in 1943. World's Paper Trade Rev. 120: 1492, 1495-1496. Dec. 31, 1944. 302.8 W89
- 13770 PENNINGTON, J. A. G. Production and outlook for containerboard folding and setup boxboard. Fibre Containers 29(2): 62, 64. Feb. 1944. 286.8 F44
- Also in Drug, Vitamin and Allied Indus. 30(2): 11. Feb. 1944. 396.8 St2
- 13771 PROCESS waters for manufacture of pulp and paper. South. Pulp and Paper Jour. 6(9): 12-13, 19. Feb. 15, 1944. 302.8 So8
- Summary of Tech. Assoc. Pulp and Paper Indus. Spec. Rpt. 333.
- 13772 SUTTLE, BRUCE. Length of chips in cooking southern pine. Paper Mill News 67(9): 22. Feb. 26, 1944. 302.8 P195
- 13773 SWANSON, O. F. Heavy demand for wood pulp complicates problem of equitable distribution. Paper Trade Jour. 118(7): 78, 80, 82, 84. Feb. 17, 1944. 302.8 P196
- 13774 TINKER, E. W. Paper industry promises many post-war surprises. Brit. Columbia Lumberman 28(2): 61-62. Feb. 1944. 99.81 B77
- 13775 WATER vapor permeability of paper and paperboard, revision of TAPPI Official Standard T 448 m-41. Paper Trade Jour. 118(TAPPI Sect.): 29-31. Feb. 3, 1944. 302.8 P196

- 13776 WHITING, GRAFTON. Production of paper board up 6 per cent in 1943 above previous year. Paper Trade Jour. 118(7): 54, 56, 58, 60, 62. Feb. 17, 1944. 302.8 P196
- 13777 ZINK, J. D. Writing paper in 1944. Paper Mill News 67(8): 71. Feb. 19, 1944. 302.8 P195

#### Tanning Materials

- 13778 RAMBEAU, HOWARD. Southeastern sumac may replace imported materials. Hide and Leather and Shoes 107(7): 24, 26. Feb. 12, 1944. 303.8 H53
- 13779 \*\*SPOON, W. Tanniferous wood of the overseas Netherlands. Ned. Leder-Ind. 53(34, Suppl.): 1891-1895. 1941.
- Abs. in Forestry Abs. 5: 130. 1943. 241.01 Im7

#### Veneers and Plywood

- 13780 BROWN, A. L. Producing dependable plywood. Veneers and Plywood 38(2): 10-12. Feb. 1944. 99.82 V55
- 13781 DIONNE, JACK. Plywood and the retail lumber dealer. Gulf Coast Lumberman 31(23): 12, 29. Mar. 1, 1944. 99.81 G95
- Includes list of permitted uses for softwood plywood.
- Also in Calif. Lumber Merchant 22(17): 16-17. Mar. 1, 1944. 99.81 G12
- 13782 EMMETT, J. A. Plywood should further revolutionize boat building. Veneers and Plywood 38(2): 18-19. Feb. 1944. 99.82 V55
- 13783 FITZPATRICK, J. H. New, lightweight plywood floor has many uses. Wood Prod. 49(2): 24, 26, 41. Feb. 1944. 99.82 W856
- 13784 GRINSFELDER, HENRY, and COLLINS, M. R. Plywood bonding. Indus. and Engin. Chem. Indus. Ed. 36: 152-157. Feb. 1944. 381 J825
- 13785 HARRIS, E. J. Power type plywood presses. Veneers and Plywood 38(2): 26, 28. Feb. 1944. 99.82 V55
- 13786 MULLER, J. L. Softwood plywood geared to wartime. U.S. Dept. Com. Dom. Com. 32(2): 6, 17-18. Feb. 1944. 157.54 D713
- 13787 RUBENSTEIN, LEON. The invention of commercial plywood. Timber Trades Jour. 168: 8. Jan. 1, 1944. 99.81 T48
- 13788 \*\*RUST, S. F. Edge gluing of thick veneers. Austral. Timber Jour. 9: 296. Sept. 1943. (Madison Sub-Branch Libr.)

#### Wood as Fuel

- 13789 \*CASAMAJOR, JEAN. Les combustibles "Vesta." Rev. Internat. du Bois 10: 40-41. Mar. 1943. 99.8 R326
- Describes several commercial fuel briquettes, made from peat combined with charcoal or wood.
- 13790 \*GUILLAUME, PAUL. De l'emploi judicieux des carburants forestiers. Rev. Internat. du Bois 10: 88-90. June 1943. 99.8 R326
- Includes tables comparing physical properties of various charcoals.
- 13791 \*\*HELLEMAN, A. H. W. Tan bark as a [boiler] fuel. Brennstoff u. Wärmewirts. 25: 29-30. 1943.
- Abs. in Forestry Abs. 5: 118. 1943. 241.01 Im7
- 13792 REYNOLDS, T. W. Wood bark for steam generation. Heating and Ventilating 41(2): 84. Feb. 1944. 281.8 H35

#### MISCELLANEOUS

##### Education

- 13793 RECORD, S. J. Yale, oldest forestry college, starts 44th year of training; library, wood collections are rare treasures of university. Timber Topics 6(6): 10-11. Jan./Feb. 1944. 99.81 T486



13794 \*SQUADRILLI, R. A. L'académie militaire forestière de Florence-Vallombrosa. Jour. Forest. Suisse 94: 180-182. Aug. 1943. 99.8 J82

#### Forest Influences

13795 CAMSELL, CHARLES. Forests and water. Pulp and Paper Mag. Canada 45: 86-88. Feb. 1944. 302.8 P96

13796 \*EITINGEN, G. R. Lesoagrarnafä problema v uchenii akad. V. R. Vil'fämsa [The forest-agrarian problem in the teaching of academicians V. R. Vil'fäms] In Akad. nauk. Sbornik pamäti akad. V. R. Vil'fämsa, P. 82-90. Moskva, 1942. 56 Akl2  
Discusses the multiple significance of forests and the importance of protective forests to abundant agricultural yield.

13797 FELIPE BARAHONA, HÉCTOR. Importancia e influencia de los bosques. Coop. Agr. 3(34): 1-4. Aug. 1942. 280.28 C7874

13798 \*KOCH, H. G. Der waldwind; eine forst-meteorologische eigenart von waldgebieten. Forstwiss. Centbl. 64: 97-111. May 1942. 99.8 F775  
Causes of the "forest wind."

13799 ROF CODINA, JUAN. El arbolado y su influencia higiénica. Agr. Mod.[Habana] 1(4): 16. Sept. 1943. 8 Ag882

13800 WIBLE, R. C. Nomenclature of State forest recreational areas. Pa. Dept. Forests and Waters Serv. Letter 15(1): 3-6. Jan./Feb. 1944. 99.8 P383  
13801 \*WOELFLE, MAX. Windverhältnisse in walde. Forstwiss. Centbl. 64: 169-182. Aug. 1942. 99.8 F775  
Wind conditions in the forest.

#### Wildlife

13802 ALDOUS, C. M., and ALDOUS, S. E. The snowshoe hare - a serious enemy of forest plantations. Jour. Forestry 42: 86-94. Feb. 1944. 99.8 F768

13803 \*BARTH, AGNAR. Bever og elg. En alvorlig hindring for gjenreisning av Sørlandets lauvskoger. (Cont.) Skogbrukeren 18: 178-180. Nov. 15, 1943. 99.8 Sk54  
Damage done by beaver and moose to hardwoods in southern Norway.

13804 MOORE, G. C. White-tails in Alabama. Ala. Conserv. 15(8): 8-9, 12, 14. Feb. 1944. 279.8 All

Suggests forest management practices to encourage white-tail deer.

13805 PYLE, E. C. Beaver in the Poconos. Pa. Dept. Forests and Waters. Serv. Letter 15(1): 7-9. Jan./Feb. 1944. 99.8 P383

Injurious effects of beaver on forests, water supply, and other wildlife.

13806 STILLINGER, C. R. Damage to conifers in northern Idaho by the Richardson red squirrel. Jour. Forestry 42: 143-145. Feb. 1944. 99.8 F768

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

13807 BATTLES, O. V. The purebred man and the war. West. Livestock Jour. 22(18): 62, 64. Feb. 1944. 6 F2278

Influence of purebred livestock on the meat supply.

13808 \*OOTZE, R. Hat die künstliche besamung der haustiere für das Reich und für die Ostgebiete eine zukunft. Deut. Tierärztl. Wchnschr. 50: 326-329. Aug. 1, 1942. 41.8 D482

13809 HAMMOND, JOHN. Pure v. cross breeding of livestock. Farmer & Stock-Breeder 58: 27. Jan. 4, 1944. 10 F228

13810 \*KARPENKO, M. Plennafä rabota v promyshlennykh sovkhozakh [Breeding work on the livestock state farms]. Sovkhoznoe Proizvodstvo 3(9): 33-36. Sept. 1943. 20 So85

13811 \*KIRILLOV, V. Znachenie steril'nykh samtsov pri osemenenii zhivotnykh [The importance of sterile males in connection with artificial insemination]. Sovkhoznoe Proizvodstvo 3(9): 39-40. Sept. 1943. 20 So85

13812 KUMARAN, J. D. S. The quality of the egg-yolk for preserving the semen. Indian Vet. Jour. 20: 112-121. Nov. 1943. Ref. 41.8 In2

Formation, deterioration, and possibilities of bacterial infection of yolks. Technique of semen preservation.

13813 LEBOURGEOIS, H. B. Teaches breeders a lesson. Grit and Steel 42, 1. e. 43(11): 44-45. Mar. 1944. 47.8 G88

13814 LLOVET, EDUARDO. Reproducción y herencia. Coop. Agr. Honduras, 3(30): 3-4. Mar. 1942. 280.28 C7874

13815 LLOYD, E. W. Pedigree livestock prices. Field 183: 22. Jan. 1, 1944. 10 F45

Lower breeding-stock prices are needed if standards are to be maintained.

13816 \*MASHKOVITSEV, A. Vol'naya sluchka zhivotnykh [The breeding of animals]. Sovkhoznoe Proizvodstvo 3(9): 37-39. Sept. 1943. 20 So85

13817 OLIVEIRA, J. G. DE. Notas de zootecnia geral. Rev. Agron. Porto Alegre, Brazil, 7: 526-530. Oct. 1943. 9.2 R325

13818 RICHARDSON, T. C. "The best" will supersede "the better" in livestock breeding. Farmer-Stockman 57: 49. Feb. 1944. 6 Ok45

13819 SACKVILLE, J. P. The place of the pure bred breeder in live stock. Shorthorn News 4(4): 36-37. Dec. 1943. 43.8 Sh85

13820 \*STOLBERG-WERNIGERODE, A. G. ZU, and CLAUSSEN. Haben die blutlinien für die tierzucht besondere bedeutung? Mitt. f. die Landw. 58: 867. Oct. 16, 1943. 18 D48M

#### FEEDS AND FEEDING

13821 ANDRADE, B. M. Feno e fenação. VI. Valor nutritivo do feno e fatores que o afetam. Rev. dos Criadores 14(14): 58-60. Oct. 1943. 43.8 R32

13822 BAUERNFEIND, J. C., and BORUFF, C. S. Fermentation by-products as animal feeds. Part I-III. (Concl.) Amer. Miller 72(1): 182-183, 198; (2): 53-54, 71; (3): 50-52, 64-65. Jan.-Mar. 1944. Ref. 298.8 Am32

13823 BRANDO, MARLON. Further developments in calcium carbonate. Flour & Feed 44(9): 26. Feb. 1944. 298.5 F66

Riboflavin added by feed manufacturers.

13824 \*BREIREM, KNUT, and others. Kvaliteten av høyavlinga 1943. Melding fra Landbrukshøgskolens Institutt for Husdyrernaering og Føringelaere. Norsk Landbruk 9: 321-324. Nov. 26, 1943. 11 N8122  
O. Ulvesli, H. Hvidsten, T. Homb, and H. Frank, joint authors.

Nutritional value of the 1943 hay crop in Norway.

13825 BURROUGHS, E. W. Substitutions for war scarce feedstuffs. Flour & Feed 44(9): 36-38. Feb. 1944. 298.8 F66

13826 CARR, W. A. C. Arable crops for silage. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 511-514. Feb. 1944. 10 G79J



- 13827 CLIFFE, A. E. These vitamins...what are they? ...particularly as applied to animal feeding. *Canad. Milling & Feed* 25(2): 18-19, 23, 26. Feb. 1944. 298.8 C162
- 13828 COLTRANE, D. S. Less feed; more livestock. *Flour & Feed* 44(9): 31. Feb. 1944. 298.8 F66
- 13829 COTTER, HENRI. Poudre de charbon de bois et bétail. *Rev. Agr. de l'Afrique du Nord* 41: 96-97. June 11, 1943. 80 R326
- 13830 CULLISON, A. E. The use of urea in making silage from sweet sorghum. *Jour. Anim. Sci.* 3: 59-62. Feb. 1944. 49 J82
- 13831 \*D'IAKOV, M. I., and TIKHONOV, P. P. Sennala muka - tsennyy korm [Hay flour - valuable fodder]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsobovety Kolkhoz., No. 75. Broadside. Moskva, 1943. 20 Ag88
- Finely ground hay, is economical and nutritive.
- 13832 \*EMEL'IANOV, F. V. Mineral'nafâ podkormka sel'skokhoziaistvennykh zhivotnykh [Mineral feeding of domestic farm animals]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsobovety Kolkhoz., No. 82, 8 p. folder. Moskva, 1943. 20 Ag88
- 13833 \*ENGELS. Die aufschliessung von stroh und holz zur gewinnung von futterzellulose. *Umschau* 47: 209-210. Sept. 1943. 474 Um7
- Chemical treatment of straw and wood to make them fit for animal feed and the chemical composition of the products obtained.
- 13834 ESLICK, R. F., and DICKEY, H. C. Study made of seasonal variations and comparative nutritive values of different pastures. *Colo. Farm Bul.* 6(1): 12-15. Jan./Feb. 1944. 100 C718
- 13835 FARRELL, G. E. The Nation looks at its waste. *What's New in Home Econ.* 8(6): 69-70. Feb. 1944. 321.8 W55
- Utilization as feed of the waste products of industries processing agricultural and food products.
- 13836 FERRIN, E. F. Saving protein concentrate in feeding livestock. *Hoard's Dairymen* 89: 105. Feb. 25, 1944. 44.8 H65
- Results of feeding different amounts of protein.
- 13837 FULLER, LUTHER. Feeding sweet potatoes to livestock. *South. Stockman* 4(3): 42, 92. Mar. 1944. 49 So83
- 13838 \*GABRIEL. Erleichterungen beim luftdichten abschluss von gärfutterbehältern. *Mitt. f. die Landw.* 58: 903. Oct. 30, 1943. 18 D48M
- Silos and silage.
- 13839 \*GNEIST, KARL. Die verschmutzung des zuckerrübenblattes in ihrer bedeutung für dessen vergärung und verfütterung. *Mitt. f. die Landw.* 58: 791-793. Sept. 25, 1943. 18 D48M
- 13840 GODDEN, W. The feeding of livestock. *Roy. Agr. Soc. England Jour.* 104: 46-54. 1943. 10 R81
- 13841 GORRIE, C. J. R. Concerning the use and abuse of prepared stock foods. *Stock and Land* 33(51): 3. Dec. 22, 1943. 49 St63
- 13842 \*HOUDINIÈRE, A. Les anémies d'origine lactée; etiologie. *Lait* 23: 23-35. Jan./Mar. 1943. Ref., p. 34-35. 44.8 L143
- Anemia of young animals caused by: too little milk; too much milk to the exclusion of other foods; poor quality milk due to lack of iron and copper in nutrition of mother.
- 13843 HUNTER, J. E. Nutritional aspect of feed problem. *Flour & Feed* 44(9): 18. Feb. 1944. 298.8 F66
- 13844 HURD, L. M. Making grass silage. *N. Y., Chenango Co. Farm and Home Bur. News* 29(2): 7. Feb. 1944. 275.293 N. Y., Chenango Co.
- 13845 \*IMBS, B. Silosnoe syr'ie Stepmoi zony [Material for silage in the Steppes]. *Sovkhozhnoe Proizvodstvo* 3(8): 43-44. Aug. 1943. 20 So85
- 13846 IRVINE, L. O. F. Retrogression of natural grazing. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 205, 2 p. Pretoria, 1943. 23 So82P
- 13847 \*IVANOV, L. Uchet grubykh kormov [Estimating the coarse fodder]. *Sovkhozhnoe Proizvodstvo* 3(9): 12-14. Sept. 1943. 20 So85
- Method of determining the farm feed supply.
- 13848 JACOB, K. D. Phosphorus supplements for livestock; sources, supplies, and fluorine-phosphorus relations. *Feedstuffs* 16(7): 18-20, 22-24, 26, 28, 30-32. Feb. 12, 1944. Ref., p. 31-32. 286.81 F322
- 13849 JOINER, MARTIN. Feeding squash to stock. *Mich. Farmer* 203: 107. Feb. 19, 1944. 6 M58
- 13850 \*KIRSCH, W. Kinsäuerung von massenfischen mit kartoffeln. *Mitt. f. die Landw.* 58: 547. July 10, 1943. 18 D48M
- 13851 LANCASTER, R. R. Whether it rains or not. *Cattleman* 30(9): 92-93. Feb. 1944. 49 C29
- Range management that allows for periods of drought.
- 13852 \*LEHMANN, K. Wie füttere ich richtig im trockengebiet? *Mitt. f. die Landw.* 58: 785-786. Sept. 25, 1943. 18 D48M
- Feed formulas for districts having low rainfall.
- 13853 LOWE, C. D. Better practices as to home feeds and livestock care, grow in importance. *Natl. Live Stock Prod.* 22(5): 6. Feb. 1944. 280.38 N21
- 13854 LUSH, R. H., and SMALLEY, H. R. Pasture; the key to more economical feed for livestock. *West. Livestock Jour.* 22(18): 15, 118. Feb. 15, 1944. 6 F2278
- 13855 MACEWAN, J. W. G. Waste feed...waste money...a challenge to better feeding of livestock. *Country Guide* 63(2): 9, 40-41. Feb. 1944. 7 G76
- 13856 MCINTOSH, R. A. Minerals in animal feeding. *Shorthorn News* 4(4): 14. Dec. 1943. 43.8 Sh85
- 13857 \*NEHRING, K. Futterwert und einsatz von sonnenblumenextraktionschrot. *Mitt. f. die Landw.* 58: 548. July 10, 1943. 18 D48M
- 13858 \*NIESCHLAG, F. Das einsäuern von zucker- und futterrüben. *Mitt. f. die Landw.* 58: 900-901. Oct. 30, 1943. 18 D48M
- 13859 NORTON, C. L. The present feed gap. *Dairymen's League News* 28(5): 6. Feb. 29, 1944. 44.8 D1432
- 13860 OWENS, J. S. Better feed crops can be grown in 1944. *New England Homestead* 117(4): 10-11. Feb. 26, 1944. 6 N442
- 13861 PANDE, P. G. Minerals and animal health. *Indian Farming* 4: 303-307. June 1943. 22 In283
- 13862 \*POPOFF, I. D. Chemische untersuchungen zur frage der bewertung von N-freien und N-haltigen verbindungen bei der futtermittelbeurteilung. *Bodenk. u. Pflanzenernähr.* 31: 85-117. 1943. Ref., p. 114-117. 384 Z343A
- 13863 PRICE, W. V., BOHSTEDT, G., and RUPEL, I. W. Whey for livestock. *Natl. Butter and Cheese Jour.* 35(3): 44, 46-48, 50. Mar. 1944. 286.85 B98Bu
- 13864 \*RAUTERBERG, E., and BENISCHKE, H. Die bestimmung des gesamtstickstoffs in nitrathaltigen ernstprodukten. *Bodenk. u. Pflanzenernähr.* 30: 118-125. 1943. Ref., p. 124-125. 384 Z343A
- 13865 RGA, ENRIQUE. Minerales esenciales a los animales. *Agr. Mod. [Habana]* 1(5/6): 8. Oct./Nov. 1943. 8 Ag882
- 13866 SCHARFF, JUSTIN. Pastures for rabbits and chickens. *Calif. Cult.* 91: 104. Feb. 19, 1944. 6 C12
- 13867 \*SCHARRER, KARL. Justus von Liebig's bedeutung für die tierernährungslehre. *Umschau* 47: 206-207. Aug. 1943. 474 Um7



13868 \*SHAKUN, V., and BUGRIMOV, I. Organizatsiia i tekhnika nagula krupnogo rogatogo skota [Management and technique of fattening livestock]. Sovkhoznoe Proizvodstvo 3(6/7): 29-31. June/July 1943. 20 So85

13869 SHAW, A. O. Cheaper feed for cows, hogs, sheep. Prog. Farmer, Car.-Va. Ed. 59(3): 12. Mar. 1944. 6 P945

13870 SHEEHY, E. J. Live stock feeding. Irish Agr. and Creamery Rev 13(121): 5-6, 9. Jan. 1944. 44.8 C866

13871 SHUPP, A. A. Beet pulp [feed] situation. Flour & Feed 44(9): 32. Feb. 1944. 298.8 F66

13872 \*SHURIKOV, I. Dopolnitel'nye istochniki ekonomii zhirav [Additional sources for economizing fats]. Sovkhoznoe Proizvodstvo 3(6/7): 19-20. June/July 1943. 20 So85

Preparation and feeding of milk substitutes to young livestock.

13873 \*SIMON, E. Organizatsiia vodopoiia zimoi [Planning the winter watering of livestock]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 95, 4 p. folder. Moskva, 1943. 20 Ag88

13874 SLICED yams make good stock feed. U. S. Rural Electrification Admin. Rural Electrification News 9(6): 4-5. Feb. 1944. 173.2 B88Ru

Includes description of slicing equipment.

13875 STEVENS, O. A. Use of screenings for feed. Grain & Feed Jours. Consolidated 92: 66. Jan. 26, 1944. 298.8 G762

13876 \*SVANBERG, OLOF, and EKELUND, SIGVARD. Om h    rdens sockerhalt och faktorer som inverkar d  rpa. K. L  ntbruksakad. Tidskr. 82: 240-260. 1943. 104 Sw3

German summary at end of article.

Sugar content of hay and its nutritional value.

13877 \*VSI  KIKH, A. V Kirgizskom Institute Zhivotnovodstva [In the Kirghiz Institute of Animal Industry]. Sovkhoznoe Proizvodstvo 3(6/7): 46. June/July 1943. 20 So85

Discusses additions to feed supply for livestock and substitutes for alcohol used in artificial insemination.

13878 WATSON, S. J. The role of minerals in animal health. Mfg. Chem. 15: 17-20. Jan. 1944. 396.8 M31

13879 WEBER, A. D. The protein situation. Kans. Stockman 28(5): 60-61. Mar. 1944. 49 K134

13880 \*ZAFREN, S. Skarmilivanie silosa zhivotnym [Silage feeding of livestock]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 96, 8 p. folder. Moskva, 1943. 20 Ag88

13881 \*ZAFREN, S. Zagotovka silos khoroshego kachestva [How to prepare silage of good quality]. Sovkhoznoe Proizvodstvo 3(8): 41-42. Aug. 1943. 20 So85

#### INSPECTION AND QUARANTINE

13882 BELL, E. W. Home meat slaughter [ration regulations]. Northeast. Poultryman 38(2): 15-16. Feb. 1944. 47.8 N44

13883 \*MENZEL. Neuregelung des hausschlachtungswesens. Landesbauernschaft Niederschlesien. Wchnbl. 10: 371. July 3, 1943. 18 S13

13884 P., L. P. Nouveaux r  glements concernant l'abattage des animaux. Terre de Chez Nous 16(18): 1, 20. Feb. 2, 1944. 7 T27

#### VETERINARY MEDICINE

13885 BAKER, E. T. Autobiography of a veterinary practitioner. XXIII. A week of winter practice. Vet. Med. 39: 66-72. Feb. 1944. 41.8 M69

13886 BARBER, W. E. Animal health, the future of veterinary practice. Estate Mag. 44: 1-3. Jan. 1944. 10 Es8

13887 \*BELLER, K. Wiedererlangung der virulenz von BCG-kulturen durch meerschweinchenpassagen, zugleich ein Beitrag zur syntropie zwischen tuberkulose und maul- und klauenseuche. Ztschr. f. Infektionskrank., Parasit  re Krank. u. Hyg. der Haustiere 59: 25-31. Oct. 16, 1942. 41.8 Z32

13888 BOURNE, R. F. The use of sulfonamide compounds in veterinary practice. Vet. Med. 39: 15-21. Jan. 1944. 41.8 M69

13889 BRANCKER, W. M. Stilboestrol in veterinary practice. Vet. Rec. 55: 461-462. Nov. 27, 1943. 41.8 V641

13890 BUCHLER, WALTER. Veterinary medicine in Kenya, Africa. Vet. Med. 39: 54-55. Jan. 1944. 41.8 M69

13891 CACHO NEGRETE E ITUARTE, J. B. La Estaci  n Bio-Patol  gica del Ministerio de Agricultura [de Cuba]. Rev. Canad. [Habana] 4(1): 12-16. Jan. 1944. 49 R521

For livestock disease research and control.

13892 DALLING, T. Diseases [and parasites] of animals - prevention and treatment. Roy. Agr. Soc. England. Jour. 104: 18-27. 1943. Ref. 10 R81

13893 DAVIS, L. R. Two new enterotome devices for quicker parasitological examination of cattle and small animals. Amer. Jour. Vet. Res. 5: 60-61. Jan. 1944. 41.8 Am3A

13894 DINABURG, A. G. The survival of the infective larvae of the common ruminant stomach worm, Haemonchus contortus, on outdoor grass plots. Amer. Jour. Vet. Res. 5: 32-37. Jan. 1944. 41.8 Am3A

13895 \*DINTER, Z. Die schnell Diagnose des rauchbrands mit der deckglaskultur nach Fortner. Ztschr. f. Infektionskrank., Parasit  re Krank. u. Hyg. der Haustiere 59: 211-219. Feb. 8, 1943. 41.8 Z32

13896 DUR  N, J. J. Azul de metileno. Agr. Mex. 59(11): 28. Nov. 1943. 8 Ag8

Use of methylene blue in veterinary medicine.

13897 DUR  N, J. J. Tripanazol o azul tripan. Agr. Mex. 59(11): 27. Nov. 1943. 8 Ag8

Use of trypan blue in veterinary medicine.

13898 \*FLUCKIGER, G. In welchem ausmass sind von der maul- und klauenseuche genesene tiere ansteckungstr  ger? Ztschr. f. Infektionskrank., Parasit  re Krank. u. Hyg. der Haustiere 59: 220-224. Feb. 8, 1943. 41.8 Z32

13899 GARCIA SUAREZ, JOS  . Reglamentaci  n del ejercicio de la medicina veterinaria en Chile. Rev. de Med. Vet. [Buenos Aires] 24: 576-583. July/Aug. 1943. 41.8 B86

13900 GENTRY, F. D. Veterinarians and vocational agriculture instructors. Vet. Med. 39: 27-28. Jan. 1944. 41.8 M69

13901 GORRIE, C. J. R. Country veterinary services in post-war development [in Australia]. Stock and Land 33(49): 5. Dec. 8, 1943. 49 St63

13902 GORRIE, C. J. R. Present wide field of activity for the veterinarian. Stock and Land 33(50): 3. Dec. 15, 1943. 49 St63

13903 HAMBLETON, J. A. Protect against disease outbreaks among your livestock and poultry. Ohio Farm Bur. News 23(7): 16. Feb. 1944. 6 Oh34



- 13904 HERSHBERGER, F. C. History of the United States Army Veterinary Corps. Cornell Vet. 34: 52-64. Jan. 1944. 41.8 C81
- 13905 HUDDLESON, I. F. Brucella allergy in veterinarians. M. S. C. Vet. 4: 10-11, 45. Fall 1943. 41.8 M582
- 13906 JARAMILLO BRUCE, RODOLFO. Control de la fiebre aftosa. Agr. del Norte 27: 676-677. Oct. 1943. 9.3 Sol4
- 13907 \*LUHRS, E. Ueber die komplementwirkung. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 158-162. Feb. 8, 1943. 41.8 Z32
- 13908 MARTÍN NOVELO, A. Tratamiento de las heridas en los animales domésticos. Granja [Mexico] 11: 191-192. Nov. 1943. 8 G76
- 13909 NETCHAEV, PETER. Anthrax (carbon). Costa Rica. Dept. Nac. de Agr. Bol. Pop., No. 56, 8 p. San Pedro de Montes de Oca, 1943. 102 C822B
- 13910 PATEK, P. R. The perivascular spaces of the mammalian brain. Anat. Rec. 88: 1-24. Jan. 1944. 447.8 An1
- 13911 PECK, LYMAN. Public relations in a veterinary practice. M. S. C. Vet. 4: 7-9, 43. Fall 1943. 41.8 M582
- 13912 \*POTEMKINA, V. Kak borot'sia s lentochno-glistnym zabolevaniem iagniat i teliat [How to control tapeworm disease in lambs and calves]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz. No. 70, 8 p. folder. Moskva, 1943. 20 Ag88
- 13913 RAE, ROBERT. The improvement of livestock. Vet. Rec. 55: 429-440. Nov. 6, 1943. 41.8 V641  
Second conference discussion by the National Veterinary Medical Assoc. of Great Britain and Ireland at its annual meeting, Sept. 1943.
- 13914 REYES F., EDUARDO. Actinomycosis. Agr. Mex. 59(11): 31-33. Nov. 1943. 8 Ag8
- 13915 ROBBINS, M. L., and GRIFFIN, A. M. Studies on Listerella monocytogenes. Jour. Immunol. 48: 63-68. Jan. 1944. 448.8 J8232
- 13916 \*SCHMID, F. Versuche zur behandlung des magenwurmbefalles der wiederkäuer. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 146-157. Feb. 8, 1943. 41.8 Z32
- 13917 SCHOENING, H. W. War and postwar disease control problems. Amer. Vet. Med. Assoc. Jour. 104: 129-132. Mar. 1944. 41.8 Am3
- 13918 SIMON, P. A. Hemeralopia. Indian Vet. Jour. 20: 126-130. Nov. 1943. 41.8 In2  
Vitamin A deficiency and night blindness in animals.
- 13919 SLAVIN, D. Somatic variation in some Kenya strains of Salmonella. Vet. Jour. 100: 2-10. Jan. 1944. 41.8 V643
- 13920 SMITH, J. M. The veterinary surgeon in the development of the colonies. Vet. Rec. 55: 415-424. Oct. 30, 1943. 41.8 V641  
First conference discussion by the National Veterinary Medical Assoc. of Great Britain and Ireland at its annual meeting, Sept. 1943.
- 13921 SOUZA, ROBERTO DE. Intoxicação por plantas. Ceres [Brazil] 4: 459-464. July/Aug. 1943. 9.2 C332
- 13922 STAFSETH, H. J. Bacterins: preparations, use and misuse. M. S. C. Vet. 4: 12-15, 48, 50. Fall 1943. 41.8 M582
- 13923 STEIN, C. D. Differentiation of Bacillus anthracis from nonpathogenic aerobic spore-forming bacilli. Amer. Jour. Vet. Res. 5: 38-54. Jan. 1944. 41.8 Am3A
- 13924 \*STRUGGER, S. Fluoreszenzmikroskopische beobachtungen über das eindringen des prontosil lösliche in lebende bakterien- und hefezellen. Deut. Tierärztl. Wchnschr. 50: 321-322. Aug. 1, 1942. 41.8 D482
- 13925 TODD, F. A. Veterinary service in Iceland. U. S. Army Med. Dept. Bul. 73, p. 85-90. Feb. 1944. 152.9 Ar52  
Inspection of food and care of animals for U. S. Army, and cooperation with Icelandic veterinarians in control of local livestock diseases.
- 13926 TURNER, C. W. New knowledge of ruminant digestion and nutrition. Amer. Miller 72(1): 141, 198; (2): 51, 68, 71. Jan., Feb. 1944. 298.8 Am32
- 13927 \*WANNTORP, HANS. Om förgiftningsfaran för husdjur av arsenikimpregnerat trävirke (On the danger for domestic animals of poisoning from the frequent presence of arsenic in wood goods). Skand. Vet. Tidskr. 35: 385-427. July 1943. 41.8 Sk1  
English summary.
- 13928 WATSON, J. A. S. Control of livestock diseases in the United States of America. Roy. Agr. Soc. England Jour. 104: 165-170. 1943. 10 R81
- 13929 WOOLDRIDGE, W. R. The veterinary profession and the nation. Vet. Rec. 55: 395-398. Oct. 30, 1943. 41.8 V641

## MISCELLANEOUS

- 13930 BENTON, E. L. Livestock in the war effort. Mich. Farmer 202: 5, 8. Mar. 4, 1944. 6 M58  
Care and management.
- 13931 DAY, D. A. Visual salesmanship of livestock. Shorthorn World 28(22): 42-43. Feb. 10, 1944. 43.8 Sh8  
Use pictures, signs, and livestock in view from the highway.
- 13932 DAY, G. E. Adventures in judging livestock. Canad. Ayrshire Rev. 24: 313-316. Feb. 1944. 43.8 Ay72
- 13933 ENSMINGER, M. E., and WARWICK, E. J. Production testing as a basis for selection of farm animals. Amer. Dairyman 4(1): 4-5, 19-20. Feb. 5, 1944. 43.8 Am3
- 13934 FORBES, R. C. Pictures to secure livestock sales, are impressive. Shorthorn World 28 (22): 3, 45. Feb. 10, 1944. 43.8 Sh8
- 13935 GUARD, S. R. How to get your district livestock leader. Breeder's Gaz. 109(3): 7, 34. Mar. 1944. 49 B74  
Description of livestock improvement in Mississippi based on a recent law giving State aid.
- 13936 HART, G. H. Cooperation of the five animal science societies in the war effort. Jour. Anim. Sci. 3: 91-97. Feb. 1944. 49 J82  
The societies consist of: American Society of Animal Production; American Dairy Science Association; American Poultry Science Association; American Veterinary Medical Association; and United States Livestock Sanitary Association.
- 13937 HISTORIAL de estancias viejas: Estanzuela 1771. Aberdeen Angus, No. 20, p. 49-62. Spring 1943. 43.8 Ab33  
In Argentina.
- 13938 \*KRYLOV, P. Obespechit' skotu sytuifu i teplufu zimovku [Winter provision for livestock]. Sovkhoznoe Proizvodstvo 3(8): 45-46. Aug. 1943. 20 So85
- 13939 MAYNARD, L. A. Some interrelated problems of the animal industry and of human nutrition in the war emergency. Jour. Anim. Sci. 3: 88-90. Feb. 1944. 49 J82  
The discussion is based on the assumption that more food can be produced for direct human consumption than in growing crops for meat, eggs, and milk.
- 13940 \*OESER. Die tierzucht im besetzten mittleren Ostgebiet. Mitt. f. die Landw. 58: 843-845. Oct. 9, 1943. 18 D48M  
Care of livestock in occupied Russia.



13941 PEREZ TRONCOSO, CIRO. Hacia una ganaderia científicamente dirigida. Rev. Ganad. [Habana, 4 (1): 5. Jan. 1944. 49 R321

Concerning improvement of the livestock in Cuba.

13942 \*POLIAKOV, A. Dezinfektsiia skotnykh dvorov [Disinfection of animal quarters]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 53. Broadside. Moskva, 1943. 20 Ag88

13943 TUBBS, L. G. Better [livestock] judging for post-war shows. Farmer & Stock-Breeder 58: 105. Jan. 18, 1944. 10 F228

13944 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV. O savorze svinet, ovets i koz v raiony, osvobozhdennoye ot nemetskoi okkupatsii [Concerning the return of swine, sheep, and goats into the regions liberated from German occupation]. Sovkhoznoe Proizvodstvo 3(9): 1-2. Sept. 1943. 20 So85

Also in Sotsialist. Sel'sk Khoz. 14(10/11): 15-17. Oct./Nov. 1943. 281.8 So73

13945 URIARTE, G. F. Pastores oficiales. - Emiendas en los vagones de haciendas. - Furgones para troperos. - Nombramiento de inspectores de sarna. Fed. Rural. Uruguay. Rev. (3ra epoca) 6(25): 98-101. Oct. 1943. 9.9 R322

Recommendations for the livestock industry.

13946 WALKER, J. F. Why livestock? Sheepman 14: 306, 320. Feb. 1944. 45.8 Sh32

Advice against reducing the livestock industry.

13947 ZIER, THORNTON. Two ton litters in two years. Chester White Jour. 34(2): 4-5. Feb. 1944. 46.8 W582

Fitting livestock for show; experiences of a member of Future Farmers of America and the 4-H Club.

## CATTLE

### Breeds and Breeding

13948 BAILEY, G. K. Halter-breaking. South. Stockman 4(2): 14-15, 78. Feb. 1944. 49 So83

Development of the Wickwire Aberdeen-Angus herd at Earleville, Md.

13949 BAKER, A. L., and QUESENBERY, J. R. Fertility of range beef cattle. Jour. Anim. Sci. 3: 78. 87. Feb. 1944. 49 J82

13950 BARGALOW, R. A. Unusual outcome of superfoetation(?) in a cow. Vet. Med. 39: 64-65. Feb. 1944. 41.8 M69

Discussion by W. L. Williams.

13951 BARCLAY, J. R. A half century in Aberdeen-Angus history; the breed's progress since 1893. Scot. Farmer 51: 51-52. Jan. 1, 1943. 10 Sco8

13952 BONE, HUGH. Ayrshire cattle—a fifty years' survey. Scot. Farmer 51: 59-60. Jan. 1, 1943. 10 Sco8

13953 BONE, HUGH. Ayrshire cattle in Scotland, in 1942. Scot. Farmer 51: 136. Jan. 1, 1943. 10 Sco8

13954 BONSMAN, F. N. The influence of environmental factors on the age-correction factors for milk yield of Friesland cows in South Africa. Union So. Africa. Dept. Agr. and Forestry. Bul. 242, 18 p. Pretoria, 1943. 24 So84P

13955 BORLAND, A. A. Penn State College Ayrshires. Ayrshire Digest 30(2): 13, 30-31. Feb. 15, 1944. 43.8 Ay7

13956 CHURCHILL, MAXINE. Brown Swiss gives all-star performance in Southern States. South. Dairy Prod. Jour. 35(2): 18-20. Feb. 1944. 44.8 So83

13957 CLARK, J. L. The growth of Hollyfield... well known Aberdeen-Angus establishment at Manquin, Va. South. Stockman 4(2): 8-9, 82. Feb. 1944. 49 So83

13958 CLARKE, H. A. S. Proven [dairy] bull breeding. Jersey Cow 2(7): 17-19. Dec. 1943. 43.9 En3J

13959 CONKLIN, C. T. Ayrshires — characteristics and development. Hoard's Dairyman 89: 138, 140-141. Mar. 10, 1944. 44.8 H65

13960 CONKLIN, C. T. A critical analysis of artificial breeding of dairy cattle. Ayrshire Digest 30(2): 5, 29-30. Feb. 15, 1944. 43.8 Ay7

13961 DANA, E. A. A profitable Ayrshire partnership. Ayrshire Digest 30(2): 13, 48. Feb. 15, 1944. 43.8 Ay7

13962 DARLOW, AL. About the future of the cattle business; State Angus breeders lead the way. Ranchman 3(10): 14. Feb. 1944. 49 R15

13963 DAWSON, J. R., and GRAVES, R. R. How fast can dairy cattle increase; two hypothetical herds of 1,000 used in illustration. Jersey Bul. 63: 191, 216. Feb. 20, 1944. 43.8 J48

Also in Holstein-Friesian World 41: 294, 300. Mar. 4, 1944. 43.8 H742.

13964 DAY, D. I. Notes on two South Carolina [Hereford] herds and their management. South. Stockman 4(3): 10, 93. Mar. 1944. 49 So83

13965 DAY, G. E. Good blood carries on [unbroken line of great Shorthorn sires]. Shorthorn News 4(4): 10-11. Dec. 1943. 43.8 Sh85

13966 DEAKIN, ALAN, MUIR, G. W., and DAVIES, W. D. Artificial insemination of dairy cattle. Canad. Guernsey Breeders' Jour. 17(4): 4-5, 11. Nov. 1943. 43.8 Cl63

13967 DIXON, E. W. Chesterfield dairy Shorthorns, noted stud in the Pentland Hills; founded by Robert Lidgett, Esq. Austral. Farm and Home 52: 362-363. Nov. 30, 1943. 23 Au7

13968 DOWN, IAIN. Fifty years among Highland cattle. Scot. Farmer 51: 55-56. Jan. 1, 1943. 10 Sco8

13969 DRYDEN, W. A. Cows make the herd. Shorthorn News 4(4): 22. Dec. 1943. 43.8 Sh85

Importance of breeding.

13970 ELLIOTT, IRVINE. Two generations of great proved Guernsey sires in service [through artificial breeding]. [N. Y.] Dutchess Co. Farm Bur. News 26 (7): 3. Jan. 1944. 275.293 N. Y., Dutchess Co.

13971 FISHER, W. H. World's oldest [Brahman or Zebu] cattle. West. Livestock Jour. 22(18): 80-81. Feb. 1944. 6 F2278

13972 GIBSON, JAMES. Herd management of dual purpose Shorthorns. Shorthorn News 4(4): 7-8, 9. Dec. 1943. 43.8 Sh85

13973 GLENKENS. Galloway cattle reminiscences. Scot. Farmer 51: 53-54. Jan. 1, 1943. 10 Sco8

13974 GOODWIN, J. P. English Ayrshire breeders' aims. Farmer & Stock-Breeder 58: 144. Jan. 25, 1944. 10 F228

13975 GOODWIN, J. P. Future control of [dairy] cattle; insemination. Farmer & Stock-Breeder 58: 221. Feb. 8, 1944. 10 F228

13976 HACKNEY, MRS. H. H. About Cold Saturday [an Aberdeen-Angus farm]... home of Ravenswood Pride Eric, Finksburg, Md. South. Stockman 4(2): 12-13. Feb. 1944. 49 So83

13977 HAMMOND, JOHN. Scientific aspects of breeding dairy cattle. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 489-492. Feb. 1944. 10 G79J

13978 HARRISON, E. The breeding and artificial insemination of dairy cows in Trinidad, B. W. I. Trop. Agr. [Trinidad] 21(1): 3-7. Jan. 1944. 26 T754

13979 HERMAN, H. A. Improving dairy cattle through a planned breeding program. Kans. City Coop. Dairyman 13(11): 1-2. Nov. 1943. 280.28 K13



- 13980 HOBSON, GEORGE. British Friesian progress. Scot. Farmer 51: 57-58. Jan. 1, 1943.  
10 Sco8
- 13981 KINCAID, JOHN. Belted Galloway reminiscences. Scot. Farmer 51: 54. Jan. 1, 1943.  
10 Sco8
- 13982 KING, F. M. An early Longhorn cattle drive by a pioneer cattleman. West. Livestock Jour. 22(18): 73-74. Feb. 1944. 6 F2278
- 13983 KNIGHT, C. R. The golden Guernsey---the market milk cow supreme. West. Livestock Jour. 22(18): 98, 108-109. Feb. 1944. 6 F2278
- 13984 LAMB, L. W. The value of vigor of the dairy cow. Amer. Dairyman 4(1): 6-7, 20-21. Feb. 5, 1944. 43.8 Am3
- A breeding problem.
- 13985 LLOYD, E. W. Have we too many breeds of cattle? Field 183: 74. Jan. 15, 1944. 10 F45
- 13986 M'LAREN, J. T. Shorthorns dual purpose, looking back fifty years. Scot. Farmer 51: 49-50. Jan. 1, 1943. 10 Sco8
- 13987 MANSFIELD, W. S., STEWART, W. A., and ROSS-TAYLOR, SIR JOSHUA. Cattle at the cross roads. VI. Is milk the only thing? Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 487-489. Feb. 1944. 10 G79J
- Dual purpose cattle.
- 13988 MILLER, WALTER. From gold mines to golden Guernseys; being a story of the trend toward dairying in Placer County, California. West. Livestock Jour. 22(18): 99. Feb. 1944. 6 F2278
- 13989 NIEDERER, F. M. Visita á una estancia Paraguaya. Hereford 10: 355-358. Nov./Dec. 1943. 43.8 H42
- Hereford cattle farm in Paraguay.
- 13990 NORTON, H. W., JR. Holsteins--characteristics and development. Hoard's Dairyman 89: 116, 118. Feb. 25, 1944. 44.8 H65
- 13991 PELLETIER, J. R. Ayrshires fight hard in Mid-West. (Concl.) Canad. Ayrshire Rev. 24: 309-310, 316-319. Feb. 1944. 43.8 Ay72
- 13992 PELLETIER, J. R. Un demi-siècle d'élevage Ayrshire. Canad. Ayrshire Rev. 24: 323-324. Feb. 1944. 43.8 Ay72
- 13993 RAITHBY, G. E. Ramblings on dual-purpose Shorthorns. Shorthorn News 4(4): 40-41. Dec. 1944. 43.8 Sh85
- 13994 RICHARDSON, T. C. Golden Guernseys grow in favor. Farmer-Stockman 57: 97, 131. Mar. 1944. 6 Ok45
- 13995 SIESS, FRED. Dairy breed associations. Guernsey Breeders' Jour. 65: 278. Feb. 15, 1944. 43.8 G93
- 13996 SUTHERLAND, ALEX. Aberdeen-Angus cattle in Scotland, in 1942. Scot. Farmer 51: 132-134. Jan. 1, 1943. 10 Sco8
- 13997 SUTHERLAND, ALEX. Galloways and Highlanders in Scotland, in 1942. Scot. Farmer 51: 135. Jan. 1, 1943. 10 Sco8
- 13998 SUTHERLAND, ALEX. Shorthorn cattle in Scotland, in 1942. Scot. Farmer 51: 128-131. Jan. 1, 1943. 10 Sco8
- 13999 SWAFFAR, PAUL. About color in Herefords. East. Breeder 5(10): 33-34. Mar. 1944. 49 V81
- 14000 SWANSON, E. W., and HERMAN, H. A. A satisfactory method of shipping dairy bull semen long distances. Jour. Dairy Sci. 27: 143-146. Feb. 1944. 44.8 J822
- 14001 TAUSSIG, STEFAN. Plenty of saboteurs around the dairy barn. [N. Y.] Chemung Co. Farm Bur. News 29(2): 9. Feb. 1944. 275.293 N. Y. Chemung Co.
- Artificial breeding should permit the elimination of excessive dairy bulls.
- 14002 TAYLOR, R. W. Stick to a breed of dairy cattle. New Zeal. Dairy Exporter 19(6): 7-8. Feb. 1944. 44.8 N484
- 14003 TOMHAVE, W. H. Popularity of Aberdeen-Angus cattle shown by many fast growing herds. Kans. Stockman 28(5): 68-69. Mar. 1944. 49 K134
- 14004 TOMSON, C. K. Shorthorns for the Southwest. Ariz. Stockman 10(1): 4, 12-13. Feb. 20, 1944. 49 Ar4
- 14005 VEIGA, J. S. Origen y características de la raza Caracú. Res 11: 14395-14397. May 20, 1943. 286.85 R31
- Author's name given as J. S. Vega.
- 14006 WARD, A. H. Dairy sire survey and investigational work in New Zealand. New Zeal. Dairy Bd. Ann. Rpt. and Statement of Accts. (1943) 19: 33-36. 44.9 N489A
- Includes mastitis investigation.
- 14007 \*WINNIGSTEDT. Züchterarbeit zur erhöhung des fettgehaltes. Mitt. f. die Landw. 58: 882-884. Oct. 23, 1943. 18 D48M
- Breeding cattle for increased milk-fat production.
- 14008 YOUNG, FRANK. Help for the shy breeder. Successful Farming 42(2): 50, 108. Feb. 1944. 6 Sul2
- Dairy cattle breeding.
- 14009 ZUBERBUHLER, R. I. Sigue en progreso la cría de la raza Aberdeen-Angus. Aberdeen Angus, No. 20, p. 89, 91-94. Spring 1943. 43.8 Ab33
- "De La Nación del 21 de agosto de 1943."  
In Argentina.

#### Feeds and Feeding

- 14010 \*ALIMPIEV, N., and MEL'NICHENKO, P. Soderzhanie skota na pastbishchakh [Maintenance of cattle in the pastures]. Sovkhoznoe Proizvodstvo 3(6/7): 36-37. June/July 1943. 20 So85
- Advantages of pasture rotation for dairy cattle as shown at the state breeding farm of Chalobai in Kazakhstan SSR.
- 14011 ANDERSON, LYNN. Few beef cattle going to feed pens now. Ariz. Farmer 23(4): 14. Feb. 12, 1944. 6 Ar44
- 14012 BARLOW, H. B. Feeding dairy cattle. So. Austral. Dept. Agr. Jour. 47: 107-109. Oct. 1943. 23 So84
- 14013 BRETtingham-MOORE, G. R. Rearing dairy calves. Queensland Agr. Jour. 57: 378-381. Dec. 1943. 23 Q33
- Essentials of calf feeding.
- 14014 BRIEN, J. D. Some observations on the Ontario feeder beef cattle problem. Shorthorn News 4(4): 20. Dec. 1943. 43.8 Sh85
- 14015 CRANDALL, W. T. A quiz for dairymen. [N. Y.] Chenango Co. Farm and Home Bur. News 29(2): 8. Feb. 1944. 275.293 N. Y. Chenango Co.
- Deals with dairy cattle feeding, care and management.
- 14016 CRESPO T., RODOLFO. La Alimentación artificial del ternero. Agr. Mod. [Habana] 1(4): 6-7. Sept. 1943. 8 Ag882
- 14017 \*DOBLINGER, SEB. Mineralstoffbedarf im haushalt unserer milchkühe. Mitt. f. die Landw. 58: 912. Oct. 30, 1943. 18 D48M
- 14018 DUCK, R. W. Farm and feed factors for dairy. Rural New-Yorker 103: 70, 72. Feb. 5, 1944. 6 R88
- Consider feed requirements before beginning dairy farming.
- 14019 ELLENBERGER, H. B. Feeding dairy cows in 1944; pertinent facts on shortage of concentrates. East. Milk Prod. 20(1): 7; (2): 9-10. Jan. 1, 1944. 280.28 Sh3



14020 EUDALY, E. R. Provide the cows with small grain pasture. *Tex. Farming and Citric*. 20(7): 16. Jan. 1944. 80 T31

14021 FEEDING dairy cows in New England in 1944. *Hoard's Dairymen* 89: 101. Feb. 25, 1944. 44.8 H65

14022 FOUNTAINE, F. C., and BOLIN, D. W. The milk and butterfat production responses to shark liver oil in the ration. *Jour. Dairy Sci.* 27: 155-158. Feb. 1944. 44.8 J822

14023 GREEN, H. B. Straw pulp and silage for cattle; making muck. *Farmer & Stock-Breeder* 58: 269. Feb. 15, 1944.

Small profit, but manure procured for 200 acres, and cattle are well fed.

14024 HASTINGS, C. C. Vitamin-A deficiency in a herd of fat cattle. *Amer. Vet. Med. Assoc. Jour.* 104: 159-160. Mar. 1944. 41.8 Am3

14025 HERMAN, H. A. Feeding and managing the dairy herd for wartime production. *Guernsey Breeders' Jour.* 65: 360-361, 368. Mar. 1, 1944. 43.8 G93

14026 HILL, O. J. High protein feeds for dairy cows. *Washcoegg* 21(10): 51. Feb. 1944. 47.8 W27

14027 \*JARL, FOLKE. Orienterande försök med tillskott av fodercellulosa till betande mjölkkor. *K. Lantbruksakad. Tidskr.* 82: 57-71. 1943. Ref. 104 Sw3

German summary at end of article.

Feeding of cellulose fodder to dairy cows on pasture.

14028 KRAUSS, W. E. Nutrition deficiencies of dairy calves. *Guernsey Breeders' Jour.* 65: 276-277, 287. Feb. 15, 1944. 43.8 G93

14029 LAW, F. D., and STEVENS, TED. Beet tops prove invaluable this year in cattle feeding. *Through the Leaves* 32(1): 7-9. Jan./Feb. 1944. 66.8 T41

14030 \*LOBANOV, A. Sapropel' v rafisionakh korov i svinei [Sapropel in the rations of dairy cows and swine]. *Sovkhoznoe Proizvodstvo* 3(6/7): 35. June/July 1943. 20 So85

14031 LUCAS, H. L., and LOOSLI, J. K. The effect of fat upon the digestion of nutrients by dairy cows. *Jour. Anim. Sci.* 3: 3-11. Feb. 1944. 49 J82

14032 MORRISON, F. B. Wartime feed problems of dairymen. *South. Dairy Prod. Jour.* 35(2): 50-51. Feb. 1944. 44.8 So83

14033 REYES, J. A. Alimentación del ganado. *Chacra* 14(158): 74-76. Dec. 1943. 9 C34

Restricted to dairy cattle.

14034 SÁNCHEZ HERNÁNDEZ, FÉLIX. Nuevos hechos y nuevas ideas sobre vitaminas y avitaminosis. Observaciones de lesiones provocadas en el ganado productor de leche. *Res* 11: 14055-14056. Feb. 20, 1943. 286.85 R31

14035 \*SCHMIDT, J., and KLIESCH, J. Die eignung von kartoffeleiweisspulpe als milchviehkraftfutter. *Züchtungskunde* 18: 43-49. Feb. 1943. 49 Z8

14036 \*SCHMIDT, J., and KLIESCH, J. Untersuchungen über die verwertung von harnstoffstickstoff durch wachsende kälber. *Züchtungskunde* 18: 1-11. Jan. 1943. 49 Z8

14037 \*SCHMIDT, W. Einfluss der sommerfütterung auf die fortpflanzungsstörungen des weiblichen rindes. *Mitt. f. die Landw.* 58: 787-789. Sept. 25, 1943. 18 D48M

Influence of pasture grass and pasture fertilization on the health of dairy cows and on milk production.

14038 \*SCHMIDT, WALTER. Einfluss der winterfütterung auf die fortpflanzungsstörungen des weiblichen rindes. *Mitt. f. die Landw.* 58: 769-771. Sept. 18, 1943. 18 D48M

Influence of winter feeds on milk production.

14039 SEATH, D. M. A 2 x 2 factorial design for double reversal feeding experiments [with dairy cows]. *Jour. Dairy Sci.* 27: 159-164. Feb. 1944. 44.8 J822

14040 STOCKLEY, J. E. Pasture for Ontario beef herds. *Shorthorn News* 4(4): 24. Dec. 1943. 43.8 Sh85

14041 \*STEPPE, RUD. Zur einwandfreien milchablieferung auch bei verfütterung von gärfutter. *Milchw. Zentbl.* 72: 92-93. July/Sept. 1943. 44.8 M59M

Sanitary milk production and dairy cattle feeding.

14042 TAYLOR, B. R. Producing choice finished yearlings [beef steers]. *Cattleman* 30(9): 111-113. Feb. 1944. 49 C29

Mainly a discussion of feeding and nutrition.

14043 THOMPSON, JOHN. Planned cropping for the Jersey herd. *Jersey Cow* 2(7): 12-13. Dec. 1943. 43.9 En3J

14044 VENKATARAMAN, K. S. Food value of rain-tree pod. *Indian Vet. Jour.* 20: 136-137. Nov. 1943. 41.8 In2

*Enterolobium saman.*

14045 WOLF, A. M. Too much corn in dairy rations. *Successful Farming* 42(3): 68-69. Mar. 1944. 6 Su12

### Veterinary Medicine

14046 \*ADAMECK, W. Haltet den viehbestand gesund! *Mitt. f. die Landw.* 58: 839-840. Oct. 9, 1943. 18 D48M

Disease control and proper feeding.

14047 ANDBERG, W. G., and WEIRETHER, F. J. The effect of chemotherapeutic agents on the bovine mammary gland. II. The effect of tyrothricin. *Amer. Jour. Vet. Res.* 5: 6-15. Jan. 1944. 41.8 Am3A

14048 BAKER, M. L. Anasarca in steers due to faulty diet. *South. Stockman* 4(2): 44. Feb. 1944. 49 So83

14049 BARTLETT, D. E., HAMMOND, D. M., and GARLICK, G. G. Attempts to develop active immunity to bovine trichomoniasis in breeding females by inoculation prior to breeding age. *Amer. Jour. Vet. Res.* 5: 17-21. Jan. 1944. 41.8 Am3A

14050 BARTLETT, J. W. What we are learning about Bangs. *N. J. Farm and Garden* 15(2): 14-15. Feb. 1944. 6 G162

Also in *Holstein-Friesian World* 41: 291, 327. Mar. 4, 1944. 43.8 H742

14051 BERG, L. S. Improper castration in feeder steers. *Vet. Med.* 39: 75. Feb. 1944. 41.8 M69

14052 \*BLOM, ERIK. A new and uncomplicated method for the staining of bull sperms. *Skand. Vet. Tidskr.* 35: 428-431. July 1943. 41.8 Sk1

14053 BRECHEISEN, A. W. An interesting case of parasitism [successfully treated with phenothiazine]. *Vet. Med.* 39: 76. Feb. 1944. 41.8 M69

14054 BRITTON, J. W. A disease complex in calves on the north coast of California. *Cornell Vet.* 34: 30-37. Jan. 1944. 41.8 C81

Parasitism an important factor.

14055 CHAVARRIA A., CARLOS. La anaplasmosis en el ganado bovino de Costa Rica. *Costa Rica. Dept. Nac. de Agr. Bol. Tec.*, No. 43, 4 p. San Pedro de Montes de Oca, 1943. 102 C822

14056 CONN, G. H. Vaccination of adult cattle [against brucellosis]. *Shorthorn World* 28(22): 18-19. Feb. 10, 1944. 43.8 Sh8

14057 DAVIDSON, H. R. Thyroid gland and bigger milk yields. *Farmer & Stock-Breeder* 58: 67, 72. Jan. 11, 1944. 10 F228

Physiological effects of feeding iodinated proteins.



- 14058 DE KOCK, GILLES. Problem of bovine tuberculosis eradication scheme in the Union of South Africa. *Farmer's Weekly* [Bloemfontein] 66: 509. Dec. 1, 1943. 24 F225
- 14059 DURRELL, W. B. A report on the prevention of calf scours. *Canad. Jour. Compar. Med.* 8: 14-15. Jan. 1944. 41.8 C162
- 14060 ERRECALDE, J. E. El parche tuberculínico en el diagnóstico de la tuberculosis bovina. *Rev. de Med. Vet.* [Buenos Aires] 24: 401-406. July/Aug. 1943. 41.8 B86
- 14061 ESCOBAR, RÓMULO, JR. Retención de las secundinas en las vacas. *Agr. Mex.* 59(11): 1-3. Nov. 1943. 8 Ag8
- 14062 FERGUSON, JEAN. A bacteriological study of the infections which follow injury to the bovine udder. *Amer. Jour. Vet. Res.* 5: 87-92. Jan. 1944. 41.8 Am3A
- Relation of injury to mastitis.
- 14063 FERRER Y DEL CASTILLO, V. L. Carbuco sintomático. *Rev. Ganad.* [Habana] 4(1): 9-10. Jan. 1944. 49 R321
- 14064 FIDLER, C. E. Illinois starts control of Bang's disease on an area basis. *Pure Milk* 17(12): 12-13. Dec. 1943. 280.28 P97
- 14065 FOLGER, G. C. The treatment of vaginitis in cows pre- and postconception with compound silver picrate powder. *Amer. Vet. Med. Assoc. Jour.* 104: 73-76. Feb. 1944. 41.8 Am3
- 14066 FOLSE, C. D. Removal of ocular neoplasms. *Vet. Med.* 39: 73-74. Feb. 1944. 41.8 M69
- 14067 GARLICK, G. G., BARTLETT, D. E., and HAMMOND, D. M. Attempts to demonstrate passive immunity in bovine trichomoniasis. *Amer. Jour. Vet. Res.* 5: 14-16. Jan. 1944. 41.8 Am3A
- 14068 GIOVINE, N. Pneumonia enzootica, uma moléstia frequente nos bezerros zebús. *Ceres* [Brazil] 4: 416-418. July/Aug. 1943. 9.2 C332
- 14069 GOLD, T. N. Some aspects of bovine teat surgery. *Vet. Rec.* 55: 363-366. Oct. 2, 1943. 41.8 V641
- 14070 HAFFIZ, D. A. Freak of nature: cyclop or monophthalmia (a) prostomus artyrochus (irregular mouth and no nose). Dystokia from sterno-abdominal presentation. *Indian Vet. Jour.* 20: 139-140. Nov. 1943. 41.8 In2
- 14071 HAMMOND, D. M., and DAVIS, L. R. An improved method for sporulating oöcysts of coccidia in bovine fecal material. *Amer. Jour. Vet. Res.* 5: 70-71. Jan. 1944. 41.8 Am3A
- 14072 HELMAN, M. B. La giba en el ganado zebú. Su grasa constituye una reserva alimenticia para las épocas desfavorables. *Res* 11: 14381. May 20, 1943. 286.85 R31
- Anatomy and physiological function of the hump of Zebu cattle.
- 14073 HENLEY, TRUMAN. New drug - big future. Stilbestrol, the yet experimental, induces milk flow, combats sterility, removes afterbirths. *Successful Farming* 42(3): 20-21, 114. Mar. 1944. 6 Sul2
- 14074 HOUELOT, CAMILO. Bronquitis vermiciforme en los terneros. *Rev. de Agr. y Com.* [Panama] 3(27): 45-47. Nov. 1943. 8 R3291
- 14075 HUBBARD, E. D. Calfood vaccination against brucellosis. *Amer. Vet. Med. Assoc. Jour.* 104: 84-85. Feb. 1944. 41.8 Am3
- 14076 \*JANEFF, ELISSAY. Der erste befund von Spirochöta theileri (Laveran 1904) in Bulgarien. *Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere* 59: 225-227. Feb. 8, 1943. 41.8 Z52
- 14077 KHADER, S. A. Keratitis and its treatment with sulphanilamide. *Indian Vet. Jour.* 20: 138-139. Nov. 1943. 41.8 In2
- 14078 KILLHAM, B. J. A letter anent Bang's vaccination. *M. S. C. Vet.* 4: 35-36, 45. Fall 1943. 41.8 M582
- 14079 KLUSSENDORF, R. C. Brucellosis - Bang's disease, contagious abortion. (Concl.) *Hoard's Dairyman* 89: 70, 76-77. Feb. 10, 1944. 44.8 H65
- 14080 \*LARSSON, E. L. Letaler i svensk laglandsboskap. *K. Lantbruksekad. Tidskr.* 82: 229-239. 1943. 104 Sw3
- English summary.
- Hereditary lethal abnormalities in Swedish Holstein-Friesian calves.
- 14081 MCKAY, K. G. California's fight against bovine mastitis. *Calif. Dairyman* 23(22): 11-13. Dec. 11, 1943. 44.8 C12
- 14082 MEREDITH, W. H. Cleft palate in calf. *Vet. Med.* 39: 35. Jan. 1944. 41.8 M69
- 14083 MESSERVY, A. Observations on clinical acetonaemia in the cow in the island of Jersey. *Vet. Rec.* 55: 379-382. Oct. 16, 1943. 41.8 V641
- 14084 MILLER, W. T., and HEISHMAN, J. O. The occurrence of *Streptococcus agalactiae* in colostrum of heifers under natural conditions and following artificial exposure. *Amer. Jour. Vet. Res.* 5: 55-59. Jan. 1944. 41.8 Am3A
- 14085 MONNIG, H. O. Worms in cattle. *Farming in So. Africa* 18: 824. Nov. 1943. 24 So842
- 14086 MOORE, E. V. New calfood vaccination for brucellosis plan. [N. Y.] Rensselaer Co. Farm Bur. *News* 20(11): 3. Feb. 1944. 275.293 N. Y., Rensselaer Co.
- 14087 MUKERJI, P. C. Paraphymosis in bullock. *Indian Vet. Jour.* 20: 140-141. Nov. 1943. 41.8 In2
- 14088 MURPHY, J. M., and others. Physical examination of the udder in the diagnosis of chronic bovine mastitis. *Cornell Vet.* 34: 1-12. Jan. 1944. 41.8 C81
- D. H. Udall, S. D. Johnson, and L. J. Tompkins, joint authors.
- 14089 MURPHY, J. M. The relationship of teat patency to udder infection. *Cornell Vet.* 34: 64-68. Jan. 1944. 41.8 C81
- 14090 \*PETERSEN, NIS. Versuche zur bekämpfung von kälberkrankheiten in Schweden. *Mitt. f. die Landw.* 58: 932-933. Nov. 6, 1943. 18 D48M
- 14091 PETERSEN, W. E. Physiological factors in lactation relating to milking and mastitis. *Cornell Vet.* 34: 38-51. Jan. 1944. 41.8 C81
- 14092 PETERSEN, W. E., and BOYD, W. L. Stilbestrol helps solve sterility. *Minn. Farm and Home Sci.* 1(2): 3-4. Feb. 15, 1944. 100 M668
- 14093 ROBINSON, E. M. Some diseases of calves (2). *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 203, 2 p. Pretoria, 1943. 24 So82P
- 14094 SCHALM, O. W. Treatment of chronic mastitis during the dry period. *Amer. Vet. Med. Assoc. Jour.* 104: 78-83. Feb. 1944. 41.8 Am3
- 14095 SCHLOTTHAUER, C. F. Bovine mastitis: its etiology, diagnosis and treatment. *North Amer. Vet.* 25: 155-162. Mar. 1944. 41.8 N812
- 14096 \*SCHOOP, GERHARD. Die bruzellose der rinder im Wartheland. *Deut. Tierärztl. Wchnschr.* 50: 323-325. Aug. 1, 1942. 41.8 D482
- 14097 \*STOCKMAYER, W. Technik und anwendungsbereich der komplementbindungsmethode zur feststellung der eutertuberkulose. *Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere* 59: 16-24. Oct. 16, 1942. 41.8 Z52
- 14098 TUTT, J. F. D. Can contagious abortion be prevented? *Dairy Farmer* [London] 17(1): 14. Jan. 1944. 44.8 D1414
- 14099 VENKATARAMAN, K. S. Hydrocyanic acid poisoning in cattle. *Indian Vet. Jour.* 20: 137-138. Nov. 1943. 41.8 In2
- From eating withered shoots of jonna (sorghum).



14100 \*VISHNEVSKIĬ, P. P. Rol' kontakta v zara-zhenii krupnogo rogatogo skota ikt erogemoglobinuriei [Role of contact in infecting cattle with ikt erogemoglobinuria]. Veterinariia 19(10): 13-16. Oct. 1942. 41.8 V6426

14101 WHITEHAIR, C. K., and MORGAN, B. B. The hydrogen ion concentration of the preputial cavity of the bull. Amer. Jour. Vet. Res. 5: 93-95. Jan. 1944. 41.8 Am3A

14102 WILKINSON, J. F. Let's have a mastitis control plan. Hoard's Dairyman 89: 108. Feb. 25, 1944. 44.8 H65

14103 WILLIAMS, J. D. Successful therapy for cyanogen poisoning in cattle. Vet. Med. 39: 37-38. Jan. 1944. 41.8 M69

Wilted Amaranthus source of hydrocyanic acid.

14104 WRIGHT, H. K. El carbunco sintomatico (blackleg). Granja [Mexico], 11: 198-200. Nov. 1943. 8 G76

#### Miscellaneous

14105 \*ABRAMOV, P. Plan provedeniia zimovki skota [Planning winter care of dairy cattle]. Sovkhoznoe Proizvodstvo 3(9): 8-11. Sept. 1943. 20 So85

14106 \*ABTS, HERMANN. Zeitgemässe betrachtungen über unsere rinderleistungszucht. Mitt. f. die Landw. 58: 941-943. Nov. 13, 1943. 18 D48M

Milk production in Germany.

14107 ANDERSON, I. M. C. Dairying in Alaska at 60° below zero. Pacific Dairy Rev. 44(2): 8-9. 28-29. Feb. 1944. 286.85 P11

14108 ANGELL, G. N. Still making the best better. Oreg. Farmer 67: 103, 115. Mar. 2, 1944. 6 Or32

Increasing milk production on a dairy farm in Oregon.

14109 BAKER, B. R. Not all losses are avoidable in care and management of dairy cattle. Ayrshire Digest 30(2): 11, 37. Feb. 15, 1944. 43.8 Ay7

14110 BLACK, W. H. The care of beef calves. Shorthorn News 4(4): 9. Dec. 1943. 43.8 Sh85

14111 BRANDT, C. G. Sound udders for high production. Hoard's Dairyman 89: 123. Feb. 25, 1944. 44.8 H65

Dairy cattle management and sanitation.

14112 \*BUNGER, H. Haltung und fütterung der zugochsen. Mitt. f. die Landw. 58: 944. Nov. 13, 1943. 18 D48M

14113 BULL, L. B. New Zealand, and Dapto New South Wales, experiences show savings from non-stripping milking. Farmer and Settler 37(48): 5. Dec. 30, 1943. 23 F226

14114 CANNON, C. Y. Predicting 10-month yields from short time records of dairy cows. Amer. Dairyman 4(1): 16-17. Feb. 5, 1944. 43.8 Am3

14115 CLARK, N. M. Hereford's head man; R. J. Kinzer owns no cattle but is, perhaps, the most influential living cattleman. He helps to "manufacture bulls." Country Gent. 114(3): 17, 65-66. Mar. 1944. 6 C833

14116 COVERDALE, R. J. Don't put your calf in prison. Amer. Hereford Jour. 34(19): 78. Feb. 1, 1944. 43.8 Am32

Care and management.

14117 CUNNINGHAM, L. C. How many dairy calves should I raise in 1944? Dairyman's League News 28 (4): 6. Feb. 15, 1944. 44.8 DL432

14118 DACY, G. H. Descornamiento del ganado vacuno. Coop. Agr. Honduras, 3(30): 4-7. Mar. 1942. 280.28 C7874

14119 DAHLBERG, A. C. Dairying in Nicaragua. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 33-35. Feb. 1944. 1 F752A

14120 DICKINSON, C. L. Fast milking. Amer. Agr. 41: 106. Mar. 4, 1944. 6 Am3

14121 FITCH, F. W. Eight point dairy production program. South. Dairy Prod. Jour. 35(2): 22. Feb. 1944. 44.8 So83

14122 GARZON, ANTONIO. Sexta feria exposición ganadera de Sancti-Spiritus. Vaqueros 4(1/2): 11. Jan./Feb. 1944. 43.8 V41

14123 GIDLOW, ELSA. Dairy Belle Farms 'get out of the red' serving as milkman to Uncle Sam. Dairy World [Chicago], 22(9): 13-15. Feb. 1944. 44.8 DL423

Efficient management of a California dairy farm.

14124 GONZÁLEZ VIDART, ARTURO. "A la industria lechera le corresponde un puesto de honor en la evolución económica que se está estructurando en estos momentos." Mercados del Mundo 7(35): 2-4. Sept. 1943. 286.9 Ur82

A survey of the dairy industry in Uruguay.

14125 GREEN, H. B. Scotland's largest milk unit. Farmer & Stock-Breeder 58: 226. Feb. 8, 1944. 10 F228

Operation of Glasgow Corporation Farms.

14126 GREENE, SAM. Views post-war dairying with optimism. Guernsey Breeders' Jour. 65: 275. Feb. 15, 1944. 43.8 G93

14127 HAMILTON, L. H. Selecting, feeding and grooming beef cattle, champions. Shorthorn News 4(4): 18-19. Dec. 1943. 43.8 Sh85

Methods of Quebec breeders in fitting Shorthorn cattle for show and sale.

14128 HATTER, J. O. Dairying on wheat farms in South Australia. So. Austral. Dept. Agr. Jour. 47: 12-15. Aug. 1943. 23 So84

14129 HATTON, HARTWELL. More cattle in Alabama. Nation's Agr. 19(2): 7, 17, 18. Feb. 1944. 280.82 B89

A brief history of the cattle industry in Alabama.

14130 HENDRIX, J. M. Dayton Moses, cow hand, counselor and friend of the Southwest. Cattleman 30(9): 21, 99. Feb. 1944. 49 C29

14131 HILL, O. J. Eight ways to boost dairy farm's output. Wash. Farmer 69(5): 11. Mar. 2, 1944. 6 R151

14132 HOLDING, VERA. [Dairy] farming is a family affair. Farmer-Stockman 57: 47. Feb. 1944. 6 Ok45

14133 HOPSON, G. H. De Laval speedway milking maintains udder health and high production at the Hedge Farm [Pine Plains, N. Y.]. De Laval Monthly 38(1): 8-9, 13. Jan./Feb. 1944. 44.8 D37

14134 \*HOUDINIÈRE, A. L'hérédité et la sécrétion du lait. Lait 23: 241-249. July/Sept. 1944. 44.8 LL43

Milk secretion of dairy cattle.

14135 HUME, C. M. Dairy herd testing in New Zealand. New Zeal. Dairy Bd. Ann. Rpt. and Statement of Accts. (1943) 19: 18-32. 44.9 N489A

14136 INCIARTE, R. R. Industria lechera en el Uruguay. Indus. Lechera 25: 559-569, 571-577. Sept. 1943. 44.8 In26

14137 \*IŪRMALIAT, A. Razdoi korov [The milking of cows]. U. S. S. R. Narod. Zeml. Agrotekhsobety Kolkhoz. No. 88, 8 p. folder. Moskva, 1943. 20 Ag88

Feeding and regularity of milking for increased milk production.

14138 KEEVIL, ROBERT. The man behind the milking machine; more troubles are caused by a careless or disinterested operator than by the faults in the machine itself. Farmers Weekly [London], 20(4): 27, 31. Jan. 28, 1944. 10 F2226



- 14139 LAMAR ROURA, JUSTO. La ganadería Cubana. Rev. Ganad. Habana, 4(1): 18-19. Jan. 1944. 49 R321  
Restricted to beef and dairy cattle.
- 14140 \*LANGE, W. Warum verstärkung des nachwuchses unserer rinderbestände? Mitt. f. die Landw. 58: 831-832. Oct. 9, 1943. 18 D48M  
Dairy cattle improvement and milk production in Germany.
- 14141 LONGLEY, HAL. More weight...more profit: "remember you sell beef by the pound." Shorthorn World 28(22): 8. Feb. 10, 1944. 43.8 Sh8  
Description of a Shorthorn cattle ranch.
- 14142 MACEWAN, J. W. G. Steers for the spring shows. Shorthorn News 4(4): 12. Dec. 1943. 43.8 Sh85
- 14143 MACKIE, MAITLAND. More milkings: more milk. Farmer & Stock-Breeder 58: 266. Feb. 15, 1944. 10 F228
- 14144 MACKINTOSH, JAMES. Dairy farming and dairy work. Roy. Agr. Soc. England Jour. 104: 36-45. 1943. 10 R81  
Discusses breeding dairy cattle, milking, milk secretion, and milk testing.
- 14145 \*MEYER, LOTHAR. Bullenhaltung. Mitt. f. die Landw. 58: 929. Nov. 6, 1943. 18 D48M
- 14146 MORRISON, S. R. Proper development of young purebreds [beef calves] important. South. Stockman 4(2): 34. Feb. 1944. 49 So83
- 14147 MOSIER, S. C. Some instructional techniques for conducting dairy-herd improvement projects. Agr. Ed. Mag. 16: 146-147. Feb. 1944. 275.8 Ag8
- 14148 NORTON, C. L. The importance of proper milking. Dairyman's League News 28(4): 6, 13. Feb. 15, 1944. 44.8 D1432
- 14149 NÚÑEZ, C. A. "La ganadería lechera es la evolución más lógica y propicia y más de acuerdo con las características del medio nacional [Uruguay]." Mercados del Mundo 7(35): 4-5. Sept. 1943. 286.9 Ur82
- 14150 PERRY, E. J. Continuous testing of dairy cows; pays; proved by men who have tried it. Jersey Bul. 63: 195, 221-222. Feb. 20, 1944. 43.8 J48
- 14151 PERRY, E. J. Good winter management helps develop normal dairy calves. N. J. Farm and Garden 15(2): 32-33. Feb. 1944. 6 G162
- 14152 POOLE, J. E. No such animal! Our incomparable markets reporter comes back vigorously denying the possibility of a beef cattle surplus. Breeder's Gaz. 109(3): 10, 31. Mar. 1944. 49 B74
- 14153 RAYNS, FRANK. One judge for class of 120 bulls - some impressions of an immense U. S. A. fat stock [beef cattle] show. Farmer & Stock-Breeder 58: 249. Feb. 15, 1944. 10 F228
- 14154 RICE, V. A. Wanted: an improved dairy sire index. Ayrshire Digest 30(2): 8-9, 36-37. Feb. 15, 1944. 43.8 Ay7
- 14155 RIORDAN, M. Murdo MacKenzie.....range king. Westerner 6(11): 10-11, 14, 18-19, 35; 7(1): 8-9, 47-49; (2): 11, 14-15, 26-27, 38. Dec. 1943, Feb., Mar. 1944. 49 W522
- 14156 RODRIGUEZ ROSAS, VICTOR. Lechería de tierra caliente. Vida Rural 5(52): 24. Nov. 9, 1943. 9.4 V66  
Dairy cattle problems in tropical America.
- 14157 \*RUBTSOV, P. Posle izgnaniia vruga. Sovkhoznoe Proizvodstvo 3(10/11): 21-24. Oct./Nov. 1943. 20 So85  
Description of the dairy farm "Rodomanovo" before and after the German occupation and plans for reconstruction.
- 14158 \*RULFFES. Verstärkung der nachzucht in unseren rinderbeständen. Mitt. f. die Landw. 58: 939-941. Nov. 13, 1943. 18 D48M  
Need for increase of dairy cattle and milk production in Germany.
- 14159 \*RUST. Einfluss der ställe auf gesundheit und leistung. Mitt. f. die Landw. 58: 847. Oct. 9, 1943. 18 D48M  
Influence on dairy cattle.
- 14160 SANDERS, A. H. Horns vs. no-horns on Shorthorn cattle. Shorthorn World 28(22): 12-13. Feb. 10, 1944. 43.8 Sh8
- 14161 SANDHOUSE, H. A. Developing dairy heifers. Amer. Dairyman 4(1): 18-19. Feb. 5, 1944. 43.8 Am3
- 14162 SCHAFFNER, CAROL. Dairy Husbandry Department University of Illinois, goes to war. Ill. Agr. 47: 50. Feb. 1944. 6 IL6  
Milk production of the University dairy herd.
- 14163 SCHUPBACH, A. O. Knolle Jerseys, America's largest registered Jersey herd, thrive on De Laval milking. De Laval Monthly 38(1): 3. Jan./Feb. 1944. 44.8 D37  
Description of a dairy farm at Sandia, Tex.
- 14164 \*SELL. Aus der dänischen rinderzucht leistungsergebnisse. Mitt. f. die Landw. 58: 733-735. Sept. 4, 1943. 18 D48M  
Production records of dairy cattle.
- 14165 SEXAUER, F. H. Dairying in the war and post-war period. Twin City Milk Prod. Bul. 27(12): 15-21. Dec. 1943. 44.8 T92
- 14166 STROHM, J. L. Where milk is incidental. Pure Milk 17(12): 14. Dec. 1943. 280.28 P97  
The dairy industry in Latin America.
- 14167 SUTHERLAND, ALEX. Dairy cattle in Scotland in 1942. Scot. Farmer 51: 137-141. Jan. 1, 1943. 10 Sco8
- 14168 SWAFFAR, PAUL. Cattle for the East... encouraged to get back to live stock farming. Aberdeen-Angus Jour. 25(7): 24, 28, 32, 36. Feb. 1944. 43.8 Ab3  
Livestock farming results in better use of land.
- 14169 TAYLOR, C. C. Argentina loves her cattle. Cattleman 30(9): 103, 105-108. Feb. 1944. 49 C29  
Descriptive account of the beef cattle industry.
- 14170 THOMAS, S. B. National milk testing scheme results; a report from Wales. Home Farmer 11(2): 8-9. Feb. 1944. 280.344 H75
- 14171 \*VSIÁKIKH, A. Akklimatizatsiia Karovskogo skota v Kirgizii [Acclimatization of "Kara-vaevo" cattle in the Kirghiz republic]. Sovkhoznoe Proizvodstvo 3(10/11): 35-37. Oct./Nov. 1943. 20 So85
- 14172 WERNER, G. M. Care at calving time is essential. Farmer's Friend 3(16): 7. Feb. 4, 1944. 6 F2209
- 14173 WOODARD, A. W. Dairy industry in review. Calif. Dairyman 23(25): 14. Jan. 22, 1944. 44.8 C12
- 14174 \*WÖRBS, HERMANN. Entlohnung des melkers. Mitt. f. die Landw. 58: 867. Oct. 16, 1943. 18 D48M

## DOGS AND CATS

## Breeds and Breeding

- 14175 AMERICAN SPANIEL CLUB. Complete new, official, revised standard of the Cocker Spaniel - American variety. Dog World 29(1): 36-37. Jan. 1944. 48.8 D672
- 14176 BASENJI CLUB OF AMERICA. Barkless Basenji breed of dog. Dog World 29(1): 85. Jan. 1944. 48.8 D672  
Includes official standard approved by the American Kennel Club, Nov. 9, 1943.



14177 BEMIS, R. W. Longer or shorter heads on Irish Terriers. Dog World 29(2): 71. Feb. 1944. 48.8 D672

14178 BEMIS, R. W. Type faults too often seen in Irish Terrier, today. Dog World 29(1): 70. Jan. 1944. 48.8 D672

14179 THE BREEDS in brief, No. 23: Kerry Blue Terrier; No. 24: Labrador Retriever. Amer. Kennel Gaz. 61(2): 25-26, 133-134; (3): 25-26, 130-131. Feb., Mar. 1944. 48.8 Am3

14180 CALVERT, J. W. Tendencies and theories in Cocker type. Dog World 29(1): 39, 41. Jan. 1944. 48.8 D672

#### "Our Dogs (Eng.)."

14181 DEMOTTE, F. W. Black Irish Setter? Never! Dog World 29(2): 50-51. Feb. 1944. 48.8 D672

14182 EVANS, O. B. A study of breeding types in English Setters. Dog World 29(1): 49, 50; (2): 45, 47, 49. Jan., Feb. 1944. 48.8 D672

14183 EVANS, O. B. Suggested experiments in English Setter bloodlines breeding. Dog World 29(3): 49-50. Mar. 1944. 48.8 D672

14184 FARRINGTON, F. C. A few practical hints on showing the Cocker Spaniel. Dog World 29(3): 22, 36-37. Mar. 1944. 48.8 D672

14185 FARRINGTON, F. C. Some thots about the revised standard of the Cocker Spaniel. Dog World 29(1): 40, 41. Jan. 1944. 48.8 D672

14186 FARRINGTON, F. C. What I would like to see the next ten years bring forth in Cocker type and breeding. Dog World 29(2): 32-33. Feb. 1944. 48.8 D672

14187 FLORSHEIM, MARION. Afghan hound, rainbow. Dog World 29(3): 56. Mar. 1944. 48.8 D672

14188 FLORSHEIM, MARION. This desert Afghan Greyhound must have good feet. Dog World 29(2): 54. Feb. 1944. 48.8 D672

14189 GREENBURG, GRAYCE. Choosing a good Dachs puppy out of the litter. Dog World 29(2): 52. Feb. 1944. 48.8 D672

14190 HOFMAN, MRS. BYRON. Pomeranian, legs. (Cont.) Dog World 29(2): 78; (3): 78. Feb., Mar. 1943. 48.8 D672

14191 JARVIS, H. R. About Saints [Saint Bernard dogs]. Dog World 29(1): 54; (2): 59. Jan., Feb. 1944. 48.8 D672

14192 KAUFFMAN, R. E. Bailey's questions about the Chihuahua breed answered. (Cont.) Dog World 29(1): 77; (2): 77; (3): 77. Jan.-Mar. 1944. 48.8 D672

#### Title varies.

14193 KAUFFMAN, R. E. Diminutive size marks "Chi." [huahua breed of dog]. All-Pets Mag. 15(9): 26. Feb. 1944. 48.8 AL5

14194 KECKLER, VIRGINIA. Ch. Monarch of Halecroft [Great Dane dog]. Dog World 29(1): 57. Jan. 1944. 48.8 D672

14195 KECKLER, VIRGINIA. The Harlequin [Dane breed]. Dog World 29(3): 59, 60. Mar. 1944. 48.8 D672

14196 LARIMER, H. K. How little or how big can a good Pointer be? Dog World 29(2): 51. Feb. 1944. 48.8 D672

14197 LARIMER, H. K. When can the Pointer's nose and eyes be other than black. Dog World 29(1): 50. Jan. 1944. 48.8 D672

14198 OLSEN, HJALMAR. Hunting abilities of the German Shorthair Pointer. Dog World 29(1): 45. Jan. 1944. 48.8 D672

14199 OLSEN, HJALMAR. Why I like the German Shorthair Pointer. Dog World 29(2): 45. Feb. 1944. 48.8 D672

14200 PIERSOL, ROSALIE. Bismark & Great Danes. Dog World 29(2): 61-62. Feb. 1944. 48.8 D672

14201 ROLLINGS, E. J. Why I chose the Dane. Dog World 29(3): 59. Mar. 1944. 48.8 D672

14202 SMITH, A. C. An old-fashioned Terrier. Field 183: 76. Jan. 15, 1944. 10 P45

14203 STOCK, F. Sheep dogs. So. African Merino Breeders' Jour. 5(4): 10. Oct. 1943. 45.8 So8

14204 THOMPSON, C. C. Advice I would give to a person starting in to breed Cockers. Dog World 29(3): 22, 39-41. Mar. 1944. 48.8 D672

14205 THOMPSON, C. C. Limiting the Cocker litter to five. Dog World 29(2): 34-35. Feb. 1944. 48.8 D672

14206 THOMPSON, C. C. The perfect Cocker head as I would describe it. Dog World 29(1): 32-33, 38. Jan. 1944. 48.8 D672

14207 VOSS, R. H. Boxer dog, ears. (Cont.) Dog World 29(1): 61. Jan. 1944. 48.8 D672

#### Feeds and Feeding

14208 COUCH, V. M. Never permit puppy access to foods. All-Pets Mag. 15(9): 29. Feb. 1944. 48.8 AL5

14209 EARLE, I. P. Symptoms indicate deficiency in essential food factors in dogs. All-Pets Mag. 15(9): 27-28. Feb. 1944. 48.8 AL5

14210 GORRIE, C. J. R. Wider diet for dogs during meat rationing period. Stock and Land 34(1): 3. Jan. 5, 1944. 49 St63

14211 KEMMER, FLORENCE. Solving shortages of food for cats. All-Pets Mag. 15(9): 33. Feb. 1944. 48.8 AL5

14212 MORRIS, M. L. Problems in pet animal feeding. Amer. Vet. Med. Assoc. Jour. 104: 92. Feb. 1944. 41.8 Am3

Increasing nutritive value and palatability of war-time rations for dogs and cats.

#### Veterinary Medicine

14213 ALLISON, J. B., SEELEY, R. D., and MORRIS, M. L. A study of some effects of surgical anesthetic doses of Delvinal Sodium in the dog. Amer. Jour. Vet. Res. 5: 62-69. Jan. 1944. 41.8 Am3A

14214 \*BERNOULLI, PETER. Das verhalten der hoden in einigen missbildungen des geschlechtsapparates beim hunde. Schweiz. Arch. f. Tierheilk. 85: 402-409, 444-455. Oct., Nov. 1943. 41.8 Sch9

14215 BLOOM, FRANK, and MEYER, L. M. The morphology of the bone marrow cells in normal dogs. Cornell Vet. 34: 13-18. Jan. 1944. 41.8 C81

14216 BOWERS, D. R. Urinary calculi in a Dalmatian. Vet. Med. 39: 73. Feb. 1944. 41.8 M69

14217 BRUNNER, MATTHEW, ALTMAN, IRVING, and BOWMAN, KATHERINE. Canine sensitivity to Ascaris antigen. Jour. Allergy 15: 2-8. Jan. 1944. 44.8 J8236

14218 BRYANT, J. B. My spaying operation on bitches. North Amer. Vet. 25: 163-164. Mar. 1944. 41.8 N812

14219 COFFIN, D. L., and STUBBS, E. L. The diagnosis of canine leptospirosis. Amer. Vet. Med. Assoc. Jour. 104: 152-157. Mar. 1944. 41.8 Am3

14220 DAVIDSON, J. LA V. Cough, its physiology and treatment in dogs. Vet. Med. 39: 62-63. Feb. 1944. 41.8 M69

14221 GILBERT, O. E. Various sulfa drugs beneficial to cats. All Pets Mag. 15(9): 39. Feb. 1944. 48.8 AL5



- 14222 GREENE, J. E. Spirochetosis in a dog. Vet. Med. 39: 75. Feb. 1944. 41.8 M69
- 14223 HINEMAN, R. E. Pressure necrosis caused by rubber band around dog's neck. Vet. Med. 39: 36. Jan. 1944. 41.8 M69
- 14224 \*MATTHIAS, and NIEMAND. Augentuberkulose bei einer katze. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 203-210. Feb. 8, 1943. 41.8 Z32
- 14225 TROWELL, O. A. The histology of the isolated perfused lung of the dog. Quart. Jour. Expt. Physiol. and Cog. Med. Sci. 52: 203-212. Dec. 1943. 447.8 Q1
- 14226 TURNER, A. L. Needle removed from stomach of dog by feeding on cotton-wool diet. Vet. Rec. 55: 373. Oct. 9, 1943. 41.8 V641
- 14227 WALPOLE, R. O. W. Some preliminary observations and remarks on limb lameness in the racing track Greyhound. Vet. Jour. 100: 11-16. Jan. 1944. 41.8 V643

#### Miscellaneous

- 14228 CLARKSON, F. H. This bird dog, judging situation. Amer. Field 141: 173. Feb. 19, 1944. 410 Am3
- 14229 ELVERSON, J. H. House-trained Spaniels. Field 183: 72. Jan. 15, 1944. 10 F45
- 14230 MARTIN, JACKIE. Dogs of war. Country Gent. 114(3): 16, 66. Mar. 1944. 6 C833
- 14231 O'NEILL, M. S. Obscurity of cat's origin. All-Pets Mag. 15(9): 31-32. Feb. 1944. 48.8 AL5
- 14232 PARMENTER, DOUGLAS. Army's four-footed canine, soldiers. Amer. Vet. Med. Assoc. Jour. 104: 61-62. Feb. 1944. 41.8 Am5
- 14233 PUTNEY, W. K. Dogs once worth more than man as hunters of predators. Our Dumb Anim. 77: 29. Feb. 1944. 48.8 Ou7
- 14234 THE REAL American Kennel Club. By Diogenes. Part 23. The library. Amer. Kennel Gaz. 61(3): 27-28, 132. Mar. 1944. 48.8 Am3
- 14235 STATE requirements on dog shipments. (Cont.) Dog World 29(1): 8; (2): 6; (3): 3. Jan.-Mar. 1944. 48.8 D672
- 14236 WEBB, M. B. Puppies prosper in nest with mother. All-Pets Mag. 15(9): 24. Feb. 1944. 48.8 AL5

#### HORSES AND MULES

##### Breeds and Breeding

- 14237 \*ANTONIUS, OTTO. Einiges über das Frederiksborger pferd. Zool. Gart. (N. F.) Bd. 15, Heft 1/2, p. 12-22. 1943. 410 Z724
- 14238 BEALL, F. W. Horse.....of the desert the Arabian. Westerner 7(1): 10, 43-45. Feb. 1944. 49 W522
- 14239 CASEMENT, D. D. The Quarter Horse takes the lead. Breeder's Gaz. 109(3): 26. Mar. 1944. 49 B74
- 14240 EDDY, J. O. The Palomino as a cow horse. New Mex. Stockman 9(1): 29. Jan. 1944. 49 N462
- 14241 GENTLES, M.M. The Arabian horse in America. Horse Lover 8(5): 3-4, 17-19. Feb./Mar. 1943. 42.8 H7852
- 14242 HARTUNG, A. M. The Orloff horse: a trotting horse that flourished in the days of the Russian czars. Horse Lover 8(5): 16. Feb./Mar. 1944. 42.8 H7852
- 14243 HUXMAN, C. L. Establishing the Palomino breed. Kans. Stockman 28(5): 120-121. Mar. 1944. 49 K134

- 14244 LODER, JOHN. Bloodstock breeding prejudices examined. Field 183: 10. Jan. 1, 1944. 10 F45

Survey of C. M. Prior's publication "History of the Stud-Book" written in 1926.

- 14245 MCCALL, J. R. Clydesdales — changes and tendencies during the past fifty years. Scot. Farmer 51:46-48. Jan. 1, 1943. 10 Sco8

Also in Austral. Farm and Home 52:163-164, 228, 283, 315-316. June 30, Aug. 30, Sept. 30, Oct. 30, 1943. 23 Au7

- 14246 MCFARLAND, ELLIS. New markets for Percherons. Breeder's Gaz. 109(3): 16. Mar. 1944. 49 B74

- 14247 PHILLIPS, BOB. Careful study can reduce odds in gamble of breeding horses. East. Breeder 5(10): 11-12. Mar. 1944. 49 V81

- 14248 \*SCHMELZEISEN, R. Neuaufbau der pferdezucht in der Ukraine. Mitt. f. die Landw. 58: 821-823. Oct. 2, 1943. 18 D48M

- 14249 SUTHERLAND, ALEX. Clydesdale horses in Scotland, in 1942. Scot. Farmer 51: 122-127. Jan. 1, 1943. 10 Sco8

- 14250 \*TINIÁEV, A. V. Brabansony Pochinkovskogo gosplem-rassadnika Brabançon of the Pochinskii State Breeding Station. Gor'kii. Gosud. Selsk. Khoz. Inst. Trudy (Gor'kii. State Inst. Agr. Papers) 4: 267-279. 1943. 106 B414T

Breed of draft horse.

- 14251 TITTLE, L. M. The Little Pigeon or Palomino horse. Ranchman 3(10): 12-13. Feb. 1944. 49 R15

- 14252 \*WATTMANN, H. B. Bedeutung des konik für die pferdezucht im generalgouvernement. Mitt. f. die Landw. 58: 908-909. Oct. 30, 1943. 18 D48M

#### Feeds and Feeding

- 14253 CASTANEDO, J. A. Mas calcio para sus yeguas. Vaqueros 4(1/2): 13. Jan./Feb. 1944. 43.8 V41

- 14254 DINSMORE, WAYNE. Horses need pasture. West. Livestock Jour. 22(18): 142. Feb. 1944. 6 F2278

- 14255 \*HAAVE, ER. Hesteforinga i vinter. Norsk Landbruk 9: 318-319. Nov. 26, 1943. 11 N8122

- Feeding of horses during the winter. 14256 LOWE, C. D. Ready horse and mule, draft stock for spring work. Natl. Live Stock Prod. 22(5): 10. Feb. 1944. 280.38 N21

#### Stresses winter feeding.

- 14257 SANDERSON, C. J. Important points in feeding horses. Land Sydney, No. 1675, p. 8. Jan. 14, 1944. 23 L22

#### Veterinary Medicine

- 14258 BENESPERI, HUMBERTO. Consideraciones sobre fracturas de las extremidades del puro de cerraera. Cir. Méd. Vet. de la Prov. de Buenos Aires. Rev. 7: 279-285. Nov./Dec. 1943. 41.9 C49

Bone weakness in race horses due to improper management.

- 14259 \*BORCHARDT. Über eine hernia inguinalis bei einer stute. Ztschr. f. Veterinärk. 55: 189-192. July 1943. 41.8 Z33

- 14260 \*HEMMERT-HALSWICK, A. Infektion mit Globidium leuckarti beim pferd. Ztschr. f. Veterinärk. 55: 192-199. July 1943. 41.8 Z33

- 14261 \*HIRT, E. Über den brunstzyklus und die unfruchtbarkeit der stute. Schweiz. Arch. f. Tierheilk. 85: 355-365, 391-402. Sept., Oct. 1943. 41.8 Sch9

- 14262 KUBES, VLADIMIR. Venezuelan type of equine encephalomyelitis virus in Trinidad. Amer. Jour. Vet. Res. 5: 30-31. Jan. 1944. 41.8 Am3A



- 14263 LUMB, W. V. Hydrocephalus in a foal. Vet. Med. 39: 36-37. Jan. 1944. 41.8 M69
- 14264 MCNELLIS, RUSSELL. An unusual type of anthrax in horses and mules. U. S. Army Med. Dept. Bul. No. 71, p.84-86. Dec. 1943. 152.9 Ar52
- 14265 MAQSOOD, M. Traumatic iliac thrombosis in a race-horse. Indian Vet. Jour. 20: 133-136. Nov. 1943. 41.8 In2
- 14266 MITCHELL, C. A., and WALKER, R. V. L. Preisz-Nocard disease. Study of a small outbreak occurring among horses. Canad. Jour. Compar. Med. 8: 8-10. Jan. 1944. 41.8 Cl62
- 14267 MORGAN, REMBRANDT. Azoturia with marked abdominal pain. Vet. Med. 39: 35. Jan. 1944. 41.8 M69
- Colic and azoturia in a mare.
- 14268 \*MOSZCZENSKI, ZYGMUNT, and KRUPSKI, ANTON. Beitrag zur histopathologischen diagnose der virus-anämie. Schweiz. Arch. f. Tierheilk. 85: 365-370. Sept. 1943. 41.8 Sch9
- Equine infectious anemia.
- 14269 PATTON, J. W. A new conception of azoturia. Vet. Med. 39: 10-12. Jan. 1944. 41.8 M69
- 14270 \*ROLLE. Diagnose und bekämpfung des maleus nach angaben einiger russischer forschers. Deut. Tierärztl. Wehnschr. 50: 329-330. Aug. 1, 1942. 41.8 D482
- 14271 RUNNELLS, R. A., and BENBROOK, E. A. Malignant lymphoid tumors in horses. Amer. Vet. Med. Assoc. Jour. 104: 148-150. Mar. 1944. 41.8 Am3
- 14272 \*STECK, WERNER. Die klinische diagnose der anaemia infectiosa equorum. Schweiz. Arch. f. Tierheilk. 85: 431-443. Nov. 1943. 41.8 Sch9
- 14273 STEIN, C. D., and others. Experimental transmission of equine infectious anemia by contact and body secretions and excretions. Vet. Med. 39: 46-52. Feb. 1944. Ref., p. 51-52. 41.8 M69
- O. L. Osteen, L. O. Mott, and M. S. Shahan, joint authors.
- 14274 \*WYSSMANN, ERNST. Einige beobachtungen über akute hufrehe in vergleichender betrachtung. Schweiz. A rch. f. Tierheilk. 85: 409-419. Oct. 1943. Ref. 41.8 Sch9

#### Miscellaneous

- 14275 \*BJARNASON, GUNNAR. Tilraun til að bæta heitaverslunina. Búnaðarfélag Íslands. Búnaðarrit 56: 173-175. 1943. 11 B88
- Organization needed to improve horse trade.
- 14276 CONN, G.H. How to get the greatest enjoyment from your horse. Natl. Horseman 80(2): 38-41. Feb. 1944. 42.8 N21
- 14277 \*DAN. Einiges aus serbischen beutepferdesammelstellen. Ztschr. f. Veterinärk. 55: 202-210. July 1943. 41.8 Z33
- Care and management of horses captured in Serbia by the German Army.
- 14278 DINSMORE, WAYNE. Present day trends in horses and mules. Hereford Swine Jour. 4(1): 12. Dec. 1943. 46.8 H42
- Increased demand.
- 14279 HAMILTON, C. B. The lore of the horse. Country Life [London], 95: 206. Feb. 4, 1944. 80 C83
- 14280 HORSE AND MULE ASSOCIATION OF AMERICA. Horses and mules - a nation-wide view. Horse and Mule Assoc. Amer. Leaflet 273, 5 p. folder. Chicago, 1943? 42.9 H782
- Alternate titles: "Our nation needs work mares and foals," and "Animal power serves nation."
- Also in New Mex. Stockman 9(1): 31, 37-38, Jan. 1944 (49 N462), as "Animal power serves nation," by Wayne Dinmore.

- 14281 LAFORTUNE, I. G. Entretien du cheval dans la forêt. Forêt Québécoise 7: 67. Feb. 1944. 99.8 F79
- 14282 MCCAMBELL, C. W. Horses must have good feet to stand hard usage and normal requirements. Kans. Stockman 28(5): 64, 74. Mar. 1944. 49 K134
- 14283 POULTON, R. W. What kind of horse does a farmer want? Breeder's Gaz. 109(3): 6, 30, 37. Mar. 1944. 49 B74
- 14284 SAEGMULLER, NICK. Care of foaling mares. Horse Lover 8(5): 28-29. Feb./Mar. 1944. 42.8 H7852
- 14285 SÁNCHEZ MOUSO, J. M. Preparación de caballos para ser presenta dos en ferias y exposiciones. Granja [Mexico], 11: 211-215. Dec. 1943. 8 G76
- 14286 \*TINIÁEV, A. V. Kombinirovannye ispytaniia rysistoi lozhadi kolhozno-tovarnykh ferm D. Konstantinovskogo r-na, gor'kovskoi oblasti [Comprehensive testing of horses from collective commodity farms of D. Konstantinovskii district of the Gorkii region]. Gor'kii. Gosud. Sel'sk. Khoz. Inst. Trudy (Gor'kii. State Inst. Agr. Papers) 4: 253-266. 1943. 106 B414T

#### POULTRY

##### Breeds and Breeding

- 14287 ALEXANDER, A. K. S. Each to his own special branch. Farmer & Stock-Breeder 58: 113. Jan. 18, 1944. 10 F228
- Cooperation in poultry breeding.
- 14288 AMSDEN, J. Farming out birds for testing ...suggests a scheme that would increase the advantages of the progeny test. Mod. Poultry Keeping 50: 118-119. Feb. 16, 1944. 47.8 Eg3
- 14289 AMSDEN, J. Producing new poultry breeds ...discusses this problem, with particular reference to auto-sexing birds. Mod. Poultry Keeping 50: 64-65. Jan. 26, 1944. 47.8 Eg3
- 14290 ANE ALDERETE, ALEJANDRO. Algunas razones por las cuales nuestras amas de casa deben criar palomas. Vaqueros 4(1/2): 14. Jan./Feb. 1944. 43.8 V41
- 14291 BEESON, F. W. Record, Of, Performance, breeding policy completely revamped. Canada Poultryman 31(2): 9-13. Feb. 1944. 47.8 Cl66
- 14292 BIRTWISTLE, VICTOR. Duck breeding. Mod. Poultry Keeping 50: 10. Jan. 5, 1944. 47.8 Eg3
- 14293 BOCK, E. G. The German Pouter [pigeon]. Amer. Pigeon Jour. 32: 355, 359. Dec. 1943. 47.8 Am35
- 14294 BRUCE, W. G. Judgment needed in breeding [Bantams]. All-Pets Mag. 15(9): 44. Feb. 1944. 48.8 AL5
- 14295 BYERLY, T. C. More eggs, with less feed, if you use Victory cockerels. Hatchery Tribune 18(3): 38, 63. Mar. 1944. 47.8 H28
- 14296 CAMPBELL, H. L. Is the Magpie [pigeon] slipping? Pigeon News 50(875): 6, 15. Feb. 1944. 47.8 P621
- 14297 CAMPBELL, H. L. Vanishing pigeons--Part three.....the Chinese Owls, the laughing pigeon, known as the Laughter, and the Suabian. Amer. Pigeon Jour. 32: 360. Dec. 1943. 47.8 Am35
- 14298 CARSON, ED. Modern Jacobins hood and its relation to the essential and most desired property on the modern Jacobin [pigeon]. Pigeon News 50(875): 17. Feb. 1944. 47.8 P621
- 14299 CHARTERIS, R. L. "I use high producers for breeding." Mod. Poultry Keeping 49: 457. Dec. 29, 1943. 47.8 Eg3



- 14300 CREE, C. O'S. Exhibition [strain cocker-el, blood & wet mash saved a flock. Poultry Farmer [London, 110(2850): 4. Feb. 4, 1944. 47.8 F312
- 14301 FISHER, W. Mating Minorcas. Poultry [London, 94: 38. Jan. 18, 1944. 47.8 P869
- 14302 GORDON, M. D. The disadvantages of pullet breeding. Field 183: 48. Jan. 8, 1944. 10 F45
- 14303 GRAHAM, L. P. Vanishing varieties. 10. Rose Comb Leghorns. Cackle and Crow 26(4): 7. Feb. 15, 1944. 47.8 C11
- 14304 HERNER, M. C. The why in purebred poultry. So. African Poultry, Pigeon and Bird Mag. 49: 520. Dec. 1943. 47.8 So83
- 14305 HOWES, H. Causes of [poultry, infertility ...points out some of them and suggests remedies. Mod. Poultry Keeping 50: 64. Jan. 26, 1944. 47.8 Eg3
- 14306 HOWES, H. Consider the Barred Rock... puts forward the claims of this breed. Mod. Poultry Keeping 50: 118. Feb. 16, 1944. 47.8 Eg3
- 14307 HOWES, H. Hold some well bred males in reserve...discusses the advantages of this practice. Mod. Poultry Keeping 50: 5. Jan. 5, 1944. 47.8 Eg3
- 14308 HUBBARD, O. J. Demand a better type: a broad breasted broiler can be developed without sacrificing egg production. New England Homestead 117(3): 20. Feb. 12, 1944. 6 N442
- 14309 HUMPHREYS, H. R. S. Improving Barred Rocks by crossing. Poultry Farmer [London, 110 (2849): 4. Jan. 28, 1944. 47.8 F312
- 14310 HUXFORD, TED. The beginner picks a breed. Natl. Barred Rock Jour. 33(7): 4. Nov. 1943. 47.8 In8
- 14311 JOHNS, W. T. Runts [breed of pigeons, far from extinct....tells how he cares for his Giant Runts. Amer. Pigeon Jour. 32: 358-359. Dec. 1943. 47.8 Am35
- 14312 JULL, M. A. Greater egg profits by purchase of egg-bred cockerels. Peninsula Broiler Jour. 3(20): 1, 2, 6. Feb. 21, 1944. 47.8 P37
- 14313 JULL, M. A. Save feed with fewer, but better birds. Hatchery Tribune 18(3): 17-18. Mar. 1944. 47.8 H28
- Use cocks from bred-to-lay and disease-resistant strains.
- 14314 KLEIN, G. T. Broad breasted turkey comes to stay. New England Homestead 117(3): 18-19. Feb. 12, 1944. 6 N442
- 14315 LODGE, CYRIL. Infertility and reasons why. Poultry Farmer [London, 110(2848): 7. Jan. 21, 1944. 47.8 F312
- 14316 MOORE, A. C. Look two to three years ahead when introducing new poultry, blood. Poultry [London, 94(3178): 68. Feb. 1, 1944. 47.8 P869
- 14317 OFFICIAL list of states participating in the Nat'l Poultry Improvement Plan. Hatchery Tribune 18(3): 39. Mar. 1944. 47.8 H28
- 14318 OFFICIAL 1942-1943 flock records of U. S. Record of Performance breeders as reported by State R. O. P. Supervisors. Hatchery Tribune 18(3): 47-51. Mar. 1944. 47.8 H28
- Index with title "Directory of R. O. P. breeders," p. 40-45; "Explanation," p. 46.
- 14319 PARKER, H. E. Planned [poultry breeding, improvement in New Hampshire. New England Homestead 117(3): 17. Feb. 12, 1944. 6 N442
- 14320 PENNY, J. G. Put chick sexing on a sound basis; need for sexers to be represented on national board. Mod. Poultry Keeping 50: 14. Jan. 5, 1944. 47.8 Eg3
- 14321 PERKINS, R. L. What is a good Roller? ...Describes the true Birmingham Roller [pigeon]. Amer. Pigeon Jour. 32: 355. Dec. 1943. 47.8 Am35
- 14322 PHILBROOK, C. N. Muff Tumblers [pigeons]. Pigeon News 50(875): 14. Feb. 1944. 47.8 P621
- 14323 PICKARD, B. DE H. What does a breeding hen cost? Poultry Farmer [London, 110(2850): 5. Feb. 4, 1944. 47.8 F312
- 14324 SAMIS, G. E. Which is the best breed of turkey? Marit. Farmer and Co-op. Dairyman 49(10): 6. Feb. 15, 1944. 7 C77
- 14325 SEEGER, KARL. Livability of pure and cross bred broilers compared. Peninsula Broiler Jour. 3(20): 1, 5. Feb. 21, 1944. 47.8 P37
- 14326 SERFONTEIN, P. J. Breeding experiments with ducks. Farming in So. Africa 18: 849-852, 856. Dec. 1943. 24 So842
- Possibility of certain deformities being inherited and the relation of pigmentation of beaks and legs to egg production.
- 14327 SMITH, J. B. Ducks that lay like hens. Farmer's Mag. 41(2): 8. Feb. 1944. 7 C165
- Indian Runner ducks.
- 14328 SWANSON, L. C. Timely hints on racing Homers. All-Pets Mag. 15(9): 51. Feb. 1944. 48.8 A15
- 14329 TAYLOR, M. W. A 1 breeders for first class chicks, some advice on stock management. Mod. Poultry Keeping 49: 460, 461. Dec. 29, 1943. 47.8 Eg3
- 14330 TURNILL, LEONARD. Quick-feathering [Rhode Island, Reds. Poultry Farmer [London, 110 (2849): 3. Jan. 28, 1944. 47.8 F312
- 14331 USANDIVARAS, JUAN. Las principales razas de gallinas de gran rendimiento. Mendoza, Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr. 11: 187-192. July/Sept. 1943. 9 M52B
- 14332 WAGNER, C. F. The Pouter [pigeon]...as it was known in 1932. Amer. Pigeon Jour. 32: 357. 361. Dec. 1943. 47.8 Am35
- "Reprinted from our September, 1932, issue."
- 14333 WOLFE, D. M. A few ideas on Cornish Bantam weights. Southeast. Cornish News 5(2): 8. Feb. 1944. 47.8 So87
- 14334 WRIGHT, G. F. Barreds [Barred Plymouth Rocks, shake the world in 1943 egg-laying contests, Natl. Barred Rock Jour. 33(7): 2. Nov. 1943. 47.8 In8
- 14335 WRIGHT, G. F. Rose Comb Barred Plymouth Rocks. Natl. Barred Rock Jour. 33(7): 3. Nov. 1943. 47.8 In8
- 14336 ZUMBRO, P. B. Record, Of, F, performance, for fast improvement in chickens. Hatchery Tribune 18(3): 35, 73-74. Mar. 1944. 47.8 H28

#### Feeds and Feeding

- 14337 ALEXANDER, A. K. S. More coupons, but less food for poultry in Great Britain. Farmer & Stock-Breeder 58: 273. Feb. 15, 1944. 10 F228
- 14338 ALEXANDER, A. K. S. What the jungle fowl teaches about corn [as to diet]. Poultry Farmer [London, 110(2848): 3. Jan. 21, 1944. 47.8 F312
- 14339 ALMQUIST, H. J. Protein in poultry feeds. Pacific Rural Press, North. Ed. 147: 84. Feb. 5, 1944. 6 P112
- 14340 ANDERSON, E. I. High egg production saves feed. N. Mex. Ext. News 24(1): 6. Jan. 1944. 275.29 N463Ex
- 14341 ANDREWS, F. E. Feeding baby chicks. N. Y., Cayuga Co. Farm & Home Bur. News 30(2): 16. Feb. 1944. 275.293 N. Y., Cayuga Co.
- 14342 BAKKER, T. J. Should you cook horse meat for poultry? Poultry Farmer [London, 110(2851): 8. Feb. 11, 1944. 47.8 F312



- 14343 BAKKER, T.J. Substitute mash menus. Poultry Farmer [London, 109(2845): 6, 7. Dec. 31, 1944. 47.8 F312
- 14344 BROOMHEAD, W. W. Feeding chickens. Poultry [London, 94(3178): 72. Feb. 1, 1944. 47.8 P869
- 14345 BROOMHEAD, W. W. Rearing turkeys in a garden. Poultry [London, 94: 40. Jan. 18, 1944. 47.8 P869
- Feeding, care and management.
- 14346 BUTTNER, E. E. Food value of buckwheat for pigeons. So. African Poultry, Pigeon and Bird Mag. 49: 527-528. Dec. 1943. 47.8 So83
- 14347 CAVERS, J. R. Higher turkey hatches can be brought about by feeding, management. Weekly Market News and Mod. Farmer 22(5): 5. Feb. 2, 1944. 286.81 G762A
- 14348 CAVERS, J. R. Shell-less eggs from over-production but thin rough shells from faulty diet. Weekly Market News & Mod. Farmer 22(6): 7. Feb. 9, 1944. 286.81 G762A
- 14349 CLANDININ, D. R. Vitamins for poultry. Canada Poultryman 31(1): 12-14. Jan. 1944. 47.8 C166
- 14350 COOK, J. E. Proso millet for poultry. Dakota Farmer 64: 54. Feb. 5, 1944. 6 D14
- 14351 FOX, W. M. Green feeds for poultry. Pacific Poultryman 48(3): 16-17. Mar. 1944. 47.8 P113
- 14352 GAMERO, A. M. La alimentación de las gallinas ponedoras. Inst. Agr. Argentino. Reseñas 4 (22): 19-22. 1943. 281.9 B862
- 14353 GRAU, F. V. Wanted---More good ranges for poultry. Amer. Poultry Jour. 75(3): 3, 34, 36-38, 40. Mar. 1944. 47.8 Am32
- 14354 GUTTERIDGE, H. S., O'NEIL, J. B., and PRATT, J. M. Level and source of protein in poultry production. I-II. Sci. Agr. 24: 164-175, 240-250. Dec. 1943, Jan. 1944. 7 Sci2
- I. As related to economical production of growth in pullets. II. As related to economical production of eggs.
- 14355 HORTON, D. H. A feeding plan for starting and growing chicks. Cackle and Crow 26(4): 8. Feb. 15, 1944. 47.8 C11
- 14356 HOWES, H. Potatoes and dredge corn are the two poultry crops in England. Concentrate upon growing these two feeds. Mod. Poultry Keeping 50: 41. Jan. 19, 1944. 47.8 Eg3
- 14357 HOWES, H. They geese, find their own food. Farmers Weekly [London, 20(6): 36. Feb. 11, 1944. 10 F2226
- 14358 JAMES, LOCKE. Do not ration feeding space for growing chicks. Cackle and Crow 26(4): 3. Feb. 15, 1944. 47.8 C11
- 14359 JAMES, LOCKE. Potatoes in poultry feeding. Cackle and Crow 26(4): 4. Feb. 15, 1944. 47.8 C11
- 14360 JULL, M. A., and RICE, W. H. Good pastures for poultry. Northeast. Poultryman 38(2): 5-7, 18, 22-23, 26-27. Feb. 1944. 47.8 M44
- 14361 \*KUDRIAVTSEV, S. S. Zagotovim belkovye vitaminnye i mineral'nye korma dlia ptitsy [Let us prepare protein, vitamin, and mineral feeding stuffs for poultry. U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz., No. 66, 8 p. folder. Moskva, 1943. 20 Ag88
- 14362 LEE, C. E. Everyday poultry problems; some observations on methods of range rearing, stop-and-go feeding of chicks, and "substitute" poultry feeds. Everybodys Poultry Mag. 49(3): 12-13, 23-26. Mar. 1944. 47.8 F213P
- 14363 LODGE, CYRIL. Intensive layers winter feed. Poultry Farmer [London, 110(2852): 6. Feb. 18, 1944. 47.8 F312
- 14364 MEHRHOF, N. R. Green feed increases egg yield. Fla. Grower 52(2): 17. Feb. 1944. 80 F6622
- 14365 MITCHELL, ELIZABETH. My efforts at rearing without a broody. Poultry Farmer [London, 110(2849): 6. Jan. 28, 1944. 47.8 F312
- Feeding, care and management.
- 14366 MOORE, A. C. Keeping grass short in the poultry runs. Poultry [London, 94: 52. Jan. 25, 1944. 47.8 P869
- 14367 MOORE, A. C. Water for ducks. Poultry Farmer [London, 109(2845): 7. Dec. 31, 1944. 47.8 F312
- A water trough is adequate for drinking and washing.
- 14368 MOORE, S. A. Balanced rations for laying hens. Ark. Farmer 46(1): 17. Jan. 1944. 6 Ar42
- 14369 MURPHY, R. R., HUNTER, J. E., and KNANDEL, E. C. Vitamin D for chicks and hens. Grain & Feed Jour. Consolidated 92: 126. Feb. 9, 1944. 298.8 G762
- 14370 NEWMAN, TOM. How feeding affects the poultry flocks. Mod. Poultry Keeping 50: 64-65. Jan. 26, 1944. 47.8 Eg3
- 14371 PARKHURST, R. T. Will New England poultrymen have corn to feed in 1944? New England Homestead 117(4): 18. Feb. 26, 1944. 6 M442
- 14372 PARRISH, C. F. Eight rules for saving poultry feed. Prog Farmer, Car.-Va. Ed. 59(3): 14. Mar. 1944. 6 P945
- 14373 PETTIT, J. H., and others. The utilization of sunflower seed oil meal, wheat distillers' dried grains and rapeseed oil meal in poultry rations. Sci. Agr. 24: 201-213. Jan. 1944. 7 Sci2
- S. J. Slinger, E. V. Evans, and F. N. Marcellus, joint authors.
- 14374 REED, F. D. Green feed will be a factor in reducing 1944 poultry feed costs. New England Homestead 117(4): 14. Feb. 26, 1944. 6 M442
- 14375 ROOME, C. A. 36 lb. of eggs: 52 lb. of cereal. Farmer & Stock-Breeder 57: 2037. Dec. 28, 1943. 10 F228
- Grain needed to produce given quantities of eggs.
- 14376 SERFONTEIN, P. J. Feeding experiments with ducks. Farming in So. Africa 18: 807-818. Nov. 1943. 24 So842
- 14377 SERFONTEIN, P. J. Feeding of laying hens. Farming in So. Africa 18: 819-823. Nov. 1943. 24 So842
- 14378 SHOEMAKER, ANNA. Feed, handling and marketing ducks. Ind. Farmers' Guide 100(4): 22. Feb. 15, 1944. 6 In2
- 14379 SLINGER, S. J., PETTIT, J. H., and EVANS, E. V. The use of corn gluten feed to replace meat meal in poultry rations. Sci. Agr. 24: 234-239. Jan. 1944. 7 Sci2
- Corn gluten feed is a byproduct of the starch and glucose industry.
- 14380 SLOAN, H. J. Fitting poultry feed supplies to production requirements. Poultry Herald 56(2): 3-4. Feb. 1944. 47.8 P862
- 14381 TURNILL, LEONARD. Why no eggs? Feed is the most important essential. Poultry Farmer [London, 110(2850): 7. Feb. 4, 1944. 47.8 F312

#### Veterinary Medicine

- 14382 BAKER, H. R. Variance shown in pullorum by states tolerance. Peninsula Broiler Jour. 3(20): 1, 2. Feb. 21, 1944. 47.8 P37



- 14383 BASCO, J. C. Castración de pollos. Coop. Agr. [Honduras], 4(41/42): 9-13. Mar./Apr. 1943. 280.28 C7874
- 14384 BENESCH, R., BARRON, N. S., and MAWSON, C. A. Carbonic anhydrase, sulphonamides and shell formation in the domestic fowl. Nature [London], 153: 138-139. Jan. 29, 1944. 472 N21
- 14385 BROOMHEAD, W. W. Dropped abdomen in pullets. Poultry [London], 94: 56. Jan. 25, 1944. 47.8 P869  
Caused by various disease conditions.
- 14386 BROWN, J. T. Disease control chart for coccidiosis, pullet disease and fowl pox. Northeast Poultryman 38(1): 32. Jan. 15, 1944. 47.8 N44
- 14387 CHAVARRÍA A., C. Castrado de pollos. Coop. Agr. [Honduras], 3(27): 3-4. Jan. 1942. 280.28 C7874
- 14388 DICKSON, CAMPBELL. Acute nicotine poisoning in poultry from external application of nicotine solution. Vet. Rec. 55: 441. Nov. 6, 1943. 41.8 V641
- 14389 ECKELL, O. A. La sulfaguanidina y la coccidiosis aviar. Rev. de Med. Vet. [Buenos Aires], 24: 344-350. July/Aug. 1943. 41.8 B86
- 14390 FRISCHKNECHT, CARL. Utah leads in stamping out pullorum disease. West. Farm Life 46(4): 20-21. Feb. 15, 1944. 6 R153
- 14391 FRISCHKNECHT, CARL. Utah's pullorum disease control law. Utah Farmer 63(12): 20. Feb. 10, 1944. 6 D45
- 14392 GILDOW, E. M. Early chick mortality due to bad management and infectious diseases. Albers Egg Maker Mag. 19(1): 7-8, 21-22. Spring 1944. 47.8 AL1
- 14393 GORRIE, C. J. R. Worm trouble in poultry is now in peak period. Stock and Land 34(2): 3. Jan. 12, 1944. 49 St62
- 14394 GREGORY, D. W. Nutrient requirements of Hemophilus gallinarum. Amer. Jour. Vet. Res. 5: 72-78. Jan. 1944. 41.8 Am3A
- 14395 GRUENWALD, PETER. Studies on developmental pathology. I. The morphogenesis of a hereditary type of microphthalmia in chick embryos. Anat. Rec. 88: 67-81. Jan. 1944. 447.8 An1
- 14396 HENDERSON, D. C. "Pullet" or "unknown" disease. Northeast. Poultryman 38(1): 35. Jan. 15, 1944. 47.8 N44
- 14397 HOWES, H. Ovarian troubles in poultry. Mod. Poultry Keeping 50: 28. Jan. 12, 1944. 47.8 Eg3
- 14398 KERNOHAN, GEORGE. Pullorum disease. Nulaid News 21(10): 6-7. Jan. 1944. 47.8 F917
- 14399 LEVINE, P. P. How to send birds to the Poultry Disease Laboratory. [N. Y.], Rensselaer Co. Farm Bur. News 20(11): 8. Feb. 1944. 275.293 N. Y., Rensselaer Co.
- 14400 LEVINE, P. P. Pullorum grades of New York poultry flocks, and what they mean. [N. Y.], Cayuga Co. Farm and Home Bur. News 30(2): 14-15. Feb. 1944. 275.293 N. Y., Cayuga Co.
- 14401 LIKERMANN, J. E. El moquillo de las aves. Inst. Agr. Argentino. Reseñas 4(22): 28-32. 1943. 281.9 B862  
Infectious coryza.
- 14402 MACKAY, A. A. Facts about avian T. B. (Cont.) Poultry [London], 94: 36, 68. Jan. 18, Feb. 1, 1944. 47.8 P869
- 14403 MARTIN, J. H. Breaking the poultry disease cycle. Ind. Farmers' Guide 100(4): 24. Feb. 15, 1944. 6 In2
- 14404 \*MATZKE, M. Die diagnose der hühnerpest. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 42-53. Oct. 16, 1942. 41.8 Z52
- 14405 MOORE, A. C. How to prevent the common cold in poultry. Poultry [London], 94: 36. Jan. 18, 1944. 47.8 P869
- 14406 NEWTON, L. G. Disease wastage in poultry flocks. Queensland Agr. Jour. 57: 312-316. Nov. 1943. 25 Q53
- 14407 RENWALD, R. T. Fumigate those eggs... headaches for hatcherymen who neglect it. Hatchery Tribune 18(2): 39, 42. Feb. 1944. 47.8 H28  
Hatchery sanitation to control chick diseases.
- 14408 ROBERTSON, E. I. Formation of an egg. Florists Exch. 102(9): 11. Feb. 26, 1944. 80 F666  
Physiology of laying, and reasons for abnormalities.
- 14409 ROSENWALD, A. S. Veterinary problems in a Signal Pigeon Company. Amer. Vet. Med. Assoc. Jour. 104: 141-143. Mar. 1944. 41.8 Am3
- 14410 \*SEIFRIED, OSKAR, and KOCHER, EGON. Die Veränderungen der geschlechtsorgane bei A-avitaminotischen hühnern. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 32-41. Oct. 16, 1942. 41.8 Z52
- 14411 THOMPSON, FRED. Infectious laryngo-tracheitis in poultry. All Pets Mag. 15(9): 43, 46. Feb. 1944. 48.8 AL5
- 14412 UBACH, F. A. Parálisis infantil y parálisis aviar. Cir. Méd. Vet. de la Prov. de Buenos Aires. Rev. 7: 271-277. Nov./Dec. 1943. 41.9 C49
- 14413 VAN ROEKEL, HENRY. Respiratory diseases and their control. New England Homestead 117(5): 26-29. Feb. 12, 1944. 6 N442
- 14414 WEAVER, L. E. New aid in control of coccidiosis. Amer. Agr. 41: 115. Mar. 4, 1944. 6 Am5  
Prevent hunger in chicks.
- 14415 WINTON, BERLEY. A 40 per cent killer---range paralysis. Hatchery Tribune 18(3): 52, 62. Mar. 1944. 47.8 H28

## Miscellaneous

- 14416 ALEXANDER, A. K. S. Infertility a danger sign avoided by care and management. Farmer & Stock-Breeder 58: 193. Feb. 1, 1944. 10 F228
- 14417 ALP, H. H. Brazil looks to U. S. for poultry ideas. Prairie Farmer 116(5): 30, 32. Mar. 4, 1944. 6 P883B  
Poultry raising in Brazil.
- 14418 BANKS, A. C. Art of managing a broody hen. Poultry Farmer [London], 110(2851): 8, 9. Feb. 11, 1944. 47.8 F312
- 14419 BELLO, OLIVIER. Plan de una organización practica para la explotación y producción de un lote de mil ponedoras y quinientos pollitos, en batería y por semana. (Cont.) Rev. Mens. B. A. P. 26(311): 15-19, 21; (312): 33-35, 37, 39. Oct.-Nov. 1943. 9 R326  
Commercial poultry raising in Argentina.
- 14420 BELLO, OLIVIER. La selección de las aves es la base para la alta producción huevera. Rev. Mens. B. A. P. 26(310): 13-15, 17, 19-22. Sept. 1943. 9 R326
- 14421 BIRTWISTLE, VICTOR. Handle ducks with care. Mod. Poultry Keeping 50: 25. Jan. 12, 1944. 47.8 Eg3
- 14422 BIRTWISTLE, VICTOR. Make the ducks' quarters as comfortable as possible. Mod. Poultry Keeping 49: 460, 461. Dec. 29, 1943. 47.8 Eg3
- 14423 BISHOP, R. W. Building an export market for post-war, New England poultry breeding stock. Northeast. Poultryman 38(2): 10, 12-13. Feb. 1944. 47.8 N44
- 14424 BLACKWELL, H. L. Can we do without the plough on a poultry farm? Poultry Farmer [London], 110(2849): 3. Jan. 28, 1944. 47.8 F312  
Advises against plowing up the poultry runs.



- 14425 BLACKWELL, H. L. It's the egg output--not show points--which comes first. Poultry Farmer [London] 110(2849): 4. Jan. 28, 1944. 47.8 F312
- 14426 BOWMAN, A. C. S. Pond bottom white with [duck] eggs. Poultry Farmer [London] 110(2852): 6. Feb. 18, 1944. 47.8 F312
- 14427 BROOKE, PETER. Three pointers to when she will lay. Poultry Farmer [London] 109(2845): 6. Dec. 31, 1944. 47.8 F312  
Physical characteristics to observe.
- 14428 BROOMHEAD, F. R. These sale conditions [drawn up by the Accredited Poultry Breeders Federation] will not do. Poultry [London] 94(3178): 67. Feb. 1, 1944. 47.8 P869
- 14429 BUTTNER, E. E. Influence of temperature on growth of chickens. So. African Poultry, Pigeon and Bird Mag. 49: 523. Dec. 1943. 47.8 So83
- 14430 CHARLES, T. B. 15 commandments for successful brooding. Marit. Farmer and Co-op Dairyman 49(10): 9, 24. Feb. 15, 1944. 7 C77
- 14431 CHARLES, T. B. Raising ducks and geese. Rural New-Yorker 103: 110-111. Feb. 19, 1944. 6 R88
- 14432 CLARK, ROY. Raising heavy turkeys. Mont. Farmer 31(11): 5. Feb. 1, 1944. 6 M764
- 14433 COOK, J. E. Thin hens likely to moult. Dakota Farmer 64: 78. Feb. 19, 1944. 6 D14
- 14434 COSTELLO, SALVADOR. Los cuidados de la muda, periodo critico de las aves. Coop. Agr. [Honduras] 3(29): 6-7. Feb. 1942. 280.28 C7874
- 14435 DAHLBERG, A. F. Economy of poultry production in the present situation. Stock & Dairy Farmer 33(6): 2. Feb. 1944. 6 N8195  
Care and management.
- 14436 DAUBS, EDDIE. A mid-winter culling program. Amer. Farm Youth 9(9): 24. Feb. 1944. 6 Am393
- 14437 DRAGOUN, F. W. De-wing tipping baby chicks. Amer. Poultry Jour. 75(3): 24. Mar. 1944. 47.8 Am32
- 14438 EMRICK, C. D. Buying poultry at farm sales; precautions that mean dollars to the seller. Ohio Farmer 193(3): 24. Feb. 5, 1944. 6 Oh3
- 14439 FARNSWORTH, MRS. HENRY. Why chick loss was high. Mo. Ruralist 85(4): 15. Feb. 26, 1944. 6 R8891  
Care and management.
- 14440 FLOREA, J. H. The case for early pullets; must start March chicks to get highest prices. Poultry Tribune 50(3): 12. Mar. 1944. 47.8 P8642
- 14441 GILMORE, L. N. Managing the poultry flock. Rural New-Yorker 103: 54. 82. Feb. 5, 1944. 6 R88
- 14442 GODFREY, A. M. Better production at the Yorkshire [Federation test for egg production]... second monthly report. Mod. Poultry Keeping 50: 9. Jan. 5, 1944. 47.8 Eg3
- 14443 GRAHAM, L. P. Boston [Poultry] Show of 1944. Amer. Poultry Jour. 75(3): 72-74. Mar. 1944. 47.8 Am32
- 14444 HACKETT, GEO. From banking to turkeys; Mr. and Mrs. George Fowler started raising turkeys in 1926 to "rest" from banking and teaching--and are still raising turkeys. Turkey World 19(2): 10-11. 43-44. Feb. 1944. 47.38 T84
- 14445 HADLINGTON, E. Better planning of poultry farms. Agr. Gaz. N. S. Wales 54: 581-584. Dec. 1, 1943. 23 N472
- 14446 HADLINGTON, E. Making provision for the flock; better planning of poultry farms pays dividends. Farmer and Settler 37(49): 9. Jan. 7, 1944. 23 F226
- 14447 HAFPERT, W. A. Now it's an automatic chicken culler. N. J. Farm and Garden 15(2): 36. Feb. 1944. 6 G162
- 14448 HAMBLETON, J. A. Are you ready for your 1944 chicks? Ohio Farm Bur. News 23(7): 19. Feb. 1944. 6 Oh34  
A general discussion of flock management.
- 14449 HANNAH, A. J. What every hatcheryman expects from his customer. Successful Farming 42(2): 22, 42. Feb. 1944. 6 Su12  
Before and after arrival of chicks.
- 14450 HANNAS, R. R. The how and why of brooding...help in raising chicks. Amer. Poultry Jour. 75(3): 4, 25-26, 28-31. Mar. 1944. 47.8 Am32
- 14451 HECKSTALL-SMITH, HUGH. Problems of an accredited poultry breeder. Poultry Farmer [London] 110(2849): 3. Jan. 28, 1944. 47.8 F312  
Care and management.
- 14452 HOEKZEMA, J. P. Baby chick starting month; plan to have heavy breeds mature in six months. Ind. Farmers' Guide 100(5): 22. Mar. 1, 1944. 6 In2
- 14453 HOEKZEMA, J. P. What about poultry? Ind. Farmers' Guide 100(4): 23. Feb. 15, 1944. 6 In2  
Feeding, culling, and egg prices.
- 14454 HOLLANDER, W. F. Notes on nest eggs. All-Pets Mag. 15(9): 49. Feb. 1944. 48.8 AL5  
Kinds, use, and how to make them.
- 14455 HOWES, H. Chicks take to vice with little encouragement...describes the most common trouble, and suggests remedies. Mod. Poultry Keeping 50: 82-83. Feb. 2, 1944. 47.8 Eg3
- 14456 HOWES, H. Turkey plans for the 1944 season...makes some suggestions on care and management. Mod. Poultry Keeping 50: 97. Feb. 9, 1944. 47.8 Eg3
- 14457 HURST, HUGH. Preparation for brooding. Utah Poultry Co-op. 8(5): 3, 10. Jan. 1944. 280.28 Utl  
Feeding, care and management of chicks and sanitation of brooder house.
- 14458 HUXFORD, TED. Selecting the layer. Natl. Barred Rock Jour. 33(8): 2. Dec. 1943. 47.8 In8
- 14459 IFFT, MURRY. Pigeons at war. Our Dumb Anim. 77: 30-31. Feb. 1944. 48.5 Ou7
- 14460 IVORY, B. A. Brooding the new chicks. Dakota Farmer 64: 74. Feb. 19, 1944. 6 D14
- 14461 JACKSON, H. W. Young chicks will do well if given a good start. Poultry & Rabbit Monthly 12(2): 4-5, 11. Feb. 1944. 47.8 P8654
- 14462 JEFFREY, F. P. What is the right time to cull the flock? Everybodys Poultry Mag. 49(3): 10, 31-33. Mar. 1944. 47.8 F213P
- 14463 KAUPP, B. F. Brooding the poults, the chicks. Pacific Poultryman 48(3): 3, 6. Mar. 1944. 47.8 P113
- 14464 KAUPP, B. F. Greater poultry production by care and management. Pacific Poultryman 48(2): 3. Feb. 1944. 47.8 P113
- 14465 KAUPP, B. F. Poultry production to be greater. Pacific Poultryman 48(3): 17, 20. Mar. 1944. 47.8 P113  
Care and management in home raising of poultry.
- 14466 KELLER, MRS. W. S. Keeping poultry records. Mont. Farmer 31(11): 5. Feb. 1, 1944. 6 M764
- 14467 LODGE, CYRIL. Fine points of chick hatching by broody hens. Poultry Farmer [London] 110(2851): 6. Feb. 11, 1944. 47.8 F312
- 14468 LODGE, CYRIL. Keep them in full lay [by care and management]. Poultry Farmer [London] 110(2847): 7. Jan. 14, 1944. 47.8 F312



- 14469 LODGE, CYRIL. What to pay for day-old chicks. Poultry Farmer [London, 110(2850): 3. Feb. 4, 1944. 47.8 F312
- 14470 MCCLASKEY, G. D. Poultry shows and chick clubs are incentives to quality production and marketing. U. S. Egg & Poultry Mag. 50: 106-108, 131. Mar. 1944. 286.85 Eg3
- 14471 MCCLASKEY, G. D. When does a pullet become a hen? U. S. Egg & Poultry Mag. 50: 68-70. Feb. 1944. 286.85 Eg3
- Mainly from the standpoint of poultry as meat.
- 14472 MANUELLI, RODOLFO. Cómo puede aumentarse la producción de huevos. Inst. Agr. Argentino. Reseñas 4(22): 15-18. 1943. 281.9 B862
- 14473 MARRIOT, MRS. F. L. Throw away your thermometer. Poultry Farmer [London, 110(2847): 3. Jan. 14, 1944. 47.8 F312
- Advice on care and management of chicks.
- 14474 MAYHEW, MRS. E. E. What the customer expects from a hatcheryman. Successful Farming 42(2): 23, 43. Feb. 1944. 6 S42
- Healthy, well-bred chicks.
- 14475 MENDEZ M., GREGORIO. Factores que intervienen en la fertilidad de los huevos para incubar. Vida Rural 5(52): 25-26. Nov. 1943. 9.4 V66
- 14476 MOORE, A. C. Fat obstructs egg output. Poultry Farmer [London, 110(2851): 8, 9. Feb. 11, 1944. 47.8 F312
- 14477 MOORE, A. C. Four years' cage results with poultry. Poultry Farmer [London, 110(2849): 8. Jan. 28, 1944. 47.8 F312
- 14478 MOORE, MERTON. The most important thing of all; (some pointers on brooding chicks). Albers Egg Maker Mag. 19(1): 3-4, 18. Spring 1944. 47.8 A11
- 14479 NEWMAN, TOM. All the chicks should have a fair chance to live...discusses the essentials of successful rearing. Mod. Poultry Keeping 50: 100-101. Feb. 9, 1944. 47.8 Eg3
- 14480 OGLE, R. C. Comfort for layers in extremely cold weather. N. Y., Clinton Co. Farm & Home Bur. News 32(2): 8. Feb. 1944. 275.293 N. Y., Clinton Co.
- 14481 OSGOOD, GARDNER. Night management of chicks. Checkerboard News 6(2): 8-9. Mar. 1944. 389.78 C41
- 14482 PHILLIPS, R. E. Sex segregation of turkey poults. South. Planter 105(2): 33. Feb. 1944. 6 S89
- 14483 RATHBONE, RUSSELL. Washington Egg & Poultry Co-operative, Association operations under a war economy. Washcoegg 21(10): 25-43. Feb. 1944. 47.8 W27
- 14484 RAYNOR, R. Building up a poultry farm in Southern Rhodesia. So. African Poultry, Pigeon and Bird Mag. 49: 515. Dec. 1943. 47.8 S83
- 14485 REARDON, H. A. The changing poultry picture. Part II-III. Northeast. Poultryman 37(7) p. 1. e. 38(1); 20-23; (2) 30-31. Jan., Feb. 1944. 47.8 N44
- The industry during the past forty-five years.
- 14486 REED, F. D. Why some chicks die. Everybodys Poultry Mag. 49(3): 10, 28-29. Mar. 1944. 47.8 F213P
- Suggestions as to care and management.
- 14487 RENTSCHLER, H. C. Irradiated chickens show a faster growth in recent tests; short wave ultraviolet rays reduce poultry mortality and increase output of brooder houses. Amer. Egg & Poultry Rev. 5: 100. Feb. 1944. 47.8 Am38
- 14488 RETIEF, J. C. D. Mistakes made by the poultry farmer. So. Africa Poultry Assoc. Bul. 6 (72): 9. Sept. 1943. 47.8 S89
- 14489 ROBERTSON, E. I. Healthy chicks---whose responsibility? Hatchery Tribune 18(3): 64. Mar. 1944. 47.8 H28
- A chart shows approved practices.
- 14490 ROBERTSON, E. I. How light affects egg production of hens. Florists' Exch. 102(6): 10. Feb. 5, 1944. 80 F666
- 14491 ROBINSON, LEONARD. Egg production in a laying battery...outlines the principles of this method of poultry keeping. Mod. Poultry Keeping 50: 10-11. Jan. 5, 1944. 47.5 Eg3
- 14492 ROBINSON, LEONARD. Questions that battery beginners ask...provides some solutions. Mod. Poultry Keeping 50: 28-29. Jan. 12, 1944. 47.8 Eg3
- Breeding, feeding, care and management.
- 14493 ROOME, C. A. To hatch, or not to hatch? Farmer & Stock-Breeder 58: 113. Jan. 18, 1944. 10 F228
- 14494 ROSCOE, CHARLES. Precautions to take when rearing ducklings. Poultry [London, 94: 54. Jan. 25, 1944. 47.8 P869
- 14495 ROWLAND, RALEIGH. Culling chickens. Amer. Farm Youth 9(9): 24-25. Feb. 1944. 6 Am393
- 14496 ROY, J. B. Produire des oeufs de qualité. Bul. des Agr. 40(2): 15-16. Feb. 1944. 7 B872
- 14497 RUMMELL, L. L. Champion poultry raiser tells "how." Prog. Farmer, Ky.-Tenn. Ed. 59(2): 22. Feb. 1944. 6 P945K
- Care and management.
- 14498 SARASQUETA, P. A. DE. Selección de huevos en la incubación artificial. Coop. Agr. [Honduras, 4(48): 8-9. Oct. 1943. 280.28 C7874
- 14499 SCOTT, W. T. The brooding and care of baby chicks. Canada Poultryman 31(1): 11. Jan. 1944. 47.8 C166
- 14500 SMITH, J. H. Which pays best, the purchasing of pullets or hatching and rearing chicks? Poultry Farmer [London, 110(2851): 3. Feb. 11, 1944. 47.8 F312
- 14501 SMITHSON, M. B. Rearing eight week old pullets. Poultry Farmer [London, 110(2852): 6. Feb. 18, 1944. 47.8 F312
- 14502 SMYTH, J. R. Maintaining winter egg production. New England Homestead 117(3): 6, 20. Feb. 12, 1944. 6 N442
- 14503 SPOONER, H. L. Young poultryman makes good on his poultry farm. Rural New-Yorker 103: 62. Feb. 5, 1944. 6 R88
- 14504 STACK, G. M. Impressions of the Boston Poultry Show. Conn. Circle 7(2): 30. Feb. 1944. 280.8 C7632
- 14505 STRAWN, DON. All the way in batteries and cages in raising poultry. Albers Egg Maker Mag. 19(1): 13-14. Spring 1944. 47.8 A11
- 14506 TAYLOR, J. C. You can save both feed and money by good management, and still get plenty of eggs. N. J. Farm and Garden 15(2): 34. Feb. 1944. 6 G162
- 14507 TAYLOR, M. W. Aids to better incubation. Mod. Poultry Keeping 50: 46, 47. Jan. 19, 1944. 47.8 Eg3
- 14508 TAYLOR, M. W. Chilling: the most common chick danger. Mod. Poultry Keeping 50: 113. Feb. 16, 1944. 47.8 Eg3
- 14509 TAYLOR, M. W. Key points in good hatching. Mod. Poultry Keeping 50: 82-83. Feb. 2, 1944. 47.8 Eg3
- 14510 THOMPSON, HUGH. Beauty and production mingled in Boston Poultry Show. Poultry Tribune 50(3): 13, 70-72. Mar. 1944. 47.8 P8642
- 14511 THOMPSON, J. N. Proof that good management pays; controlled experiments show value of proper care of turkeys. Turkey World 19(2): 8-9, 39-41. Feb. 1944. 47.38 T84



14512 THOMPSON, W. C. Planning the 1944 chick crop. Rural New-Yorker 103: 53, 82. Feb. 5, 1944. 6 R88

Care and management before the chicks arrive.

14513 THORP, FRANK, JR. Poultry viability and the war effort. M. S. C. Vet. 4: 41, 47. Fall 1943. 41.8 M582

14514 TIMMERMAN, HARRY. Why the Khaki is popular. Poultry Farmer [London, 110(2846): 6, 7. Jan. 7, 1944. 47.8 F312

Home raising of ducks.

14515 TOMMY, A. F. L3 a week from poultry in Great Britain. Poultry Farmer [London, 109(2844): 3; (2845): 3; (2846): 3; (2847): 3. Dec. 24, 31, 1943; Jan. 7, 14, 1944. 47.8 F312

14516 TURNILL, L. C. Record trap eggs on the spot. Poultry Farmer [London, 109(2845): 3. Dec. 31, 1943. 47.8 F312

14517 TURNILL, LEONARD. Post-war table duckling plant. Poultry Farmer [London, 110(2846): 3. Jan. 7, 1944. 47.8 F312

14518 WALFORD, E. S. Broilerman's current dilemma: will the broiler industry continue in spite of the feed shortage? New England Homestead 117(3): 11. Feb. 12, 1944. 6 N442

14519 WARE, H. G. Manage your chicks for victory. Farmer-Stockman 57: 118. Mar. 1944. 6 Ok45

14520 WEAVER, L. E. Chicks grow best in cool weather. Amer. Agr. 41: 113. Mar. 4, 1944. 6 Am3

14521 WEAVER, L. E. Our turkeys. Amer. Agr. 41: 112. Mar. 4, 1944. 6 Am3

14522 WEGER, W. D. Do the dos--don't do the don'ts in raising poultry. Albers Egg Maker Mag. 19(1): 6. Spring 1944. 47.8 All

14523 WESTBERG, J. K. It's the little things that count in raising poultry. Albers Egg Maker Mag. 19(1): 5-6, 12, 20. Spring 1944. 47.8 All

14524 WOLF, T. E. Suggestions on debeaking. San Diego Poultry Jour. 20(461): 6. Jan. 1944. 47.8 Sa52

Burning the upper beak with a blow torch.

14525 WRIGHT, S. A. Batteries for the three year old poultry. Poultry Farmer [London, 110(2849): 9. Jan. 28, 1944. 47.8 F312

Feeding, care and management.

14526 WRIGHT, S. A. Prawn amongst your peat. Poultry Farmer [London, 110(2851): 6. Feb. 11, 1944. 47.8 F312

Litter removal.

## RABBITS

### Breeds and Breeding

14527 BEETCH, ALAN. Rear Angoras on wire floors. Poultry [London, 94: 41. Jan. 18, 1944. 47.8 P869

Care and management.

14528 BENEDICT, A. F. Inbreeding rabbits, fixes traits. All-Pets Mag. 15(9): 58. Feb. 1944. 48.8 AL5

14529 BROWN, MARY. Rex and the table. Poultry Farmer [London, 110(2847): 8. Jan. 14, 1944. 47.8 F312

14530 DRYER, K. New Year's resolution of a good rabbit breeder. Calif. Rabbit Mag. 7(7): 9. Feb. 1944. 40.28 Sa5

14531 GORDON, M. D. Indoor colonies for early rabbit litters. Field 183: 20. Jan. 1, 1944. 10 M45

14532 GRINSTEAD, W. T. Why Flemish Giants are popular; a favorite commercial breed used widely for meat and fur. Amer. Rabbit Jour. 13: 179-180. Dec. 1943. 40.28 Am3

14533 JAMISON, W. C. Breeds of domestic rabbits. Vet. Med. 39: 25-26. Jan. 1944. 41.8 M69

14534 POLK, J. E. Short eared New Zealand. Small Stock Mag. 28(3): 7. Mar. 1944. 48.8 p442

14535 ROBERTS, E. W. When the rabbit bug bit me. Calif. Rabbit Mag. 7(7): 3, 8, 11. Feb. 1944. 40.28 Sa5

A rabbit breeder's experience.

14536 SNOW, C. F. Difficulties with breeding of does. Mod. Poultry Keeping 50: 101. Feb. 9, 1944. 47.8 Eg3

14537 SNOW, C. F. Limit litters to six...at this season. Mod. Poultry Keeping 50: 47. Jan. 19, 1944. 47.8 Eg3

14538 SNOW, C. F. Study rabbit quality. Mod. Poultry Keeping 49: 461. Dec. 29, 1943. 47.8 Eg3

14539 SYCHEV, P. Kralikovodcheskie fermi [Rabbit-breeding farms]. Sovkhoznoe Proizvodstvo 3(9): 16-17. Sept. 1943. 20 So85

14540 TEMPLETON, GEORGE. Mendelian trait in rabbit fat. All-Pets Mag. 15(9): 59. Feb. 1944. 48.8 AL5

14541 WADSWORTH, M. L. The rabbit beautiful. Small Stock Mag. 28(3): 10-11. Mar. 1944. 48.8 p442

Breeding Checkered Giants.

14542 WILSON, W. K. Your new stock: have you been swindled? Poultry Farmer [London, 110(2847): 8. Jan. 14, 1944. 47.8 F312

Discusses breeds and breeding.

### Feeds and Feeding

14543 KELLOGG, C. E. Feed costs of producing young rabbits to weaning age. Small Stock Mag. 28(3): 9. Mar. 1944. 48.8 p442

14544 MEEK, M. W. Rabbit diet requires variety. All-Pets Mag. 15(9): 56. Feb. 1944. 48.8 AL5

14545 MICKIEWITZ, B. J. The wonder grain [proso] for small livestock [rabbits and poultry]. Standard Rabbit Jour. 17(5): 4. Feb. 1944. 40.28 St2

14546 MORGAN, ALVIN. Rabbits need a balanced diet--greens and water essential. Poultry & Rabbit Monthly 12(2): 7-8. Feb. 1944. 47.8 P8654

14547 RUDRA, M. N. Manganese hunger in animals. Nature [London, 153: 111-112. Jan. 22, 1944. 472 N21

Experiments on rabbits and rats.

14548 SNOW, C. F. The first rabbit litters make an early start. Mod. Poultry Keeping 50: 11. Jan. 5, 1944. 47.8 Eg3

Feeding, care and management.

14549 TEMPLETON, G. S. Feeds and feeding of rabbits. Small Stock Mag. 28(3): 3, 30. Mar. 1944. 48.8 p442

14550 WILSON, W. K. Big experiment with silage in feeding rabbits. Poultry Farmer [London, 110(2849): 10. Jan. 28, 1944. 47.8 F312

14551 WILSON, W. K. Some factors influencing the drinking water requirements of the rabbit. Vet. Rec. 55: 462-463. Nov. 27, 1943. 41.8 V641

### Veterinary Medicine

14552 ORMROD, NOEL. Zinc poisoning in rabbits. Vet. Rec. 55: 366. Oct. 2, 1943. 41.8 V641

14553 TROWELL, O. A. Some morphological features of the spinal cord in the rabbit, with special reference to the production of artifacts. Quart. Jour. Expt. Physiol. and Cog. Med. Sci. 32: 213-231. Dec. 1943. 447.8 Q1

14554 WILKINS, LYLE. Hypertrophy of incisors in a rabbit. Vet. Med. 39: 74. Feb. 1944. 41.8 M69



Miscellaneous

- 14555 BEETCH, ALAN. Get your breeding stock ready. Poultry [London] 94(3178): 73. Feb. 1, 1944. 47.8 P869  
Care and management of rabbits.
- 14556 BEETCH, ALAN. Spring clean the rabbitry now. Poultry [London] 94: 57, 60. Jan. 25, 1944. 47.8 P869
- 14557 GARDNER, M. T. Some methods of wild rabbit destruction. So. Austral. Dept. Agr. Jour. 47: 138-139. Oct. 1943. 23 So84
- 14558 GARRETTSON, O. K. Certification of rabbit production. Small Stock Mag. 28(3): 5. Mar. 1944. 48.8 P442
- 14559 GORDON, M. D. Early-born rabbits need warmth. Field 183: 176. Feb. 12, 1944. 10 P45
- 14560 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Rabbits for flesh and fur. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet 161, 4 p. London, 1943. 10 G79La
- 14561 GRINSTEAD, W. T. Colony system of rabbit raising. Standard Rabbit Jour. 17(6): 5. 12. Mar. 1944. 40.28 St2
- 14562 HARDER, H. J. Angora wool rabbit raising ...Lesson 15. Advertising and publicity. Amer. Rabbit Jour. 13: 181-183. Dec. 1943. 40.28 Am3  
A 20-lesson course.
- 14563 MOORE, MERTON. How about rabbits? Country Gent. 114(3): 24, 72. Mar. 1944. 6 C833  
Deals with feeding, care and management, and meat value.
- 14564 NITZSCHE, H. W. Beginners in raising rabbits, can start right. Small Stock Mag. 28(3): 4. Mar. 1944. 48.8 P442
- 14565 ORR, C. W. Questions I am asked concerning rabbits. Small Stock Mag. 28(3): 8. Mar. 1944. 48.8 P442
- 14566 ROA, ENRIQUE. El conejo. Agr. Mod. [Habana] 1(1): 12. June 1943. 8 Ag882  
Advantages of raising rabbits for meat.
- 14567 ROMAIN, WILLIAM. Transferring young rabbits, to a nurse doe. Small Stock Mag. 28(3): 4. Mar. 1944. 48.8 P442
- 14568 SEIFERT, H. A. New Zealand's effective system of rabbit control by district boards. Stock and Land 33(50): 7. Dec. 15, 1943. 49 St63
- 14569 SNOW, C. F. Keep rabbit litters warm. Mod. Poultry Keeping 50: 29. Jan. 12, 1944. 47.8 Eg3
- 14570 URQUIZU VILLALBA, R. La cría del conejo en Cuba. (To be cont.) Agr. Mod. [Habana] 1(5/6): 16. Oct./Nov. 1943. 8 Ag882
- 14571 WILSON, W. K. Cold weather tips for care of rabbits. Poultry Farmer [London] 110(2852): 9. Feb. 18, 1944. 47.8 F312
- 14572 WILSON, W. K. These skins will wear well. Poultry Farmer [London] 109(2845): 8. Dec. 31, 1944. 47.8 F312  
How to determine when rabbit's fur is at its best.

SHEEP AND GOATSBreeds and Breeding

- 14573 \*BAL'MONT, V., and BAKANOVA, E. Vyvedenie novykh porod ovets v Kazakhstane [Breeding new types of sheep in Kazakhstan]. Sovkhoznoe Proizvodstvo 3(10/11): 30-34. Oct./Nov. 1943. 20 So85
- 14574 BLAETTNER, ELORA. Twenty-five years with Shropshires. (To be cont.) Sheepman 14: 307, 320. Feb. 1944. 45.8 Sh32
- 14575 \*DOEHNER, H. Zehn jahre aufbauarbeit in der schafzucht. Mitt. f. die Landw. 58: 783-785. Sept. 25, 1943. 18 D48M

- 14576 GUITHER, H. D. The story of my 4-H sheep breeding project. Amer. Farm Youth 9(9): 9. 12. Feb. 1944. 6 Am393
- 14577 \*HERRN, WOLF. Beiträge zur kenntnis der zwerzgiegen. Zool. Gart. (N. F.) Bd. 15, Heft 1/2. p. 26-45. 1943. Ref., p. 44-45. 410 Z724
- 14578 LACEY, J. J. Champions among sheep, are born and made. Sheep Breeder 64(2): 3. Feb. 1944. 45.8 Am31  
Also in Sheepman 14:311. Feb. 1944. 45.8 Sh32
- 14579 \*LITOVCHENKO, G. Sovetskie Rambul'e sibirskogo tipa [Soviet Rambouillet of the Siberian type]. Sovkhoznoe Proizvodstvo 3(6/7): 32-34. June/July 1943. 20 So85
- 14580 LITTON, G. W. Selection as a breeding plan, for improving sheep. East. Breeder 5(10): 55-57. Mar. 1944. 49 V81
- 14581 \*LUZHINA, E. Romanovskoi ovtsa v sovkhosakh [Sheep of the Romanovsk breed on the state farms]. Sovkhoznoe Proizvodstvo 3(6/7): 26-28. June/July 1943. 20 So85
- 14582 PAGET, R. F. Pedigree and goat breeding. Brit. Goat Soc. Monthly Jour. 37: 1-4. Jan. 1944. 40.19 B77M
- 14583 \*PECHISHCHEV, I. F. Pervye resul'taty vnedreniia tonkorunnogo ovtsevodstva v gor'kovskoi oblasti [First results of introducing fine-wooled sheep into the Gor'ki region]. Gor'ki. Gosud. Sel'sk. Khoz. Inst. Trudy (Gor'ki. State Inst. Agr. Papers) 4: 237-252. 1943. 106 B414T
- 14584 PEPLER, A. J. What is a stud sheep? So. African Merino Breeders' Jour. 5(4): 8-10. Oct. 1943. 45.8 So8
- 14585 SANDBURG, MRS. CARL. Nubian breeding plans form the breed's future. Dairy Goat Jour. 21(12): 6-7. Feb. 1944. 40.18 M592
- 14586 SCOTT, THOMAS. Cheviot sheep farming in Scotland; progress and changes since last century. Scot. Farmer 51: 143-144. Jan. 1, 1943. 10 Sco8
- 14587 \*STRUKOV, M. Gosudarstvennyi plemennoi rassadnik romanovskikh ovets [State breeding nursery of Romanovsk sheep]. Sotsialist. Sel'sk. Khoz. 14(10/11): 34-43. Oct./Nov. 1943. 281.8 So73
- 14588 STRUTHERS, GAVIN. A half century among Blackface sheep. Scot. Farmer 51: 61-63. Jan. 1, 1943. 10 Sco8  
The Black-Faced Highland breed.
- 14589 THOMPSON, D. D. Factors affecting the fertility of sheep. So. Austral. Dept. Agr. Jour. 47: 213-216. Dec. 1943. 23 So84

Feeds and Feeding

- 14590 BEESON, W. M., and others. The phosphorus requirement for fattening lambs. Jour. Anim. Sci. 3: 63-70. Feb. 1944. 49 J82  
R. F. Johnson, D. W. Bolin, and C. W. Hickman, joint authors.
- 14591 BELL, WILLIAM. Lamb feeder rations. Mont. Farmer 31(11): 5. Feb. 1, 1944. 6 M764
- 14592 COLE, L. D. Victory garden goat feeds. Dairy Goat Jour. 21(12): 9. Feb. 1944. 40.18 M592
- 14593 DUCK, R. W. Sheep and lambs in the North-east. Rural New-Yorker 103: 89, 100. Feb. 19, 1944. 6 R88  
Feeding, care and management.
- 14594 GLOVER, N. B. Conservation of water and fodder on the sheep farm. So. Austral. Dept. Agr. Jour. 47: 137-138. Oct. 1943. 23 So84
- 14595 GORDON, M. D. High feeding before kidding is not desirable. Field 183: 74. Jan. 15, 1944. 10 P45



14596 HATFIELD, J. D., and others. Iodine-fluorine relationships in sheep nutrition. Jour. Anim. Sci. 3: 71-77. Feb. 1944. 49 J82

C. L. Shrewsbury, F. N. Andrews, and L. P. Doyle, joint authors.

14597 JONES, J. M. The farm flock of sheep during feed shortages. Prog. Farmer, Tex. Ed. 59 (3): 28. Mar. 1944. 6 T311

14598 \*KNEBUSCH, V. Schafzucht und bodenfruchtbarkeit. Mitt. f. die Landw. 58: 880-882. Oct. 23, 1943. 18 D48M

14599 LEE, H. J. Copper supplements for sheep. So. Austral. Dept. Agr. Jour. 47: 131-132. Oct. 1943. 23 So84

14600 MILLER, J. I., and MORRISON, F. B. Effect of heat treatment and oil extraction on the utilization and digestibility of soybean protein by lambs. Jour. Agr. Res. 68: 55-48. Jan. 1, 1944. Ref. 1 Ag84J

14601 STAHL, R. J. Five sacks of beans in the tops. Through the Leaves 32(1): 27. Jan./Feb. 1944. 66.8 T41

Feeding value for sheep of an acre of beet tops is equivalent to the value of five sacks of beans.

14602 THOMAS, J. F. H. Arable crops for sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 508-511. Feb. 1944. 10 G79J

#### Veterinary Medicine

14603 AGATE, CORINNE. The thyroid gland and goats. Goat World 29(2): 4-7. Feb. 1944. 40.18 G53

14604 ANDREWS, J. S., KAUFFMAN, WILBUR, and DAVIS, R. E. Effects of the intestinal nematode, *Trichostrongylus colubriformis*, on the nutrition of lambs. Amer. Jour. Vet. Res. 5: 22-29. Jan. 1944. 41.8 Am3A

14605 ASDELL, S. A. The genetic sex of intersexual goats and a probable linkage with the gene for hornlessness. Science 99: 124. Feb. 11, 1944. 470 Sci2

14606 BLAETTNER, ELORA. Sheep and the newer drugs. Sheepman 14: 321. Feb. 1944. 45.8 Sh52

Sulfonamides in treating infections.

14607 BRITTON, J. W., and CAMERON, H. S. So-called enterotoxemia of lambs in California. Cornell Vet. 54: 19-30. Jan. 1944. Ref. 41.8 C81

14608 CASIDA, L. E., WARWICK, E. J., and MEYER, R. K. Survival of multiple pregnancies induced in the ewe following treatment with pituitary gonadotropins. Jour. Anim. Sci. 3: 22-28. Feb. 1944. 49 J82

14609 CASTLE, R. B. Scrotal necrosis in sheep following use of an emasculator. Vet. Med. 39: 38. Jan. 1944. 41.8 M69

14610 COLLINS, S. S. "Pulling lambs." Sheep Breeder 69(3): 4. Mar. 1944. 45.8 Am31

Aid in difficult lambing cases.

14611 DUCKWORTH, JOHN, and GODDEN, WILLIAM. The occurrence of abnormally low values for blood inorganic phosphorus and plasma phosphatase in sheep with concurrent hypoproteinaemia. Vet. Rec. 55: 382. Oct. 16, 1943. 41.8 V641

14612 EVELETH, D. F., and EVELETH, M. W. Further studies on the control of *Dictyocaulus filaria*, lung worms in sheep. M. S. C. Vet. 4: 22-25, 46. Fall 1943. 41.8 M582

14613 FURMAN, D. P. Effects of environment upon the free-living stages of *Ostertagia circumcincta* (Stadelmann) *Trichostrongylidae*: I. Laboratory experiments. Amer. Jour. Vet. Res. 5: 79-86. Jan. 1944. 41.8 Am3A

14614 INNES, J. R. M. Recent advances in connection with swayback in lambs, with allied disorders in man and animals and experimental demyelination diseases. Vet. Rec. 55: 369-372. Oct. 9, 1943. 41.8 V641

14615 \*MATOFF, KONSTANTIN. Ueber die empfänglichkeit des schafes für muskeltrichinellose. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 163-202. Feb. 8, 1943. Ref., p. 201-202. 41.8 Z32

14616 MILLER, R. C. Profit—one thousand per cent of investment in phenothiazine for control of sheep parasites. Prog. Farmer, Ky.-Tenn. Ed. 59 (3): 12, 49. Mar. 1944. 6 P945K

14617 MILLER, R. F. Advantages of the phenothiazine-salt mixture for sheep. Sheep and Goat Raiser 24(5): 37. Feb. 1944. 45.8 Sh3

14618 MITTON, R. L. Internal parasites of sheep. (Cont.) So. Austral. Dept. Agr. Jour. 47: 118-121. Oct. 1943. 23 So84

14619 MURPHREE, R. L., and others. Potential fertility of ova from ewes treated with gonadotropins. Jour. Anim. Sci. 5: 12-21. Feb. 1944. 49 J82

E. J. Warwick, L. E. Casida, and W. H. McShan, joint authors.

14620 MUTH, O. H. Control of pulpy kidney disease (entero-toxemia) of lambs. Amer. Vet. Med. Assoc. Jour. 104: 144-147. Mar. 1944. 41.8 Am3

14621 \*ORLOV, E. S. K voprosu o samoiachechii brutselleznykh ovets [On the question of spontaneous cure in sheep affected with brucellosis]. Veterinariia 19(10): 19-22. Oct. 1942. 41.8 V6426

14622 \*PALLASKE, G. Weitere untersuchungen über die listerellainfektion der schafe. Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 59: 125-145. Feb. 8, 1943. 41.8 Z32

14623 STEWART, A. M., and MOIR, R. J. Fertility in Merino sheep in north-western Australia. I. Observations on the incidence of oestrus in Merino ewes at Warralong Station. II. A survey of the fertility of Merino sheep in north-western Australia. Austral. Vet. Jour. 19: 152-164. Dec. 1943. 41.8 Am72

14624 THORNING, W. M., SAMPSON, JESSE, and GRAHAM, ROBERT. The anthelmintic efficiency of phenothiazine in sheep (capsule, bolus, drench and soybean pellets). Amer. Vet. Med. Assoc. Jour. 104: 67-72. Feb. 1944. 41.8 Am3

14625 UNDERWOOD, E. J., CURNOW, D. H., and SHIER, F. L. Further biochemical studies of pregnancy toxemia in sheep. Austral. Vet. Jour. 19: 164-173. Dec. 1943. 41.8 Au72

14626 WILLMAN, J. P., and BAKER, D. W. The stomach worm battle. Sheep Breeder 64(2): 6. Feb. 1944. 45.8 Am31

Use of phenothiazine on sheep.

#### Miscellaneous

14627 BLUNN, C. T. The influence of seasonal differences on the growth of Navajo lambs. Jour. Anim. Sci. 3: 41-49. Feb. 1944. 49 J82

14628 BOCKOCK, A. L. Mr. R. S. Hudson's sheep policy and the breed societies in Great Britain. Field 183: 126. Jan. 29, 1944. 10 F45

Policy of the Minister of Agriculture.

14629 BOSMAN, V. Studies on Merino wool production. Fleece tests on stud sheep. Farming in So. Africa 18: 789-794. Nov. 1943. 24 So842

14630 BOUGHTON, I. B., and others. Make them "fighting" sheep. Amer. Vet. Med. Assoc. Jour. 104: 133-135. Mar. 1944. 41.8 Am3

O. C. Cunningham, F. S. Hults, F. H. Leinbach, and R. F. Miller, joint authors.

A sheep management program developed by the Inter-Association Council on Animal Disease and Production.



## SWINE

Breeds and Breeding

- 14631 BROWNRIGG, H. D. A. Lamb marking. So. Austral. Dept. Agr. Jour. 47: 125-126. Oct. 1943. 23 So84
- 14632 CALDERÓN AGEZ, JULIO. La explotación de ovinos en Magallanes. Res 11: 14.392-14.394. May 20, 1943. 286.85 R31
- History of the sheep-raising industry.
- 14633 COOK, W. E. Refugees from a dairy wagon. Dairy Goat Jour. 21(12): 1, 5. Feb. 1944. 40.18 M592
- Family goat keeping.
- 14634 DE KLERK, J. C. Is there a future for Merino sheep farming in the southern Orange, Free State? Farming in So. Africa 18: 843-848. Dec. 1943. 24 So842
- 14635 LA ESQUILA en 1874. Aberdeen Angus, No. 20, p. 63-64, 100-103. Spring 1943. 43.8 Ab33
- Reprinted from "Anales de Agricultura de la Republica Argentina" published Oct. 15, 1874. In Argentina.
- 14636 FRITCH, IRVIN, and FRITCH, IRENE. How we do it. Goat World 29(2): 1-3. Feb. 1944. 40.18 G53
- Method of caring for does and kids at parturition.
- 14637 HARRISON, MRS. W. Y. Dairy goats pay for themselves in year. Dairy Goat Jour. 21(12): 7. Feb. 1944. 40.18 M592
- 14638 HENRY, MERTON. Tethering goats on a sweep. Dairy Goat Jour. 21(12): 7. Feb. 1944. 40.18 M592
- 14639 HODGE, J. L. Grazing selection improvements. Queensland Agr. Jour. 57: 300-304. Nov. 1943. 23 Q33
- Planning a sheep farm and buildings in Queensland.
- 14640 HUNTER, E. F. Dairy goats in the Andes in Colombia. Dairy Goat Jour. 21(12): 6. Feb. 1944. 40.18 M592
- 14641 JONTZ, DEWEY. Fall and winter sheep, flock management. Iowa Wool News 4(9): 3. Oct. 9, 1943. 280.28 I092
- 14642 LLOYD, E. W. Sheep for future British farming. Field 183: 124. Jan. 29, 1944. 10 F45
- 14643 MCDONALD, W. H. Lamb crop depends on care given ewes. Dakota Farmer 64: 82. Feb. 19, 1944. 6 D14
- 14644 MILLER, R. C. Care of ewes and lambs in 1944. Prog. Farmer, Ky.-Tenn. Ed. 59(2): 5, 61. Feb. 1944. 6 p045E
- 14645 NANDA, P. N., and SINGH, GURBUX. Shearing of sheep. Indian Farming 4: 288-290. June 1943. 22 In283
- 14646 SIMMONS, V. L. Comparison of growth in Karakul and mutton breeds of sheep. Jour. Anim. Sci. 5: 50-58. Feb. 1944. 49 J82
- 14647 SUTHERLAND, ALEX. Scottish ram sales in 1942. Scot. Farmer 51: 145-151. Jan. 1, 1943. 10 Sco8
- 14648 \*THORBERGSSON, J. H. Um sauðfé. Búnaðarfélag Íslands. Búnaðarrit 56: 98-106. 1943. 11 B88
- Sheep raising in Iceland.
- 14649 VEGA, J. F. Dos mil pesos por una cabra. Agr. Mod. [Habana] 1(1): 10. June 1943. 8 Ag882
- Urges goat raising as an industry for Cuba.
- 14650 VIEIRA, J. A. N. Melhoramento ovino, medidas que se impõem. (To be cont.) Rev. Agron. [Porto Alegre, Brazil] 7: 524-525. Oct. 1943. 9.2 R325
- In Brazil.
- 14651 WALLER, MAURINE. Care of the pregnant doe. Goat World 29(2): 10. Feb. 1944. 40.18 G53
- 14652 ENCK, RUTH, and ENCK, JOHN. A modern tale of three little pigs. Better Farms 4(18): 3. Feb. 15, 1944. 6 B462
- Raising Spotted Poland China swine.
- 14653 FAIRBANKS, B. W., ROBERTS, ELMER, and CARROLL, W. E. Quick maturity swine breeding experiment. Hog Breeder 14(1): 9. Jan. 1944. 46.8 H672
- 14654 \*HARING, F. Die deutsche Schweinezucht im kriege. Mitt. f. die Landw. 58: 545-546. July 10, 1943. 18 D48M
- 14655 HARSCH, GENE. Selection of brood sows. Amer. Hampshire Herdsman 19(2): 14, 74. Feb. 1944. 46.8 Am33
- 14656 HETZER, H. O., and ZELLER, J. H. Heritability of type in Poland China swine as evaluated by scoring. Hog Breeder 14(1): 122, 124. Jan. 1944. 46.8 H672
- 14657 MAGALHÃES, L. M. Reprodução de suínos. Ceres, Brazil, 4: 389-391. July/Aug. 1943. 9.2 G332
- 14658 MENEUGH, H. M. Iowa Poland China Breeders Association to have a promotion program. Poland China World 30(12): 9, 14-16, 18. Jan. 1944. 46.8 Sw62
- 14659 MITCHELL, C. W. Looking ahead; some observations on the future of the Berkshire business, and suggestions on business building. Berkshire News 9(4): 8, 20-21, 23-24, 28-29. Feb. 1944. 46.8 B454
- 14660 PEMBERTON, ROLLIE. The selection of a herd sire. Hereford Swine Jour. 4(1): 5. Dec. 1943. 46.8 H42
- 14661 RAYNS, FRANK. America seeks a new breed of pig. Farmer & Stock-Breeder 58: 129. Jan. 25, 1944. 10 F228
- 14662 ROBINSON, W. L. Durocs at the Ohio Agricultural Experiment Station. Duroc News 18(2): 14, 106, 108. Feb. 1944. 46.8 N212
- 14663 SALIER, ALLAN. Getting started in the 4-H, purebred swine business. Amer. Farm Youth 9(9): 8-9. Feb. 1944. 6 Am393
- 14664 SEVERSON, AL. What about those hams? Let's consider them from all angles. Amer. Hampshire Herdsman 19(2): 35, 38, 42. Feb. 1944. 46.8 Am33
- Judging Hampshire swine.
- 14665 SHELTON, E. J. More pig meats wanted. Queensland Agr. Jour. 57: 372-374. Dec. 1943. 23 Q33
- Deals with breeding and feeding.
- 14666 \*SHOLOKHOV, E. Vosstanovlenie plemennykh svinosavkhozov v osvobodzhennykh raionakh [The reestablishment of swine breeding farms in the liberated regions]. Sovkhoznoe Proizvodstvo 3(9): 31-33. Sept. 1943. 20 So85
- Feeds and Feeding
- 14667 BOHSTEDT, G., GRUMMER, R. H., and ROSS, O. B. Correcting deficiencies of pigs fed in dry lot. Hog Breeder 14(1): 92. Jan. 1944. 46.8 H672
- 14668 BOHSTEDT, G. Practical wartime swine rations in drylot (winter rations). Amer. Hampshire Herdsman 19(2): 108. Feb. 1944. 46.8 Am33
- Also in Chester White Jour. 34(2): 16-17. Feb. 1944. 46.8 W582
- Author's name given as G. Bohsted.
- 14669 BOLTON, W., HALE, R. W., and COMMON, R. E. Dried potatoes for fattening pigs. Scot. Jour. Agr. 24: 229-231. Jan. 1944. 10 Sco823o
- 14670 CATRON, DAMON. Efficient producer can still make money on hogs; hold tight; feed right! Successful Farming 42(3): 52, 54-55. Mar. 1944. 6 Sul2



14671 DAVIDSON, H. R. Brood sows from gilts' litters. *Farmer & Stock-Breeder* 58: 209. Feb. 8, 1944. 10 F228

Success depends largely on method of feeding.

14672 EDGERTON, C. T. Pioneering in swine production in the East. *Duroc News* 18(2): 54, 56. Feb. 1944. 46.8 N212

A swine industry developed to utilize, as feed, the waste products of a vegetable packing company.

14673 FAIRBANKS, B. W. Current problems in swine nutrition. *Amer. Vet. Med. Assoc. Jour.* 104: 89-97. Feb. 1944. 41.8 Am3

14674 FAIRBANKS, B. W., KRIDER, J. L., and CARROLL, W. E. Distillers' by-products in swine rations. I. Creep-feeding and growing-fattening rations. *Jour. Anim. Sci.* 3: 29-40. Feb. 1944. Ref., p. 39-40. 49 J82

14675 FERRIN, E. F. Making more pork from less protein. *Minn. Farm and Home Sci.* 1(2): 4-5. Feb. 15, 1944. 100 M668

14676 HALE, FRED. The wartime feeding of hogs. *Prog. Farmer, Tex. Ed.* 59(3): 19. Mar. 1944. 6 T311

14677 HUGHES, E. H. Cull lima beans for hogs. *Calif. Cult.* 91: 108. Feb. 19, 1944. 6 C12

14678 HUTCHINSON, J. C. D., and others. The nutritive value of potato protein for the pig. *Biochem. Jour.* 37: 550-562. 1943. 382 B52

J. S. D. Bacon, T. F. Macrae, and A. N. Worden, joint authors.

14679 MCAULIFFE, W. S. Shortage of proteins for pig feeding, value of linseed meal for protein supply. *So. Austral. Dept. Agr. Jour.* 47: 151. Nov. 1943. 23 So84

Also in *Westralian Farmers' News* 5(223): 7. Jan. 6, 1944. 280.28 W523

14680 MITCHELL, H. H. Is animal protein an essential constituent of swine and poultry rations? Ninth report of the Committee on Animal Nutrition. *Natl. Res. Council. Reprint and Cir. Ser.*, No. 117. 10 p. Washington, 1943. Ref., p. 9-10. 330.9 N21R

14681 \*PETERSEN, NIS. Ältre und neueste eiweisversuche für die praxis der schweinmast. *Mitt. f. die Landw.* 58: 801-802. Sept. 25, 1943. 18 D48M

14682 \*RICHTER, K., and BAENSCH, K. H. Verfütterung von kartoffel-grünfütter-gemischen an schweine. *Mitt. f. die Landw.* 58: 771-772. Sept. 18, 1943. 18 D48M

14683 \*RUSCHMANN, G. Einsäuerung von zucherrübenbrei für die schweinmast. *Mitt. f. die Landw.* 58: 837-839. Oct. 9, 1943. 18 D48M

14684 SEVERSON, AL. Raise that extra pig to increase pork supply. *Amer. Hampshire Herdsman* 19(2): 47, 64, 72, 74. Feb. 1944. 46.8 Am33

Feeding, care and management.

14685 \*THOMANN, W. Die schweinmast im winter 1943/44. *Schweiz. Milchztg.* 69: 422. Nov. 23, 1943. 44.8 Sch92

14686 THOMPSON, C. P. Feeding and caring for fall pigs. *Chester White Jour.* 34(2): 3. Feb. 1944. 46.8 W582

14687 \*WACHERNIG, HERMANN. Ist die erfüllung der marktschweineumlage möglich? *Mitt. f. die Landw.* 58: 789-790. Sept. 25, 1943. 18 D48M

German swine industry, stressing wartime feeds.

14688 WARWICK, E. J. Wartime swine rations. *West. Livestock Jour.* 27(18): 87-88, 90. Feb. 1944. 6 F2278

14689 WELCH, HOWARD. Feeding hogs barley. *Mont. Farmer* 31(11): 13. Feb. 1, 1944. 6 M764

#### Inspection and Quarantine

14690 BISSON, J. E. Les dernières restrictions concernant l'abattage des truies. *Terre de Chez Nous* 14, 1. e. 16(7): 23. Nov. 17, 1943. 7 T27

Applies to Canada.

#### Veterinary Medicine

14691 BARKER, C. A. V. Treatment of anoestrous of sows with diethylstilbestrol. *Canad. Jour. Compar. Med.* 8: 11-13. Jan. 1944. 41.8 C162

14692 CASTANEDO, J. A. Vacuna sus cerdos, pero hagalo comodamente. *Agr. Mod. [Habana]* 1(5/6): 9, 19, 24. Oct./Nov. 1943. 8 Ag882

Proper methods in vaccinating swine.

Also in *Rev. Canad. [Habana]* 4(1): 23-24. Jan. 1944. 49 R521

14693 CREASEY, R. F., and NOBLE, W. A. Pasturellosis in swine. *Vet. Rec.* 55: 353. Sept. 18, 1943. 41.8 V641

14694 \*DOBBERSTEIN, JOHANNES. Histopathologie des zentralnervensystems bei der poliomyelitis des schweines. *Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere* 59: 54-80. Oct. 16, 1942. 41.8 Z32

14695 DOYLE, L. P. A vibrio associated with swine dysentery. *Amer. Jour. Vet. Res.* 5: 3-5. Jan. 1944. 41.8 Am3A

14696 DURAN, J. J. Algunas enfermedades del ganado porcino. *Agr. Mex.* 59(11): 18-26. Nov. 1943. 8 Ag8

Principally parasites.

14697 FERRER Y DEL CASTILLO, V. L. Intoxicación de los cerdos por exceso de sal en la alimentación. *Agr. Mod. [Habana]* 1(5/6): 19. Oct./Nov. 1943. 8 Ag882

14698 \*FORTNER, J. Experimentelle untersuchungen über die ansteckende schweinelähme. *Ztschr. f. Infektionskrank., Parasitäre u. Hyg. der Haustiere* 59: 81-123. Oct. 16, 1942. 41.8 Z52

14699 FREITAS, M. G. Ascaridiose dos suínos. *Ceres [Brazil]* 4: 392-396. July/Aug. 1943. 9.2 C332

*Ascaris lumbricoides.*

14700 \*LÁSZLÓ, FRANZ. Tuberkulose der sehne bei einem schwein. *Deut. Tierärztl. Wchnschr.* 50: 330-331. Aug. 1, 1942. 41.8 D482

14701 LOSKY, R. F. Las enfermedades del puerco. *Bol. Agr. [Medellin]* No. 292/293, p. 2179-2186. Nov. Dec. 1943. 9.4 Sol

Internal and external parasites of swine.

14702 MCNUTT, S. H., and LEITH, T. S. Swine brucellosis. *M. S. C. Vet.* 4: 28-34, 50. Fall 1943. 41.8 M582

14703 MERKLEY, M. E. Treatment [with salt] for bloody enteritis. *Duroc News* 18(2): 18. Feb. 1944. 46.8 N212

14704 PETERMAN, J. E. Swine erysipelas. *Vet. Med.* 39: 53-58. Feb. 1944. 41.8 M69

14705 SCHANG, P. J. Vacunación antivariólica de los lechones. *Buenos Aires (City). Bolsa de Cereales Rev.* 31(1630): 5-6. Dec. 27, 1943. 287 B866

14706 SCHOFIELD, F. W. Anemia in suckling pigs. *Farmer's Mag.* 41(2): 42-43. Feb. 1944. 7 C165

14707 SIGURDSSON, BJORN. Studies on influenzal infections in the chick-embryo. *Jour. Immunol.* 48: 39-47. Jan. 1944. Ref. 44.8 J8232

Strains of human and swine influenza virus studied.

14708 \*SJOLTE, I. P. Om tuberculöst primaercomplex i lungerne hos svin. *Skand. Vet. Tidskr.* 33: 577-616. Oct. 1943. 41.8 Sk1

English summary.

14709 STEENERSON, T. L. Something to think about in [veterinary] practice [with swine]. *M. S. C. Vet.* 4: 16-21, 44. Fall 1943. 41.8 M582

14710 THE TREATMENT of enteritis in swine [a symposium]. *North Amer. Vet.* 25: 148-154. Mar. 1944. 41.8 N812



Miscellaneous

- 14711 ANDERSON, ARLIE. Treat her, the sow, right. Duroc News 18(2): 64, 66. Feb. 1944. 46.8 N212
- 14712 CANO, E., and BRUNO VIDELA, P. H. Experimentación porcina. Rev. Mens. B. A. P. 26(310): 51, 53-56; (311): 37; (312): 55-58; 27(314): 49-51. Sept.-Nov. 1943, Jan. 1944. 9 R326
- Swine industry in Argentina.
- 14713 COFFEY, J. S. Post war pork [producer] problems. Berkshire News 9(4): 6, 66. Feb. 1944. 46.8 B454
- 14714 GARCÍA, P. V. La cria del cerdo. Coop. Agr. Honduras, 3(32): 10-14, 16. June 1942. 280.28 C7874
- 14715 HOLAND, P. J. Sow testing proving out. Duroc News 18(2): 24-25, 96, 98. Feb. 1944. 46.8 N212
- 14716 HOLAND, P. J. Stay in the hog business. Duroc News 18(2): 15. Feb. 1944. 46.8 N212
- 14717 HOLLSTEIN, DICK. Attention to small details pays big dividends in wintering brood sows, be especially liberal with alfalfa hay and bedding! Amer. Hampshire Herdsman 19(2): 92, 98, 100. Feb. 1944. 46.8 Am33
- Feeding, care and management.
- 14718 HYDE, L. V. Plenty of quality displayed in this season's sale offerings. Can look forward to some good pig crops. Poland China World 31(1): 20. Feb. 1944. 46.8 Sw62
- 14719 LONGWELL, J. H. Brood sow needs. Dakota Farmer 64: 55. Feb. 5, 1944. 6 D14
- 14720 MCAULIFFE, W. S. More pig meats in Australia, to aid the war effort. So. Austral. Dept. Agr. Jour. 47: 147-150. Nov. 1943. 23 So84
- 14721 MODRA, L. The production of bacon pigs on a small scale. So. Austral. Dept. Agr. Jour. 47: 174-176. Nov. 1943. 23 So84
- 14722 PFENDLER, D. C. Time-savers in pork. Successful Farming 42(3): 110-111. Mar. 1944. 6 Sul2
- Efficient management and labor practices in raising swine.
- 14723 \*SEEDORF, W. Masterfolg durch putzen der schweine? Mitt. f. die Landw. 58: 903. Oct. 30, 1943. 18 P48M

ENTOMOLOGYGENERAL

- 14724 ALLAN, P. B. M. Substitute foodplants of insects. Ent. Rec. and Jour. Variation 56: 5-7. Jan. 1944. 421 En89
- 14725 BEESON, C. F. C. The influence of insects on the regeneration, composition and destruction of forests. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 31. Nov. 1943. 420 L84Pc
- 14726 \*BERLAND, LUCIEN. Les classifications des naturalistes confirmées par l'instinct des insectes. Rev. Sci. [Paris] 81: 59-64. Feb. 1943. 473 R32
- Specificity in selection of prey by Hymenoptera follows taxonomic plan established by naturalists.
- 14727 \*BERGOLD, G. Polyederfreie insektenzuchten. Naturwissenschaften 30: 422-424. July 3, 1942. 474 N213
- 14728 \*BERGOLD, GERNOT. Über polyederkrankheiten bei insekten. Biol. Zentbl. 63: 1-55. Jan./Feb. 1943. Ref. 442.8 B523

- 14729 BROWNELL, L. W. Photographing water insects. Amer. Photog. 38(3): 36-39. Mar. 1944. 332.8 Am3
- 14730 BRÜCHER E., GUILLERMO. Lista de algunos nombres vulgares de insectos. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 120-125. July/Dec. 1942. 464.9 C432B
- 14731 CASSELL, R. Insect warriors; life vs death in the insect kingdom. U. S. Camera 7(2): 28-29, 50-51. Mar. 1944. 332.8 Un3A
- Photographs.
- 14732 DIVER, CYRIL. Insects limited by the general conditions imposed by plant communities. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 30-31. Nov. 1943. 420 L84Pc
- 14733 \*GÜNTHER, K. Berichte und abhandlungen aus der entomologischen abteilung des Staatl. Museums für Tierkunde, Dresden. Deut. Ent. Ztschr. "Iris," Ergänzungsband, July 15, 1943, 120 p. 421 D482
- Contents: Bericht über die neuerwerbung dreier entomologischer sammlungen für das Staatliche Museum für Tierkunde zu Dresden, p. 3-6; Karl Friedrich Hartmann (1859-1932), p. 6-9; Vermischte studien über rüsselkäfer, p. 10-96; Nachträge zur kenntnis der von Prof. R. Woltereck 1932 auf Celebes und dem Sanghir-Archipel gesammelten rüsselkäfer, p. 97-120.
- 14734 HASEMAN, L. H. Entomological folklore. Pests 12(2): 13-14. Feb. 1944. 449.8 Ex8
- 14735 JONES, J. R. E. The fauna of the river Teifi, West Wales. Jour. Anim. Ecol. 12: 115-123. Nov. 1943. 410 J826
- Insects comprise greater part of species collected.
- 14736 MCDUNNOUGH, J. Genotype tangles. Can. Ent. 76: 20. Jan. 1944. 421 C16
- Questions validity of Glaea pastillicans Morr.
- 14737 MILNE, L. J., and MILNE, M. J. Selection of colored lights by night-flying insects. (Abs.) Anat. Rec. 87: 457. Dec. 1943. 447.8 An1
- 14738 PAIROA E., HECTOR. Una sencilla innovación en las preparaciones microscopicas de insectos pequeños. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 126-131. July/Dec. 1942. 464.9 C432B
- 14739 RAIT-SMITH, W. The sale of the Tait, Whitehouse and other collections. Entomologist 76: 254-256. Dec. 1943. 421 En8
- Collections of H. B. Whitehouse, R. Tait, C. P. Bethune, H. J. Turner.
- 14740 RICHARDS, A. G., JR. [Notes on insect cuticle.], Ent. News 55: 18-21. Jan. 1944. 421 En88
- First article under reinstated heading, Notes and News in Entomology.
- 14741 SALISBURY, E. J. [Insect-flower relations.], (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 29. Nov. 1943. 420 L84Pc
- 14742 SCOTT, HUGH. Notes on the season of 1943. Ent. Monthly Mag. 80: 1-4. Jan. 1944. 421 En86
- 14743 WULFF, V. J., and JAHN, T. L. Correlation of E.M.F. and photochemical changes in the dark-adapted insect eye. (Abs.) Anat. Rec. 87: 479-480. Dec. 1943. 447.8 An1
- Experiments with grasshoppers and moths.

GENERAL - ECONOMIC

- 14744 ARSENIC. (To be cont.) Milk Prod. Gaz. 3(11): 9-10. Jan. 1944. 44.8 M5995
- General discussion including insecticidal use.
- 14745 BUXELL, JOHN. St. Louis legislation with reference to the pest control operator. Pests 12(2): 12. Feb. 1944. 449.8 Ex8



- 14746 CAMPBELL, J. C. Potato spray studies in 1943. Hints to Potato Growers 24(9): 3-4. Jan. 1944. 75.9 H59
- 14747 CARTER, R. H., MANN, H. D., and SMITH, C. M. The chemical nature of copper-arsenic insecticides. (Sci. note.) Jour. Econ. Ent. 36: 941-942. Dec. 1943. 421 J822
- 14748 CHAPMAN, P. J. Fruit insect problems. Rural New-Yorker 103: 128. Mar. 4, 1944. 6 R88
- 14749 CLARK, J. H. Get the jump on fruit pests! Home Gard. 3(2): 37-39. Feb. 1944. 80 H756
- 14750 CODY, C. E. Pests on strawberries reduced by dusts, bait. Better Fruit 38(8): 2, 6. Feb. 1944. 80 B46
- Refers to control of *Aphrophora permutata*, *Anthonomus signatus*, and *Conopia bibionipennis*.
- 14751 COMPTON, C. C. Control of mumm insects with insecticides now available. South. Florist & Nurseryman 56(22): 8, 10. Feb. 25, 1944. 80 So86
- Also in *Chrysanthemum Soc. Amer. Bul.* 12(1): 7-8. 1944. 81 C46B
- 14752 COX, A. J. Terminology of insecticides, fungicides and other economic poisons. Jour. Econ. Ent. 36: 813-821. Dec. 1943. 421 J822
- 14753 DAVIAULT, LIONEL. La lutte contre les insectes nuisibles. Forêt Québécoise 7: 146. Mar. 1944. 99.8 F79
- 14754 DAVIAULT, LIONEL. Principaux insectes forestiers de l'année 1943. Forêt Québécoise 7: 85. Feb. 1944. 99.8 F79
- 14755 DAWSON, J. C. Fumigation for the armed forces and the home front. Pests 12(2): 10-11. Feb. 1944. 449.8 Ex8
- Discusses methyl bromide, chloropicrin, isopropyl formate.
- 14756 DAWSON, J. C. Fumigation - from the inside and outside. Mod. Packaging 17: 96-98, 122. Feb. 1944. 309.8 M72
- Against insect pests in packaged goods.
- 14757 DELONG, D. M. Close ups of the more common fruit insects. Amer. Fruit Grower 64(2): 9, 22. Feb. 1944. 80 G85
- 14758 \*DEMME, KARL. Die Reichsvereinigung der Schädlingsbekämpfer (RDS) e. V. Desinfekt. u. Schädlingsbekämpfung. 35: 31-32. Apr. 1943. 449.8 Z36P
- 14759 DIETRICK, L. B. The outlook for insecticide and fungicide supplies. Va. Agr. Col. Ext. Ext. Div. News 26(4): 5. Feb. 1944. 275.29 V81E
- 14760 ESSIG, E. O. Modern agriculture invites plant pests. A.I.F. News 2(5): 1, 4. Mar. 1944. 421 Ag8
- 14761 ESSIG, E. O., and others. A report on the penetration of packaging materials by insects. Jour. Econ. Ent. 36: 822-829. Dec. 1943. 421 J822
- W. M. Hoskins, E. G. Linsley, A. E. Michelbacher, R. F. Smith, joint authors.
- 14762 \*FRANKENBERG, G. VON. Insekten als Helfer bei der schädlingsbekämpfung. Umschau 47: 235-237. Oct. 1943. 474 Um7
- 14763 FULLAWAY, D. T. Are insects and diseases to be a critical factor in the year round food crop production? Hawaii Farm and Home 7(2): 10. Feb. 1944. 25 H3191
- Excerpts from address.
- 14764 GIBSON, ARTHUR. International entomology. Jour. Econ. Ent. 36: 944-945. Dec. 1943. 421 J822
- 14765 \*HAUSAM, W., and LIEBSCHER, E. Holzwespen [Sirex gigas, S. juvenis] und bohrrkäfer [Stephanopachys substriatus] als schädlinge in der lederindustrie. Collegium, No. 875, p. 65-67. Sept. 1943. 303.8 C67
- 14766 HAYWARD, K. J. Primera lista de insectos tucumanos perjudiciales. Tucuman Estac. Expt. Agr. Pub. Misc. 1, 110 p. Tucuman, 1942. 102.5 T79P
- 14767 HINTON, H. E. Beetles and moths recently introduced into Britain on stored products. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 9: 2. Feb. 2, 1944. 420 L84Pc
- 14768 HOLDAWAY, F. G. Progress in the control of insects attacking vegetables. Hawaii Farm and Home 7(2): 11, 16. Feb. 1944. 25 H3191
- Excerpts from address.
- 14769 HURST, H. Principles of insecticidal action as a guide to drug reactivity-phase distribution relationships. Faraday Soc. Trans. 39: 390-411. Dec. 1943. 382 F22
- A technical study of the biological activity of drugs, including method of access through insect cuticle and distribution throughout the system.
- 14770 INSECT pests of vegetable crops. So. Austral. Dept. Agr. Jour. 47: 188-197. Dec. 1943. 23 So84
- 14771 IOWA. DIVISION OF ENTOMOLOGY AND API-CULTURE. Annual report for 1942. Iowa Yearbook Agr. (1942) 43: 93-137. 1943. 2 Io9R
- Contents: Division of Entomology [by C. J. Drake], p. 93-114. The European corn borer [Pyrausta nubilalis], in Iowa, by C. J. Drake, and H. M. Harris, p. 115-133. Report of State apiarist, by F. B. Paddock, p. 134-137.
- 14772 JOHNSON, C. C. File on fumigation. Amer. Miller 72(1): 213-214, 218. Jan. 1944. 298.8 Am32
- How to organize a program for insect control.
- 14773 \*KAVEN, GEORG. Insekten als holzschädlinge und ihre bekämpfung. (Concl.) Desinfekt. u. Schädlingsbekämpfung. 35: 73-74, 78-80. Aug., Sept. 1943. 449.8 Z36P
- 14774 LANGE, W. H., JR. Dusts for cabbage. "Blitz" cabbage insects with free nicotine dusts. West. Grower & Shipper 15(3): 11. Feb. 1944. 280.38 W52
- 14775 LEE, C. S., and HANSBERRY, ROY. Toxicity studies of some Chinese plants. Jour. Econ. Ent. 36: 915-921. Dec. 1943. 421 J822
- Test insects: *Epilachna varivestis*, *Bombyx mori*, *Aphis rumicis*, *Carpocapsa pomonella*, *Cacoecia cerasivorana*, *Autographa brassicae*, *Paleacrita vernata*.
- 14776 LINSLEY, E. G., and MICHELbacher, A. E. A report on insect infestation of stored grain in California. Jour. Econ. Ent. 36: 829-831. Dec. 1943. 421 J822
- 14777 MARKWOOD, L. N. Post-war insecticide markets. Drug, Vitamin and Allied Indus. 30(2): 16-18. Feb. 1944. 396.8 St2
- 14778 \*MATTRAS, H., and D., E. Les "groupements de défense" permanente contre les ennemis des cultures. Prog. Agr. et Vitic. 119: 74-77. Mar. 7/14, 1943. 14 P94
- 14779 MAYER, E. L., and PHILLIPS, A. M. Di-n-butylamine as a fumigant. (Sci. note.) Jour. Econ. Ent. 36: 942-943. Dec. 1943. 421 J822
- 14780 \*METZNER, SIEGFRIED. Entwicklung und gegenwärtiger stand der pestverbreitung in Afrika. Deut. Tropenmed. Ztschr. 47: 399-423, 465-478. Aug. 1, Sept. 1, 1943. 449.8 Ar22
- Includes listing of lice, fleas, mites, ticks infesting African rodents.
- 14781 \*MICHAEL, HERBERT. Biologisches denken als grundlage der praktischen schädlingsbekämpfung. Desinfekt. u. Schädlingsbekämpfung. 35: 45-46. May 1943. 449.8 Z36P
- 14782 MICHELbacher, A. E. Some aspects of moisture in its relation to insect pest control. Pests 12(2): 21-23. Feb. 1944. 449.8 Ex8



- 14783 MONRO, H. A. U. Tests with a pyrethrum aerosol against cockroaches and stored product pests. *Pests* 12(2): 15-16. Feb. 1944. 449.8 Ex8  
Test insects: *Plodia interpunctella*, *Tribolium castaneum*, *Tenebrio obscurus*, *Blattella germanica*.
- 14784 MORANTE J., ERNESTO. Las plagas del algodono en Huacho, Supe y Pativilca en la campaña 1942-43. *Vida Agr.* 20: 813-816. Nov. 1943. 9.8 V66
- 14785 MULLINS, J. Common external parasites of farm animals. *New Zeal. Jour. Agr.* 67: 437-440. Dec. 15, 1943. 23 N48J
- 14786 MUNGOMERY, R. W. Bureau of Sugar Experiment Stations. Report of the Division of Entomology and Pathology - No. 2. *Austral. Sugar Jour.* 35: 376-377. Jan. 13, 1944. 65.8 Au7
- 14787 THE NEW mystery insecticide. *Amer. Fruit Grower* 64(2): 7. Feb. 1944. 80 G85  
*Dichloro-diphenyl-trichloroethane*.
- 14788 OUR NEXT world war - against insects. *Pop. Mechanics Mag.* 81(4): 66-70. Apr. 1944. 291.8 P81
- 14789 \*PAUCK, P. Sorgfältige schädlingsbekämpfung verbessert die ernten. *Deut. Gart.* 58: 6-7. Jan. 1943. 80 P883
- 14790 \*PETERS, G., and others. Richtlinien für die zweckentsprechende auswahl von mitteln, apparaten und verfahren zur entwesung. *Desinfekt. u. Schädlingsbekämpf.* 35: 43-45, 53-54, 71-72. May, June, Aug. 1943. 449.8 Z36P  
A series of articles by G. Peters, A. W. Arlt, and W. Rasch.
- 14791 \*PETERS, G., and EMMERICH, A. Spritzen - sprühen - vernebeln. *Prakt. Desinfektor* 34: 81-82. Aug. 1942. 449.8 Z36P
- 14792 \*PETERS, G. Was wurde erreicht? Eine stellungnahme zur gründung der Reichsvereinigung der Schädlingsbekämpfer, (RDS) e. V. *Desinfekt. u. Schädlingsbekämpf.* 35: 32-33. Apr. 1943. 449.8 Z36P
- 14793 \*PETTSCHATT, E. Tagung der beauftragten der RDS [Reichsvereinigung der Schädlingsbekämpfer]. *Desinfekt. u. Schädlingsbekämpf.* 35: 54-56. Juni 1943. 449.8 Z36P
- 14794 PRINCIPALES plagas agrícolas producidas por insectos y otros animales que fueron objeto de consulta en el segundo semestre (Julio-Diciembre) de 1942. *Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg.* 2: 158-162. July/Dec. 1942. 464.9 C432B
- 14795 \*RAHMAN, K. A., and SINGH, DALBIR. Insects and sugar industry. *Indian Sugar* 6: 345-353. Sept. 1943. 65.8 In25
- 14796 RASMUSSEN, E. J. Diseases and insects. *Florists' Rev.* 93(2411): 19-20. Feb. 10, 1944. 80 W41  
Control of greenhouse pests.
- 14797 \*SCHEDL, K. E. Der forstliche pflanzen-schutz in der Ukraine. *Forstarchiv* 19: 85-95. Mar. 15, 1943. 99.8 F7723
- 14798 SHELANSKI, H. A. Toxicity studies on insecticides. *Soap* 20(2): 107-109, 133. Feb. 1944. 307.8 Sol2
- 14799 SHERMAN, V. W. Electronic sterilization in the package. *Mod. Packaging* 17: 99. Feb. 1944. 309.8 M72  
To prevent insect infestation of foodstuffs.
- 14800 SILVA, PEDRITO. Insect pests of cacao in the state of Bahia, Brazil. *Trop. Agr. [Trinidad]* 21: 8-14. Jan. 1944. 26 T754
- 14801 SINGH, MOHAN. Household insect pests and their control. III. *Indian Farming* 6: 285-287. June 1943. 22 In283  
*Liposcellis transvallensis*; *Cimex lectularius*; *C. rotundatus*.
- 14802 SMITH, R. H. Insects and mites injurious to sycamore trees (*Platanus* spp.) in western North America. *Arborist's News* 9: 9-15. Feb. 1944. 99.8 Ar14
- 14803 SPRAY recommendations for 1944 as drawn up at 18th annual Western Spray Conference. *Better Fruit* 38(8): 9-10, 12-13, 15. Feb. 1944. 80 B46
- 14804 STETSON, DON. The outlook for bug controls. *Home Gard.* 3(2): 11-12. Feb. 1944. 80 H756
- 14805 SULLIVAN, W. N., SCHECHTER, M. S., and HALLER, H. L. Insecticidal tests with *Phellodendron amurense* extractive and several of its fractions. (Sci. note.) *Jour. Econ. Ent.* 36: 937-938. Dec. 1943 421 J822  
Tests made on mosquito larvae, *Musca domestica*, *Carpocapsa pomonella*.
- 14806 TAYLOR, G. C. Winter spraying of fruit trees. *Country Life [London]* 95: 118-119. Jan. 21, 1944. 80 C83
- 14807 \*TOLUNAY, MITHATALI. Eine neue wirksame anwendungsmethode des globols (dichlorbenzol) gegen insekten und kleintiere. *Centbl. f. das Gesam. Forstw.* 68: 91-92. Apr. 1942. 99.8 C33
- 14808 \*VIVET, E. Parasites du melon. *Rev. Agr. de l'Afrique du Nord* 41: 79-80. May 7, 1943. 80 R326  
*Epilachna* sp.
- 14809 WANTED - a simple spray schedule. *Rural New-Yorker* 103: 68. Feb. 5, 1944. 6 R88
- 14810 WILLE, J. E. Servicio especializado de entomología. Lima, Peru. *Estac. Expt. Agr. de La Molina. Mem.* 14: 189-231. 1941. 102.5 L62EM  
Partial contents: Insectos del algodonoero, p. 191-207. Insectos de la caña de azúcar, p. 208-209. Insectos de los cultivos tropicales, p. 210-211. Insectos dañinos a los cereales, p. 211-215. Insectos dañinos a la fruticultura y a la horticultura, p. 215-226. Insectos dañinos a cultivos diversos, p. 226-228.
- 14811 YEAGER, J. F., and WILSON, C. S. Circa 42, a new itch remedy. *Jour. Lab. and Clin. Med.* 29: 177-178. Feb. 1944. 448.8 J8233  
Tests with mosquito, chigger, and other insect bites.
- 14812 YOUNG, M. T., GARRISON, G. L., and GAINES, R. C. Calcium arsenate with and without cube and nicotine for control of the boll weevil [*Anthonomus grandis*] and the cotton aphid [*Aphis gossypii*], at Tallulah, La., in 1942. *Jour. Econ. Ent.* 36: 901-903. Dec. 1943. 421 J822

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- 14813 \*ABEGGLEN-SEILER, P. Warum wandern? *Schweiz. Bienen Ztg.* 66: 197-199. Apr. 1943. 424.8 Sch9  
Migratory beekeeping.
- 14814 EL APOYO oficial para los apicultores se ha concretado en la creación de la Escuela Nacional de Apicultura. Aspectos generales de la industria y posibilidades tuturas. *Rev. de Agr. [Costa Rica]* 15: 523-526. Dec. 1943. 8 Eal
- 14815 \*APPERT, K. Aufgaben und organisation eines bienenzüchtervereins. *Schweiz. Bienen Ztg.* 66: 287-291. June 1943. 424.8 Sch9  
Refers to Verein Deutsch-Schweizerischer Bienenfreunde.
- 14816 AVERY, G. W. Swarming and supersedure. *Scot. Beekeeper* 19: 151; 20: 9, 20. Dec. 1943, Jan., Feb. 1944. 424.8 Sco8
- 14817 BABCOCK, HAVILAH. Bees for bream. *Field and Stream [New York]* 48(1): 28-29, 60-61. May 1943. 410 F45  
Use of *Apis mellifera* drone larvae as fish bait.



- 14818 BAIRD, SPENCER. Spring management of cellar wintered bees. *Gleanings Bee Cult.* 72: 87, 113. Mar. 1944. 424.8 G47
- 14819 \*BAUMGARTNER, FRITZ. Zuckerrübenkonzentrat als bienenfutter oder als ersatz für einmachzucker. *Schweiz. Bienen Ztg.* 66: 202. Apr. 1943. 424.8 Sch9
- 14820 \*BERNIS, J. Les abeilles et le miel à travers les âges. (Concl.) *Prog. Agr. et Vitic.* 119: 36-38, 159-161; 120: 24-28, 54-58. Jan. 24/31, May 16, July 18, Aug. 8/15, 1943. 14 P94
- 14821 BEST, HERBERT. Two queens. *Beekeeping* 9: 143. Nov. 1943. 424.8 B3991
- Scarcity of beekeeping equipment justifies trial of two queens in one hive.
- 14822 \*BLATTNER, W. Gottlob! Milbenseuche bin ich los! *Schweiz. Bienen Ztg.* 66: 193-196. Apr. 1943. 424.8 Sch9
- Mite disease, *Acarapis woodi*, of honeybees.
- 14823 BOND, R. M. Soil conservation crops make honey. *Amer. Bee Jour.* 84: 88-89. Mar. 1944. 424.8 Am3
- 14824 \*\*BONI, G. I trattamenti velenosi ai fruttiferi e le api. *Note di Fruttic.* 20: 43-47. 1942. Noted in *\*Internatl. Inst. Agr. Internatl. Bul. Plant Protect.* 16: 126M. Sept. 1942. 464.8 In8
- 14825 BRAMTELL, J. F. The "Wilson" bee-escape. *Beekeeping* 9: 58-59. Apr. 1943. 424.8 B3991
- 14826 BRAUN, ED. Bees have cleansing flights. *West. Canada Beekeeper* 7(2): 4. Feb. 1944. 424.8 W525
- 14827 \*BRUNNICH, F. 58. Jahresbericht über die apistischen beobachtungsstationen pro 1942. *Schweiz. Bienen Ztg.* 57-67. Feb. 1943. 424.8 Sch9
- 14828 \*BRUNNICH, F. Die frühjahrsernte 1943. *Schweiz. Bienen Ztg.* 66: 259-260. June 1943. 424.8 Sch9
- 14829 \*BRUNNICH, F. Fütterungsversuche mit sojamehl. *Schweiz. Bienen Ztg.* 66: 129-131. Mar. 1943. 424.8 Sch9
- 14830 \*BUHK. Die sojafutterwabe, ihre schnelle herstellung und ihr nutzen. *Deut. Bienenzucht* 49: 231-232. Mar. 1942. 424.8 D48
- 14831 \*BURRI, R. Weitere beobachtungen über formwandlungen beim erreger der sauerbrut der bienen. *Schweiz. Bienen Ztg.* 66: 188-191. Apr. 1943. 424.8 Sch9
- At head of title: Beiheft 5 zur Schweizerischen Bienen Zeitung.
- European foulbrood.
- 14832 CARM, A. S. Honey can screw cap standardization. *Gleanings Bee Cult.* 72: 92. Mar. 1944. 424.8 G47
- 14833 CARTER, G. A. Fruit sprays and bees. 3. Detection of poisoning. *Beekeeping* 9: 119. Sept. 1943. 424.8 B3991
- 14834 CARTER, G. A. Sterilisation of brood combs. *Bee Craft* 26: 10-11. Feb. 1944. 424.8 B3925
- For American foulbrood.
- 14835 CARTER, G. A. Sterilisation of super combs. *Beekeeping* 9: 142. Nov. 1943. 424.8 B3991
- Refers to combs in American foulbrood colonies.
- 14836 CARTER, G. A. Treatment of foul brood infected combs. *Scot. Beekeeper* 20: 10. Jan. 1944. 424.8 Sco8
- 14837 CHAPMAN, J. M. [Beekeeping in] Rio Grande Valley of New Mexico. *Beekeepers' Item* 28: 58-59. Feb. 1944. 424.8 B397
- 14838 CROWSON, H. W. Defective brood. *Brit. Bee Jour.* 62: 22-23, 27. Jan. 27, Feb. 3, 1944. 424.8 B77
- Deals with addled brood, chilled brood, chalk brood, and bald brood.
- 14839 DEYELL, M. J. Handling package bees. *Gleanings Bee Cult.* 72: 83-85. Mar. 1944. 424.8 G47
- 14840 \*DITTES, HUGO. Unbenutzte bienenwohnungen. *Deut. Bienenzucht* 50: 15-16. May 1942. 424.8 D48
- Unused hives should be protected against wax moths and bee diseases.
- 14841 \*DREHER, K. Das luftbedürfnis der bienen im winter. *Bayer. Biene* 64: 179-181. Dec. 1942. 424.8 B34
- 14842 \*DUMLER, H. Wer hat das schon erlebt? *Bayer. Biene* 64: 163-164. Nov. 1942. 424.8 B34
- 14843 ECKERT, J. E. Who can beat this record for producing wax? *Gleanings Bee Cult.* 72: 90. Mar. 1944. 424.8 G47
- 14844 [EDWARDS, E. E.] The future of beekeeping in Wales with special reference to Glamorgan. (Cont.) *Beekeeping* 10: 16-18. Feb. 1944. 424.8 B3991
- 14845 \*ENZLER, K. Auch als soldat imker. *Bayer. Biene* 64: 113. Aug. 1942. 424.8 B34
- Importance of apiculture in wartime.
- 14846 \*FEY, J. Jahresbericht über standbesuche und nosenhilfe pro 1942. *Schweiz. Bienen Ztg.* 66: 123-128. Mar. 1943. 424.8 Sch9
- 14847 \*FEY, JEAN. Bericht über die schwarm- und völkervermittlung des V. D. S. B. pro 1942. *Schweiz. Bienen Ztg.* 66: 176-178. Apr. 1943. 424.8 Sch9
- 14848 \*FEY, JEAN. Mein reservkasten. Ein beitrag zur praktischen bienenzucht. *Schweiz. Bienen Ztg.* 66: 226-228. May 1943. 424.8 Sch9
- 14849 \*FEY, JEAN. Über erstellung und verwendung der reservölker. *Schweiz. Bienen Ztg.* 66: 273-275. June 1943. 424.8 Sch9
- 14850 \*FRICK, W. Unser weg zur besten biene. *Deut. Bienenzucht* 50: 28-29. June 1942. 424.8 D48
- It has been shown that it is genetically possible to improve the bee strain through breeding.
- 14851 \*FRICK, WERNER. Beobachtungen über fütterung mit sojamehl im jahr 1941. *Deut. Bienenzucht* 49: 230-231. Mar. 1942. 424.8 D48
- 14852 \*FYG, W. Anatomie der bienenkönigin. *Schweiz. Bienen Ztg.* 66: 236. May 1943. 424.8 Sch9
- Anatomical drawing.
- 14853 GADGE, S. W. Timber saving in hive making. *Bee Craft* 26: 11. Feb. 1944. 424.8 B3925
- 14854 GAMBLE, REGINALD. To would-be bee-keepers. *Smallhold. and Home Gard.* 70(1766): 9. Jan. 21, 1944. 10 Sm1
- 14855 GILL, A. G. Business [of beekeeping] in a changing world. *Ill. State Beekeepers' Assoc. Ann. Rpt.* (1941/42) 41/42: 94-97. 424.9 I16
- 14856 \*GMÜR, OTTO. Zum besuch der belegstationen im Kanton St. Gallen. *Schweiz. Bienen Ztg.* 66: 231-235. May 1943. 424.8 Sch9
- 14857 \*GOE. Bienen Schäden beim gebrauch giftiger pflanzenschutzmittel. *Deut. Obstbau* 57: 98-99. May 1942. 80 M73A
- 14858 \*GOLLWITZER, L. Wissenswertes von der vererbungslehre. *Bayer. Biene* 64: 149-150. Oct. 1942. 424.8 B34
- 14859 \*GOLLWITZER, L. Zuchthilfen des reinzüchters. *Bayer. Biene* 64: 104-105. July 1942. 424.8 B34



- 14860 GOODACRE, W. A. The characteristics of various races of bees. Australasian Beekeeper 45: 113-115. Dec. 1943. 424.8 Au72
- 14861 \*GYGLI, KARL. Ausreisser! Decamping swarms. Schweiz. Bienen Ztg. 66: 275-276. June 1943. 424.8 Sch9  
Translated in Bee World 25: 2. Jan. 1944. 424.8 B399
- 14862 \*HARNEY, WILH. Die 1 1/2-kilometergrenze. Bayer. Biene 64: 167-168. Nov. 1942. 424.8 B34
- 14863 \*HEIBL. Reichlich honigtan von bienen verschmäh. Bayer. Biene 64: 118-119. Aug. 1942. 424.8 B34
- 14864 \*HERBOLSHEIMER, ANDREAS. Die bienentränke auch im sommer. Deut. Bienenzucht 50: 2-3. Apr. 1942. 424.8 D48
- 14865 \*HERBOLSHEIMER, ANDREAS. Vom brutvor-kommen im August. Bayer. Biene 64: 116-117. Aug. 1942. 424.8 B34
- 14866 \*HERBOLSHEIMER, ANDREAS. Vorsicht, heuer groasse mäuseplage! Bayer. Biene 64: 163. Nov. 1942. 424.8 B34
- 14867 \*HERBOLSHEIMER, ANDREAS. Wie zeichne ich die königinnen? Bayer. Biene 64: 105-106. July 1942. 424.8 B34
- 14868 \*HOLLMANN. Winter erfahrungen. Deut. Bienenzucht 50: 16-18. May 1942. 424.8 D48
- 14869 HOLMES, J. W. O. Behaviour of hive-bees [Apis mellifera] after a bomb explosion. Entomologist 76: 261-262. Dec. 1943. 421 En8
- 14870 HOWARD, I. E. Beekeeping in Alaska. Gleanings Bee Cult. 72: 91. Mar. 1944. 424.8 G47
- 14871 \*HUBNER, J. Heizen die bienen ihre wohnungen? Imker aus Thüringen 49: 222-223. Feb. 1942. 424.8 D48
- 14872 \*HUNKELER. 35. Jahresbericht über die faulbrutversicherung des V. D. S. B. pro 1942. Schweiz. Bienen Ztg. 66: 118-122. Mar. 1943. 424.8 Sch9
- 14873 \*HUNKELER, M. Die beste biene. Schweiz. Bienen Ztg. 66: 179-188. Apr. 1943. 424.8 Sch9  
Both Carniolan and Italian races have been tried in Germany.
- 14874 \*HUNKELER, M. Von unserer rassenzucht im jahre 1942. Schweiz. Bienen Ztg. 66: 7-9. Jan. 1943. 424.8 Sch9
- 14875 JAMIESON, C. A. To what extent does Nosema disease affect Canadian beekeepers? West. Canada Beekeeper 7(2): 7. Feb. 1944. 424.8 W525
- 14876 JAVET, GUILLERMO. La-base de una buena co-secha. Campesina [Santiago, Chile] 75: 780. Dec. 1942. 9.3 Sol2
- 14877 JENKINS, NORMAN. Manna from gums. Austral. Bee Jour. 25: 4. Jan. 1944. 424.8 V66  
Account of bees working on red gum [Eucalyptus], leaves for nectar.
- 14878 \*KELLER, W. Dampfwachsschmelzer in jedem haus. Bayer. Biene 64: 147. Oct. 1942. 424.8 B34
- 14879 \*KICKHOFFEL, K. H. Die planung des imkerlichen betriebsjahres 1942. Imker aus Thüringen 49: 218-219. Feb. 1942. 424.8 D48
- 14880 \*KILCHERMAN, H. Die wärme im leben der bienen. Schweiz. Bienen Ztg. 66: 81-86; 136-142. Feb., Mar. 1943. 424.8 Sch9
- 14881 \*KLEMM, J. Wie ist früh geschleuderter honig zu behandeln? Bayer. Biene 64: 119. Aug. 1942. 424.8 B34
- 14882 \*KOHLER, FR. Zucht im fegling. Schweiz. Bienen Ztg. 66: 24-25. Jan. 1943. 424.8 Sch9
- 14883 \*KONRAD, GG. Ein wagnis. Bayer. Biene 64: 142. Sept. 1942. 424.8 B34  
Deals with requeening.
- 14884 \*KUNNERT. Königinnenzucht im weisel-richtigen volk. Imker aus Thüringen 49: 208. Jan. 1942. 424.8 D48
- 14885 \*KUNNERT, M. Zuchtbericht 1941 der Landesfachgruppe Imker Thüringen. Deut. Bienenzucht 50: 13-15. May 1942. 424.8 D48  
Bee breeding report of Thüringen Beeskeepers' Assoc.
- 14886 \*KUNNERT, M. Das zusetzen von begatteten königinnen. Deut. Bienenzucht 50: 25-28. June 1942. 424.8 D48
- 14887 LALONDE, T. P. A wasp in an observation hive. Beekeeping 9: 141-142. Nov. 1943. 424.8 B3991
- 14888 \*LANGWELL, HUGH. A gift from Santa Claus. Australasian Beekeeper 45: 102. Dec. 1943. 424.8 Au72  
Refers to the Ligurian bees established on Kangaroo Island.
- 14889 \*LEHMANN, A. Wabenhonig, sektions. Schweiz. Bienen Ztg. 66: 192-193. Apr. 1943. 424.8 Sch9
- 14890 LEWITT, F. J. More about wax. Bee Craft 26: 13. Feb. 1944. 424.8 B3925  
Kitchen utensils should not be used to render bees-wax.
- 14891 \*LINAN Y HEREDIA, N. J. DE. Si quieres miel y cera. Surco [Madrid, 2(11): 12-15; (12): 19-22. Jan.-Feb. 1943. 15 Su7  
Transportation of hives.
- 14892 \*LOTMAR, RUTH. Bestehen beziehungen zwischen der witterung und dem seuchenhaften auf-treten der frühjahrsschwindsucht (nosema-amöben-seuche)? Schweiz. Bienen Ztg. 66: 68-80. Feb. 1943. 424.8 Sch9
- 14893 \*LUDWIG, AUGUST. Ameisen auf dem bienen-stande. Bayer. Biene 64: 119-120. Aug. 1942. 424.8 B34
- 14894 \*LUDWIG, AUGUST. Die durchclenzung. Imker aus Thüringen 49: 219-220. Feb. 1942. 424.8 D48
- 14895 \*LUDWIG, AUGUST. Die innennische. Bayer. Biene 64: 141-142. Sept. 1942. 424.8 B34
- 14896 \*LUDWIG, AUGUST. Der kippklotz. Bayer. Biene 64: 148-149. Oct. 1942. 424.8 B34  
Describes a tilting block for comb foundation press.
- 14897 \*LUDWIG, AUGUST. Die stirnwandwabe in warmbaubeuten. Bayer. Biene 64: 120-121. Aug. 1942. 424.8 B34
- 14898 \*LUDWIG, AUGUST. Umschneiden auf anderes mass. Deut. Bienenzucht 50: 29-30. June 1942. 424.8 D48
- 14899 \*LUDWIG, AUGUST. Verwendung der bienen aus den einwabenkästchen. Bayer. Biene 64: 121-122. Aug. 1942. 424.8 B34
- 14900 \*LUDWIG, AUGUST. Wie scheiden die bienen aus ihren nährflüssigkeiten das überschüssige wasser aus? Bayer. Biene 64: 139-140. Sept. 1942. 424.8 B34
- 14901 \*LUDWIG, AUGUST. Wo sind die eier hin? Bayer. Biene 64: 164-165. Nov. 1942. 424.8 B34
- 14902 \*LUDWIG, AUGUST. Zweivolkbetrieb. Bayer. Biene 64: 101-102. July 1942. 424.8 B34
- 14903 \*LÜTHI, P. Mein deckbrett-königinnen-zusetzer. Schweiz. Bienen Ztg. 66: 28-29. Jan. 1943. 424.8 Sch9
- 14904 \*LYLE, N. I. Shallow frame comb honey pro-duction: reversing, and the preparation of supers. (Cont.) Amer. Bee Jour. 84: 84-85. Mar. 1944. 424.8 Am3
- 14905 \*MADIER, W. Bericht über die versicherung des V. D. S. B. gegen einbruch, diebstahl und böss-willige beschädigung pro 1942. Schweiz. Bienen Ztg. 66: 225-226. May 1943. 424.8 Sch9



- 14906 \*MADER, WALTER. Die versicherungen des Vereins Deutsch-Schweizerischer Bienenfreunde gegen haftpflcht und unfälle. Schweiz. Bienen Ztg. 66: 113-117. Mar. 1943. 424.8 Sch9
- 14907 \*MAIBACH, E. Bienenzuchtkurse während der kriegszeit. Schweiz. Bienen Ztg. 66: 17-20. Jan. 1943. 424.8 Sch9
- 14908 \*MAIBACH, E. In den April schicken? Schweiz. Bienen Ztg. 66: 175. Apr. 1943. 424.8 Sch9
- Unseasonable weather often makes "April fools" of both the bee and the beekeeper.
- 14909 \*MAIER, K. Im winter. Bayer. Biene 64: 162. Nov. 1942. 424.8 B34
- 14910 \*MAIER, KARL. Wir wollen einmal eine zuchtkarte lesen. Bayer. Biene 64: 150-152. Oct. 1942. 424.8 B34
- Sugar ration cards and the feeding of bees.
- 14911 MANLEY, R. O. B. Methyl salicylate for acarine disease. Scot. Beekeeper 20: 8-9. Jan. 1944. 424.8 Sco8
- 14912 \*MEIERHOFFER, EUGEN. Jahresbericht über die tätigkeit der sektionen des V. D. S. B. pro 1942. Schweiz. Bienen Ztg. 66: 267-272. June 1943. 424.8 Sch9
- 14913 \*MESSOLLEN, H. Ausbildung unserer inker-frauen und junginkerinnen. Deut. Bienenzucht 50: 30-31. June 1942. 424.8 D48
- 14914 \*MIGSCH, F. Ein ideales lösmittel. Bayer. Biene 64: 148. Oct. 1942. 424.8 B34
- 14915 \*MORGENTHALER, O. Eine honigsammlung für tuberkulöse wehrmänner. Schweiz. Bienen Ztg. 66: 5-6. Jan. 1943. 424.8 Sch9
- 14916 \*NEUNER. Die stille räuberei. Bayer. Biene 64: 117-118. Aug. 1942. 424.8 B34
- 14917 \*NEUNER, GEORG. Leistungssteigerung durch eine bessere biene. Bayer. Biene 64: 103. July 1942. 424.8 B34
- 14918 \*NEUNER, GEORG. Wie lassen sich die völker mit je 6 kg zucker durch den winter bringen? Bayer. Biene 64: 134-136. Sept. 1942. 424.8 B34
- 14919 \*NICOL, HANS. Wie ich das wasseraus-spritzen der bienen beobachtete. Bayer. Biene 64: 140. Sept. 1942. 424.8 B34
- 14920 OPHIEL, A. E. The island of forgotten bees. So. Austral. Dept. Agr. Jour. 47: 217-218. Dec. 1943. 23 So84
- Pure strain of Ligurian bees on Kangaroo Island.
- 14921 PETRIE, GERALD. The further story of 1 lb. of honey. Scot. Beekeeper 20: 21. Feb. 1944. 424.8 Sco8
- Further discussion of honey consumption by bees during the winter and temperatures.
- 14922 PETTIT, MORLEY. Queens - ordering producing, shipping. Gleanings Bee Cult. 72: 86. Mar. 1944. 424.8 G47
- 14923 PROGRAMA del curso elemental y superior de apicultura; historia de la vida de las abejas. Rev. de Agr. Costa Rica, 15: 527, 529-530. Dec. 1943. 8 Es1
- 14924 PURVES, A. Record of over-wintered nuc-leus. Scot. Beekeeper 20: 22. Feb. 1944. 424.8 Sco8
- 14925 RAHMAN, K. A., and SINGH, SARDAR. A sim-plified honey extractor. Indian Farming 6: 283-284. June 1943. 22 In283
- 14926 RAYMENT, TARTLTON. Buloke and sheoke. Australasian Beekeeper 45: 133-134, 136. Jan. 1944. 424.8 Au72
- Trees of the genus Casuarina [beefwood] that furnish pollen to bees.
- 14927 \*REHS, C. Zu spät! Bayer. Biene 64: 181-182. Dec. 1942. 424.8 B34
- Refers to importance of manipulating bee colonies at proper time.
- 14928 \*REISSMANN, ROLF. Schwarzer fleck im rot-en mohn. Bienen werden auf leistung gezüchtet. La tache noire du coquelicot. Rendement de l'abeille aug-mente par l'elevage. Joie et Travail. Freude und Arbeit 8(1): 28-29. 36-37. Jan. 1943. 280.8 J66
- Text in German and French.
- 14929 RICCOMINI, J. A. Acarine. Bee Craft 26: 12-13. Feb. 1944. 424.8 B3925
- 14930 RICCOMINI, J. A. Detection of fruit spray poison. Bee World 25: 5. Jan. 1944. 424.8 B399
- 14931 \*RINK, KURT. Alm-inkerei. Bayer. Biene 64: 109-110. July 1942. 424.8 B34
- 14932 RUGGLES, A. G. Minnesota Beekeepers' Asso-ciation. Minn. Hort. 72: 15. Jan. 1944. 81 M66
- 14933 \*SCHEFFOLD, J. Die biene und der krieg. Bayer. Biene 64: 161. Nov. 1942. 424.8 B34
- 14934 \*SCHILLER, JOS. Das ueberwintern der bienenvölker im lichte neuer forschungen. Bayer. Biene 64: 136-138. Sept. 1942. 424.8 B34
- 14935 \*SCHILLING, ALBERT. Durchlenzung der bienenvölker auf dem Thüringer walde. Imker aus Thüringen 49: 221-222. Feb. 1942. 424.8 D48
- 14936 \*SCHILLING, ALBERT. Zugefrorene flug-löcher. Deut. Bienenzucht 50: 31. June 1942. 424.8 D48
- 14937 \*SCHMIDT, PAUL. Die liebe zu den bienen. Imker aus Thüringen 49: 208-209. Jan. 1942. 424.8 D48
- 14938 \*SCHNEIDER, F. Neuere amerikanische arbeiten über bienenzucht. Schweiz. Bienen Ztg. 66: 131-135. Mar. 1943. 424.8 Sch9
- 14939 \*SCHÖNENBERGER, EDM. Neuer bau im rahmen der vermehrung. Schweiz. Bienen Ztg. 66: 229-230. May 1943. 424.8 Sch9
- 14940 \*SEBALD, LUDWIG. Erfahrungen einer wandergemeinschaft. Bayer. Biene 64: 123-124. Aug. 1942. 424.8 B34
- 14941 \*SEBALD, LUDWIG. Wir wanderimker haben im frühjahr stets gute völker! Bayer. Biene 64: 107. July 1942. 424.8 B34
- 14942 \*SEBALD, MAX. Ein berufsimker beantwortet eine anfrage. Bayer. Biene 64: 166-167. Nov. 1942. 424.8 B34
- 14943 \*SEIFERT, ADOLF. Ja, ich habe es schon erlebt. Bayer. Biene 64: 184-186. Dec. 1942. 424.8 B34
- Concerns swarm control.
- 14944 SINGLETON, ASHBERRY. Wintering bees in the cellar. West. Canada Beekeeper 7(2): 8-9. Feb. 1944. 424.8 W525
- 14945 SPILLER, JOHN. Cutting out queen cells. Beekeeping 9: 152-153. Dec. 1943. 424.8 B3991
- 14946 SWEETNAM, J. E. Reinforcing from nuclei. Bee Craft 26: 11. Feb. 1944. 424.8 B3925
- Describes method of utilizing a spare queen.
- 14947 \*TAUBALD, GG. Erfahrungen bei der heide-wanderung. Bayer. Biene 64: 108-109. July 1942. 424.8 B34
- 14948 TINSLEY, JOSEPH. Beekeeping in Scotland. Scot. Jour. Agr. 24: 231-234. Jan. 1944. 10 Sco82So
- 14949 \*TRIEBOLD, R. Kann die bettlacher mii-krankheit verhütet werden? Schweiz. Bienen Ztg. 66: 146-148. Mar. 1943. 424.8 Sch9
- 14950 TRUPELL, W. H. S. Beekeeping in Ireland. Beekeeping 9: 40-43. Mar. 1943. 424.8 B3991



- 14951 \*UHL, GG. Honig in der dachrinne. Bayer. Biene 64: 168-169. Nov. 1942. 424.8 B34  
Honey in rafters of a house.
- 14952 \*VOMSATTEL, M. Kurse und vorträge im V. D. S. B. Schweiz. Bienen Ztg. 66: 51-56. Feb. 1943. 424.8 Sch9
- 14953 \*VORBEUGUNG und bekämpfung der nosema. Deut. Bienenzucht 49: 232-234. Mar. 1942. 424.8 D48
- 14954 WAKEFIELD, J. F. Bees on the farm. Utah Farmer 63(13): 9. Feb. 24, 1944. 6 D45
- 14955 \*WALCHER, F. Bienenhaus unter lawine. Schweiz. Bienen Ztg. 66: 26-27. Jan. 1943. 424.8 Sch9  
Illustrated account of bee house buried under snow avalanche.
- 14956 \*WALDHAUSEN. Wie durchlenze ich? Imker aus Thüringen 49: 220. Feb. 1942. 424.8 D48
- 14957 WALSH, R. S. Harvesting [of honey] in preparation for extracting. New Zeal. Jour. Agr. 68(1): 61. Jan. 15, 1944. 23 N48J
- 14958 \*WEBER. Wie füttere ich soja im stock-innern? Bayer. Biene 64: 183-184. Dec. 1942. 424.8 B34
- 14959 WHITEHEAD, S. B. Autumn in the apiary. Field 183: 206. Feb. 19, 1944. 10 F45
- 14960 WHITEHEAD, S. B. The harvest of the hive. Field 183: 154. Feb. 5, 1944. 10 F45  
Harvesting of honey and beeswax.
- 14961 \*WIDMER-MOSLE, ULRICH. Meine anwendung der bienenstockheizung. Schweiz. Bienen Ztg. 66: 143-145. Mar. 1943. 424.8 Sch9
- 14962 \*WINKLER, A. Betrachtungen zum honigjahr 1942. Schweiz. Bienen Ztg. 66: 13-17. Jan. 1943. 424.8 Sch9
- 14963 WRIGHT, J. S. When experts differ. Brit. Bee Jour. 62: 7-8; 14-15; 20; 25-26. Jan. 13, 20, 27, Feb. 3, 1944. 424.8 B77  
Explains why experts can reasonably differ and yet succeed in their management of bees.
- 14964 WURZ, A. S., JR. Well arranged apiary advantageous. Gleanings Bee Cult. 72: 90. Mar. 1944. 424.8 G47
- 14965 EL ZANGANO en la colmena. Chacra 14(158): 30, 72. Dec. 1943. 9 C34  
See also Honey and Beeswax in Agricultural Products section.
- ARACHNIDA, MYRIAPODA, ETC.
- 14966 ANIGSTEIN, LUDWIK, and BADER, M. N. Preliminary report on investigations of Bullis fever. Tex. Rpts. on Biol. and Med. 1: 298. Fall 1943. 448.8 T31  
Amblyomma americanum believed to be vector.
- 14967 BAKER, G. E. Rocky Mountain spotted fever. Clin. Med. 51: 29-33. Feb. 1944. 448.8 Am36  
Discusses ticks as vectors.
- 14968 BALDOMIR, ADOLFO. Nota elevada al Ministerio de Ganadería y Agricultura dando cuenta de la acción desarrollada en la lucha contra la garrapata [Boophilus annulatus], en cumplimiento de la ley respectiva. Uruguay. Min. de Ganad. y Agr. Bol. Mens. 27: 297-299. July/Sept. 1943. 41.9 Ur8
- 14969 \*\*CLAUSEN, R. Essai de lutte contre l'acarien du fraisier [Tarsonemus pallidus]. Rev. Hort. Suisse 16: 23-31. 1943.  
Noted in 'Internatl' Inst. Agr. Internatl. Bul. Plant Protect. 17: 62M. Apr. 1943.
- 14970 COLLINGE, W. E. Notes on the terrestrial Isopoda (woodlice). No. VII. North West. Nat. 18: 138-148. Sept. 1943. 410 N81
- 14971 COOPER, J. F. Word and picture story of tick [Boophilus annulatus]; eradication in the South. South. Stockman 4(2): 32, 80-81. Feb. 1944. 49 So83
- 14972 COX, J. A. Summer sprays for the European red mite [Paratetranychus pilosus]. Va. Fruit 32(2): 14, 16-18. Feb. 1944. 81 V81B
- 14973 ELAM, C. W. Follicular mange. A therapeutic agent which warrants a trial. Vet. Jour. 100: 17. Jan. 1944. 41.8 V643  
Extract of garlic used against Demodex canis.
- 14974 ELLIS, C. H. The mechanism of extension in the legs of spiders. Biol. Bul. 86: 41-50. Feb. 1944. 442.8 B52
- 14975 \*ERMEL. Zur hausmilbenplage in einer mietswohnung. Prakt. Desinfektor 34: 123. Dec. 1942. 449.8 Z36P
- 14976 \*FITSKHELAUROV, V. Opyt lecheniia chesotki ovet's khlorkpikrinom [Experiment in treating sheep mange with chloropicrin]. Sovkhoznoe Proizvodstvo 3(9): 41-42. Sept. 1943. 20 So85
- 14977 GALLINAL HEBER, ALBERTO. Modificaciones a la ley de sarna ovina. Fed. Rural, Uruguay. Rev. 6 (25): 138-144. Oct. 1943. 9.9 R322
- 14978 HEY, G. L. Fruit tree red spider [Paratetranychus pilosus]; life history and control. Fruit Grower, Fruiterer, Florist & Market Gard. 97: 66, 70, 101-102. Jan. 27, Feb. 10, 1944. 80 F941
- 14979 ITCH in sheep due to infestation with a skin mite Psorergates ovis. So. Austral. Dept. Agr. Jour. 47: 122-124. 23 So84
- 14980 \*KORSHUNOVA, O. S., and PETROVA-PIONTKOV-SKAIA, S. P. Sokhraneniye virusa kleshchevogo synnogo tifa v kleshche Dermacentor nuttali [Preservation of the virus of the tick typhus exanthematicus in Dermacentor nuttali]. Mikrobiol. Epidemiol. i Immunbiol. Zhur. U. S. S. R. Narod. Komis. Zdravookhraneniia 1943, No. 10/11, p. 87. 448.3 Z4
- 14981 \*KORSEUNOVA, O. S. Sokhraneniye virusa kleshchevogo synnogo tifa v organizme belykh kryss [Preservation of the tick virus of typhus exanthematicus in white rats]. Mikrobiol. Epidemiol. i Immunbiol. Zhur. U. S. S. R. Narod. Komis. Zdravookhraneniia 1943, No. 10/11, p. 88. 448.3 Z4
- 14982 LANE, FREDERICO. Reparos à nomenclatura de alguns escolopendrídeos descritos pelo Dr. Wolfgang Bücherl. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 219-220. June 23, 1943. 410.9 Sa63
- 14983 LAVOPIERRE, M. M. J. Further studies on the Acari of South Africa. Natal Univ. Col. Sci. Soc. Jour. 2: 26-30. 1941. 515 N192
- 14984 \*LEVKOVICH, E. N. Eksperimental'nye obosnovaniia epidemiologicheskoi roli otdel'nykh vidov kleshchei pri vesenne-letnem kleshchevom encefalite [Basis of experiment on the epidemiological role of individual tick species in spring and summer encephalitis]. Mikrobiol. Epidemiol. i Immunbiol. Zhur. U. S. S. R. Narod. Komis. Zdravookhraneniia 1943, No. 10/11, p. 49-53. 448.3 Z4
- 14985 LICHEN, M. M. Relative growth in the garden centipede [Lithobius forficatus]. Growth 7: 323-329. Dec. 1943. 442.8 G91
- 14986 LIPMAN, B. L., BYRON, R. A., and CASEY, A. V. Clinical survey of scrub typhus fever. U. S. Army Med. Dept. Bul. No. 72, p. 63-70. Jan. 1944. 152.9 Ar52  
Mites (Trombicula spp.) are vectors only in hexapod larval stage.
- 14987 MACLAGAN, D. S. Harmful insects. XXIV. The sheep tick [Ixodes ricinus]. Scot. Farmer 52: 314. Jan. 29, 1944. 10 Sco8



- 14988 \*\*MELLO-LEITAO, C. DE. Araneologica varia brasiliense. Acad. Bras. de Cien. An. 15: 255-265. 1943.  
Noted in Cur. List Med. Lit. 6: 187. Feb. 4, 1944. 241.71 C93
- 14989 \*\*MELLO-LEITAO, C. DE. Novos solifugos do Chile e do Mexico. Acad. Bras. de Cien. An. 14: 305-313. 1942.  
New spp. in: Eremoperna 2; Ammotrechella; Ammotrechula.  
Abs. in Ciencia [México, D.F.] 4: 188. Dec. 15, 1943. 475 C48
- 14990 \*\*MELLO-LEITAO, C. DE. Oito novos Laniatores do Ecuador. Acad. Bras. de Cien. An. 14: 315-325. 1942.  
New spp. in: Erxlineia n. g.; Eucynortella; Eucynorta; Eucynortoides; Ceropachylus n. g.; Allelochirus n. g.; Nieblia; Bucayana n. g.  
Abs. in Ciencia [México, D.F.] 4: 188. Dec. 15, 1943. 475 C48
- 14991 MELVIN, ROY, SMITH, C. L., and GRAHAM, O. H. Some observations on chiggers [Eutrombicula alfreddugesi]. (Sci. note) Jour. Econ. Ent. 36: 940. Dec. 1943. 421 J822
- 14992 PEARSE, A. S. Chelonethida from the Duke Forest. (Abs.) Anat. Rec. 87: 464. Dec. 1943. 447.8 An1
- 14993 PIZA JUNIOR, S. DE T. Novos gonyleptidas brasileiros. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 39-59. May 28, 1943. 410.9 Sa63  
New spp. in: Gonyperna; Melloleitaniella; Styloleptes n. g.; Polybunus n. g.; Bocaina n. g.; Gonyleptilus; Discocyrtus; Cercopachylus; Discocyrtulusoma n. g.; Metarthodes.
- 14994 REESE, A. M. The anatomy of the poison glands in the black widow spider, Latrodectus mactans. (Abs.) Anat. Rec. 87: 468. Dec. 1943. 447.8 An1
- 14995 \*RODIONOV, Z. Kul'turnoe khranenie zernoluchshii sposob bor'by s kleshcham [Grain protection - best method of mite control]. Sovkhoznoe Proizvodstvo 3(9): 26-29. Sept. 1943. 20 So85
- 14996 \*SAVITSKAIA, E. P. K etiologii kleshchevogo synnogo tifa v Khabarouskom krae [About the etiology of tick typhus exanthematicus in the Khabarovsk region]. Mikrobiol. Epidemiol. i Immunbiol. Zhur. U. S. S. R. Narod. Komis. Zdravookhraneniia 1943, No. 10/11, p. 87. 448.3 Z4
- 14997 SCABINS, U. S. Army Med. Dept. Bul. No. 73, p. 8-9. Feb. 1944. 152.9 Ar52  
Sarcoptes scabiei.
- 14998 SCHUBART, OTTO. Diplopoda de Pirassununga II. Sobre um diplópodo termitófilo do planalto paulistano. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 61-71. June 2, 1943. 410.9 Sa63  
Vassununga termitophila n. g. and n. sp.  
Summary in German.
- 14999 SCHUBART, OTTO. Espécies novas das famílias Strongylosomidae e Leptodesmidae da ordem Proteospermophora do interior dos estados de São Paulo e de Mato-Grosso. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 127-163. June 12, 1943. 410.9 Sa63  
New spp. in: Habrodesmus 2; Pernambucoesoma; Catharasoma; Cyclorhabdoides n. g.; Manfredia n. g.; Arthrosoleaenomeris n. g. 2; Camptomorpha; Leptodesmus (Desmoleptus); L. (?) Brachyurodesmus).
- 15000 \*SERGENT, ETIENNE. Sérothérapie antiscorpionique (sixième note). Observations médicales reçues pendant l'année 1942. Inst. Pasteur d'Algérie. Arch. 21: 186-202. Sept. 1943. 448.3 In7A
- 15001 \*SINEV, A., and KRASIKOV, D. Khlorpikrin v terapii chesotki ovets [Chloropicrin in the therapy of sheep mange]. Sovkhoznoe Proizvodstvo 3(8): 47-48. Aug. 1943. 20 So85
- 15002 \*\*SMITHERS, R. H. N. The distribution of the knopiespinnekop (Latrodectus indistinctus). So. African Med. Jour. 17: 293. Sept. 1943.  
Noted in Cur. List Med. Lit. 6: 224. Feb. 11, 1944. 241.71 C93
- 15003 SOARES, B. M. Aracnídeos de Goiaz coligidos pelo Dr. Frederico Lane. I - Opiliões. II - Afan-toquílidas e tomíidas. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 205-218. June 23, 1943. 410.9 Sa63  
New spp.: Yraguara fleuryi; Strophius levyi; Misumenops curadoi.  
Abstract in English.
- 15004 SOARES, B. M. Notas sobre opiliões. I-II. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 193-197, 221-227. June 1943. 410.9 Sa63  
With abstracts in English.
- 15005 SOARES, B. M. Novos tomíidas brasileiros. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 1-17. May 26, 1943. 410.9 Sa63  
New spp. in: Synaema; Tmarus; Gephyrellula; Strophius.  
With English abstract.
- 15006 \*THEILER, GERTRUD. Notas sobre as carraças dos animais domésticos na África Oriental Portuguesa. Moçambique Doc. Trimest. 9(33): 51-120. Mar. 1943. 110 M71
- 15007 VERHOEFF, K. W. Über diplopoden aus der Türkei. III. Zool. Anz. 143: 216-242. Sept. 15, 1943. 410 Z7  
New spp. in: Peltogonopus n. g. 2; Strongylosoma 2; Rhamphidoiulus; Brachyiulus 2; Amblyiulus; Promeritoconus n. g.; Gomphiocephalus n. g.; Brölemannia. Two n. gen. in Brachyiulus (Ancistropus, Parancistrum).
- 15008 VIETS, KARL. Kleine mitteilung über hydra-carinen (Hydrachnellae et Poroalacaridae, Acari). Zool. Anz. 143: 242-246. Sept. 15, 1943. 410 Z7
- 15009 WATSON, J. R. Control of rust mites [Phyllocoptes; and red spiders. Citrus Indus. 24(7): 14. July 1943. 80 C49
- 15010 WILLOUGHBY, C. H. Florida cattle industry rejoices at victory over Boophilus annulatus. Fla. Grower 52(2): 9, 17. Feb. 1944. 80 F6622
- 15011 \*\*WOODROW, E. P. Treatment of scabies with an emulsion of rotenone. So. African Med. Jour. 17: 233. Aug. 14, 1943.  
Abs. in Bul. Hyg. [London] 19: 43. Jan. 1944. 448.8 B87

## COLEOPTERA

- 15012 BAILEY, J. H., and BRITTEN, HARRY. The Coleoptera of the Isle of Man. (Cont.) North West. Nat. 18: 186-193. Sept. 1943. 410 N81  
Based on the ms. notes of the late J. H. Bailey and revised and extended by H. Britten.
- 15013 BALFOUR-BROWNE, FRANK. Hygrotes (Coelambus) parallelogrammus Ahr. (Col., Dytiscidae) is not yet recorded from North Wales. Ent. Monthly Mag. 80: 19. Jan. 1944. 421 En86  
Specimen referred to by E. S. Brown in Trans. Soc. Brit. Ent. 8(6): 192, 1943, was identified by author as H. impressopunctatus, not as H. parallelogrammus.
- 15014 \*BECKER, G. Zur sinnesphysiologie des hausbockkäfers [Hylotrupes bajulus]. Naturwissenschaften 30: 253-256. Apr. 24, 1942. 474 N213



- 15015 \*BECKER, GUNTHER. Zur Ökologie und physiologie holzzerstörender Käfer. Ztschr. f. Angew. Ent. 30: 104-118. June 1943. Ref. p. 116-118. 421 Z36
- 15016 BLAIR, K. G. Two additions to the British staphylinid (Col.) fauna. Ent. Monthly Mag. 80: 20. Jan. 1944. 421 En86
- Autalia brevicornis* n. sp.; *Phyllodrepa* (*Hypopycna*) *rufula* Er.
- 15017 BRAND, TH. VON. The resistance of the trophozoites of mealworm [*Tenebrio*] gregarines to anaerobic conditions. *Biodynamica* 4: 183-165. 1943. 442.8 B5223
- 15018 BROWN, W. J. Some new and poorly known species of Coleoptera, II. *Canad. Ent.* 76: 4-10. Jan. 1944. 421 C16
- Blethisa catenaria* n. sp.; *Nanophyes canadensis* n. sp.
- 15019 \*\*CAIRASCHI, E.-A. État actuel de la lutte contre l'anthronome du poirier (*Anthonomus pomorum* L.). *Rev. Hort.* [Paris] 114: 75-76. 1942. Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 126M. Sept. 1942. 464.8 In8
- 15020 CAMERON, MALCOLM. On the British species of the genus *Tachyporus* Gr. (Col., Staphylinidae). *Ent. Monthly Mag.* 80: 16-17. Jan. 1944. 421 En86
- 15021 CANTERBURY AGRICULTURAL COLLEGE. Farm management for Canterbury areas liable to grass grub [*Odontia zealandica*]. Canterbury Chamber Com. Agr. Bul. 175, 4 p. Christchurch, 1944. 23 C162
- 15022 \*\*CHEVALIER, CH. Les taupins [*Agriotes* spp., etc.] et leurs dégâts. *Rev. Hort. Suisse* 15: 129-132. 1942. Noted in \*Internatl. Inst. Agr. Internatl. Bul. Plant Protect. 16: 146M. Oct. 1942. 464.9 In8
- 15023 CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. Campaña contra el bruco del frejol [*Acanthoscelides obtectus*], en el valle de Limache. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 181-183. July/Dec. 1942. 464.9 C432B
- 15024 CLISSOLD, E. J. Japanese beetle [*Popillia japonica*] control; miller disease spore dust now available to gardeners. *Gard. Chron. Amer.* 48: 93. Mar. 1944. 80 G1632
- 15025 DAY, F. H. Notes on Cumberland water beetles. *North West. Nat.* 18: 178-183. Sept. 1943. 410 N81
- 15026 \*DESTRUCTION des altises hibernantes. *Rev. Agr. de l'Afrique du Nord* 41: 42-43. Mar. 5, 1943. 80 R326
- 15027 DUNHAM, F. W., CLARK, J. C., and CALHOUN, S. L. Effect of the removal of squares on yield of upland cotton. *Jour. Econ. Ent.* 36: 896-900. Dec. 1943. 421 J822
- Squares large enough to attract *Anthonomus grandis* were removed at regular intervals.
- 15028 EDELSTEIN, H. M. Insects and spider mistaken for the Colorado beetle [*Leptinotarsa decemlineata*]. *Ent. Monthly Mag.* 79: 89. Apr. 1943. 421 En86
- 15029 EICHMANN, R. D. Commercial pea warehouse tests of fumigants used against the pea weevil [*Bruchus pisorum*], in the Palouse region. *Jour. Econ. Ent.* 36: 843-849. Dec. 1943. 421 J822
- 15030 FRENCH, G. T. Advance of the Japanese beetle [*Popillia japonica*]. *Va. Fruit* 32(1): 22-26. Jan. 1944. 81 V81B
- 15031 GRAY, I. E. Changes in weight and water content during the life cycle of the wood-eating beetle, *Passalus cornutus* Fabricius [i.e. *Popilius disjunctus* (Illig.)]. *Biol. Bul.* 86: 23-30. Feb. 1944. 442.8 B52
- 15032 GULL, A. W., and ADAMS, A. B. Does early harvesting of peas check pea weevil [*Bruchus pisorum*]? *West. Austral. Dept. Agr. Jour.* 20: 265. Sept. 1943. 23 W52J
- 15033 \*HOOS, W., and BUCHKA, E. Erfahrungen in der messingkäferbekämpfung. *Desinfekt. u. Schädlingsbekämpf.* 35: 85-86. Oct. 1943. 449.8 Z36P
- Niptus hololeucus*.
- 15034 JAHN, T. L., and WULFF, V. J. Spectral sensitivity of the compound eye of *Dytiscus*. (Abs.) *Anat. Rec.* 87: 452. Dec. 1943. 447.8 An1
- 15035 \*KAISER, W. Zur bekämpfung des apfelblütenstechers [*Anthonomus pomorum*]. *Kranke Pflanze* 20: 22-28. Mar./Apr. 1943. 464.8 K86
- 15036 LANE, FREDERICO. Um novo gênero e espécie [Zikanita perpulchra] de Acanthocininae (Col. Lamiidae). São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papeis Avulsos 3: 261-264. July 7, 1943. 410.9 Sa63
- 15037 LANE, FREDERICO. Uma nova espécie de Tetracha [T. horni] (Col. Cicindelidae). São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papeis Avulsos 3: 199-203. June 19, 1943. 410.9 Sa63
- 15038 LEECH, H. B. *Laccophilus shermani*, a new species of water beetle from Arizona and Texas (Coleoptera: Dytiscidae). *Ent. News* 55: 4-6. Jan. 1944. 421 En88
- 15039 LLOYD, R. W. Occurrences of *Syagrus intrudens* Waterh. (Col., Curculionidae) in Britain confirmed. *Ent. Monthly Mag.* 80: 4. Jan. 1944. 421 En86
- 15040 MICHELbacher, A. E., MACLEOD, G. F., and SMITH, R. F. Control of *Diabrotica* [*D. undecimpunctata*], or western spotted cucumber beetle, in deciduous fruit orchards. *Blue Anchor* 21(1): 10-11, 33. Feb. 1944. 286.83 B62
- 15041 MUNRO, J. A. The sweet clover weevil [*Sitona cylindricollis*]. *Farmer* 62(4): 19. Feb. 19, 1944. 6 F2211
- 15042 PARK, THOMAS, DAVIS, M. B., and HOROWITZ, SHIRLEY. "Ebony": a new mutation in the flour beetle *Tribolium confusum* Duval. (Abs.) *Anat. Rec.* 87: 463. Dec. 1943. 447.8 An1
- 15043 PARK, THOMAS, and DAVIS, M. B. Further analysis of fecundity in flour beetles, *Tribolium confusum* Duval and *Tribolium castaneum* Herbst. (Abs.) *Anat. Rec.* 87: 463. Dec. 1943. 447.8 An1
- 15044 PARK, THOMAS. Inter-species competition within populations of the genus *Tribolium*. (Abs.) *Anat. Rec.* 87: 462. Dec. 1943. 447.8 An1
- 15045 \*PAVLAKOS, J. G. Zur biologie und bekämpfung des orangeroten melonenkäfers *Aulacophora abdominalis* Gerst. (Col. Chrysomel.) in Griechenland. *Ztschr. f. Angew. Ent.* 30: 1-78. June 1943. Ref. 421 Z36
- 15046 \*RADKE, ANTON. Hemmung der verpuppung beim mehlkäfer *Tenebrio molitor* L. *Naturwissenschaften* 30: 451-452. July 17, 1942. 474 N213
- 15047 \*\*RAHMAN, K. A., SOHI, G. S., and SAPRA, A. N. Studies on stored grain pests in the Punjab. 2. Biology of *Bruchus analis* Fab. and B. [i.e. *Callosobruchus*] *chinensis* Linn. *Indian Jour. Agr. Sci.* 12: 851-864. 1942. Abs. in *Biol. Abs.* 17: 22627. Nov. 1943. 442.8 B526
- 15048 RAU, PHIL. A note on the rove-beetle, *Staphlinus* [i.e. *Staphylinus*] *maculosus* Grav. *Ent. News* 55: 15. Jan. 1944. 421 En88
- 15049 ROCKWOOD, L. P., and CHAMBERLIN, T. R. The western spotted cucumber beetle [*Diabrotica undecimpunctata*], as a pest of forage crops in the Pacific Northwest. *Jour. Econ. Ent.* 36: 837-842. Dec. 1943. 421 J822



15050 SCHAEFFENBERG, BRUNO. Zwei neue elateriden-larven der Ostalpen (*Paranomus costalis* Payk. and *Paranomus guttatus* Germ. Coleoptera Elateridae). Zool. Anz. 143: 246-246. Sept. 15, 1943. 410 Z7

15051 \*SCHMIDT, H. W. Die bekämpfung des rüben-aaskäfers [*Blitophaga undata*, B. opaca]. Kranke Pflanze 20: 34-35. Mar./Apr. 1943. 464.8 K86

15052 \*TORKA, M. Die widerstandsfähigkeit eines *Solanum chacoense*-klons gegenüber dem kartoffelkäfer (*Leptinotarsa decemlineata* Say). Züchter 15: 145-148. July/Sept. 1943. 442.8 Z8

15053 \*VIVET, E. Les ennemis [Bruchidae, de la lentille. Rev. Agr. de l'Afrique du Nord 41: 58-59. Apr. 2, 1943. 80 R326

15054 \*VIVET, E. La lutte contre le Capnodis [C. tenebrionis], insecte parasite des arbres à fruits a noyau. Rev. Agr. de l'Afrique du Nord 41: 10-11. Jan. 15, 1943. 80 R326

15055 \*VIVET, E. La lutte contre les vers blancs [Rhizotrogus spp.]. Rev. Agr. de l'Afrique du Nord 41: 32-33. Feb. 19, 1943. 80 R326

15056 WENZEL, R. L. On the classification of the histerid beetles. Field Mus. Nat. Hist., Chicago, Zool. Ser. 28: 51-151. Jan. 19, 1944. Ref., p. 149-151. 500 C4322

New spp. and forms in: *Acritomorphus* n. g.; *Hala-critus* 4; *Aeletes* 14; *Trypanaeus*; *Saprinus* 2; *Bacanius* 5; *Carcinops* 7; *Geocolus* n.g.; *Epierus* 3; *Phylloma*; *Hololepta* 2; *Margarinotus* 7; *Atholus*; *Phelisteroides* 4; *Yarnister*. New genus: *Reichardtia*.

15057 \*WINNING, ERIKA VON. Die organisation der kartoffelkäferbekämpfung [*Leptinotarsa decemlineata*]. Desinfekt. u. Schädlingsbekämpf. 35: 41-43. May 1943. 449.8 Z36P

#### DIPTERA

15058 ASHTON, D. F. Malaria control - a cooperative venture. N. C. Bd. Health. Health Bul. 58(10): 9-11. Oct. 1943. 449.7 N81B

Includes measures for mosquito control.

15059 BARNES, H. F. Studies of fluctuations in insect populations. X. Prolonged larval life and delayed subsequent emergence of the adult gall midge [*Contarinia tritici*, *Sitodiplosis mosellana*]. Jour. Anim. Ecol. 12: 137-138. Nov. 1943. 410 J826

15060 BLAIR, K. G. Further notes on the galls of *Lipara lucens* Mg. (Dipt., Chloropidae). Ent. Monthly Mag. 80: 6-7. Jan. 1944. 421 En86

15061 BUGHER, J. C. and others. Epidemiology of jungle yellow fever in eastern Colombia. Amer. Jour. Hyg. 39: 16-51. Jan. 1944. 449.8 Am3

J. Boshell-Manrique, M. Roca-García, E. Osorno-Mesa, joint authors.

Virus demonstrated in *Haemagogus capricornii* and *Aedes leucocelaenus*.

15062 CANTERBURY AGRICULTURAL COLLEGE. Flies [*Musca domestica*] and their control about buildings. New Zeal. Farmer 64(24): 15-16. Jan. 27, 1944. 23 N42B

15063 CAUSEY, O. R., DEANE, L. M., and DEANE, M. P. An illustrated key to the eggs of thirty species of Brazilian anophelines, with several new descriptions. Amer. Jour. Hyg. 39: 1-7. Jan. 1944. 449.8 Am3

15064 \*CHANG, K. Domestic flies [*Musca domestica*] as mechanical carriers of certain human intestinal parasites in Chengtu. West China Border Res. Soc. Jour. 14(ser. B): 92-98. 1943. 513 W52

15065 CHILE. MINISTERIO DE AGRICULTURA. DEPARTAMENTO DE SANIDAD VEGETAL. Campaña de erradicación de la mosca de la fruta en la ciudad de Arica y valles de Azapa, Codpa y Tinar. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 175-180. July/Dec. 1942. 464.9 C432B

15066 COLLIN, J. E. The British species of *Prosalpia* Pok. (Dipt., Anthomyidae). Ent. Monthly Mag. 79: 83-86. Apr. 1943. 421 En86

Includes *P. sitiens* n. sp.

15067 COLLIN, J. E. Confirmation of *Dolichopus plumitarsis* Flin. as a British species and an additional record of *D. agilis* Mg. (Dipt., Dolichopodidae). Ent. Monthly Mag. 80: 10-11. Jan. 1944. 421 En86

15068 COMBS, N. K. The medical department in island warfare. Hosp. Corps Quart. (Sup. to U. S. Nav. Med. Bul.) 17(1): 23-28. Jan. 1944. 153.45 Un3

Precautions against flies and mosquitoes in setting up camps; malaria discipline.

15069 CRAIG, WALLACE. The twilight ceremonies of horseflies [*Tabanus* spp.] and birds. Science 99: 125-126. Feb. 11, 1944. 470 Sci2

Not courting behavior in flies, but similar to twilight song of birds.

15070 GERTSON, E. T., JR. Descriptions of new genera and species of the dipterous family Ephydriidae. Paper XIII. Acad. Nat. Sci. Phila. Notulae Naturae No. 121. 4 p. Apr. 9, 1943. 500 P53N0

New spp. in: *Atissa*; *Hydrina*; *Nostima* 2; *Hydrellia*.

15071 DAVIES, R. A. Observations on the breeding of Anopheles (*Anopheles*) *claviger*, Meigen. Jour. Trop. Med. and Hyg. [London] 46: 71-76. Dec. 1943/Jan. 1944. 448.8 J827

Laboratory rearing and breeding.

15072 DEANE, L. M., DEANE, M. P., and CAUSEY, O. R. Descrição do ovo, larva e pupa de *Anopheles* (*Arthruomyia*) *gilesi* (Neiva, 1908). São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 167-191. June 18, 1943. 410.9 Sa63

15073 \*DE MEILLON, BOTHA, and PEREIRA, M. DE C. Estação anti-malária de Lourenço Marques. Notes on some anophelines (Dipt. Culicidae) from Portuguese East Africa. Moçambique Doc. Trimest. 6(23): 67-109. Sept. 30, 1940. 110 M71

Portuguese translation, p. 85-100.

New variety: *Anopheles marshalli* var. *mousinhoi*.

15074 \*DE MEILLON, BOTHA. Estação anti-malária de Lourenço Marques. Simuliidae e Ceratopogonidae (Dipt. Nematocera) da Colônia de Moçambique. (To be cont.) Moçambique Doc. Trimest. 8(32): 51-79. Dec. 31, 1942. 110 M71

New species: *Dasyhela moçambicana*; *Bezzia sambulena*; *B. soeiroi*; *Xenohela galatea*; *Sphaeromyias servilla*.

15075 DREISBACH, A. R. Health is a weapon for peace. Trained Nurse and Hosp. Rev. 112: 106-108. Feb. 1944. 448.8 T68

Includes discussion of malaria and mosquito research in Brazil.

15076 EICHMANN, R. D. Asparagus miner [*Agromyza simplex*] really not a pest. Jour. Econ. Ent. 36: 849-852. Dec. 1943. 421 J822

15077 \*FINCK, ERICH VON. Die allelenserie des gens ss ("spineless") bei *Drosophila melanogaster* [i. e. *ampelophila*]. Biol. Zentbl. 62: 379-339. July/Aug. 1942. 442.8 B523

15078 GASTROFILOSIS del caballo. Vida Agr. 20: 803-806. Nov. 1943. 9.8 V66

*Gasterophilus intestinalis*.

15079 GERSDORFF, W. A., and GERTLER, S. I. Pyrethrum synergists. Toxicity to houseflies of certain N-substituted piperonylamides and benzamides combined with pyrethrins in oil base insect sprays. Soap 20(2): 123, 125. Feb. 1944. 307.8 Sol2

15080 GUIMARÃES, L. R. Mais uma nova espécie sulamericana [*Basilia currani*, de Nycteribiidae (Diptera)]. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 257-260. July 1, 1943. 410.9 Sa63

Abstract in English.



- 15081 GURNEY, A. B. A mosquito survey of Camp Crowder, Missouri, during 1942. Jour. Econ. Ent. 36: 927-935. Dec. 1943. 421 J822
- 15082 HALBERSTAEDTER, L., GOLDHABER, G., and HECHT, O. The effect of X-rays on the development of insects: I. Irradiation in larval stage. Growth 7: 413-425. Dec. 1943. 442.8 G91
- Experiments on *Calliphora erythrocephala* and *Culex pipiens*.
- 15083 HARLEY, R. D. Ocular myiasis (ophthalmo-myiasis); report of a case. Amer. Jour. Ophth. 26: 742-743. July 1943. Army Med. Libr.
- Dermatobia hominis* larva in eyelid.
- 15084 HASKELL, G. M. L. The polygenes affecting the manifestation of scute in *Drosophila melanogaster* [i. e. *ampelophila*]. Jour. Genet. 45: 269-276. Dec. 1943. 442.8 J823
- 15085 \*HEINISCH, OTTOKAR. Luzernesamenbau und luzerneblütengallmücke [*Contarinia medicaginis*]. Mitt. f. die Landw. 58: 707-708. Aug. 28, 1943. 18 D48M
- 15086 KNOWLTON, G. F., and MADSEN, D. E. Control of cattle grubs [*Hypoderma* spp.]. Utah Farmer 63(12): 18. Feb. 10, 1944. 6 D45
- 15087 KUMM, H. W., and ZÚNIGA, HERNÁN. Seasonal variations in the numbers of *Anopheles albimanus* and *A. pseudopunctipennis* caught in stable traps in Central America. Amer. Jour. Hyg. 39: 8-15. Jan. 1944. 449.8 Am3
- 15088 LLOYD, LL. Materials for a study in animal competition. Part III. The seasonal rhythm of *Psychoda alternata* Say and an effect of interspecific competition. Ann. Appl. Biol. 30: 358-364. Dec. 1943. 442.8 An72
- 15089 MCGARRY, W. L. Breech and tail "strike" in sheep. Mules operation technique and other factors. West. Austral. Dept. Agr. Jour. 20: 184-190. Sept. 1943. 23 W52J
- Blowfly control.
- 15090 MCGOVAN, E. R., and FALES, J. H. Activated pyrethrum mosquito spray. Soap 20(2): 117, 119. Feb. 1944. 307.8 S612
- Tests made with *Aedes aegypti*.
- 15091 MCGOVAN, E. R., and PIQUETT, P. G. Toxicity of thiourea and phthalonitrile to housefly [*Musca domestica*] larvae. (Sci. note) Jour. Econ. Ent. 36: 936. Dec. 1943. 421 J822
- 15092 MCGREGOR, T., and EADS, R. B. Mosquitoes of Texas. (Sci. note) Jour. Econ. Ent. 36: 938-940. Dec. 1943. 421 J822
- 15093 \*MANNHEIMS, B. Stechfliegen als krankheitsüberträger. Desinfekt. u. Schädlingsbekämpfung. 35: 83-84. Oct. 1943. 449.8 Z36P
- Various tabanids and muscids.
- 15094 \*MAYER, K. Die gnitzen (Heleidae) und ihre bekämpfung. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 41-46. Mar. 1943. 449.8 Z36
- 15095 \*MENG, CH'ING-HUA. Notes on Diptera of medical importance in Chengtu. West China Border Res. Soc. Jour. 14(ser. B): 99-101. 1943. 513 W52
- 15096 \*\*PETERS, H. D. Let's control the flies. Jacksonville Health Digest 1: 4. July, 1943.
- Abs. in Pub. Health Engin. Abs. 24: 13. Jan. 1944. 151.65 En3
- 15097 PETHERBRIDGE, F. R. and WRIGHT, D. W. Further investigations on the biology and control of the carrot fly (*Psila rosae* F.). Ann. Appl. Biol. 30: 348-358. Dec. 1943. 442.8 An72
- 15098 PHILLIPS, EUGENE. My global war with mosquitoes. Sat. Evening Post 216(33): 91. Feb. 12, 1944. 110 S
- 15099 PLUMMER, C. C., MONK, J. W., and SHAW, J. G. Field studies on insecticides for the control of the Mexican fruitfly [*Anastrepha ludens*]. Jour. Econ. Ent. 36: 904-911. Dec. 1943. 421 J822
- 15100 \*REBELO, ANTÓNIO, and PEREIRA, M. DE C. Estação anti-malária de Lourenço Marques. Culicini (Diptera, Nematocera) da Colónia de Moçambique. (Cont.) Moçambique Doc. Trimest. 9(34): 81-90. June 30, 1943. 110 M71
- 15101 ROBERTS, F. H. S. Observations on *Anopheles annulipes* Walk. as a possible vector of malaria. I. The relative susceptibility of *An. annulipes* and *An. punctulatus* var. *moluccensis* Sw. to experimental infection with malaria parasites. Austral. Jour. Expt. Biol. and Med. Sci. 21: 259-262. Dec. 1943. 442.8 Au7
- 15102 \*\*RUSSELL, P. F., KNIPE, F. W., and RAO, T. R. A water emulsion of pyrethrum extract for spray-killing adult mosquitoes. Indian Med. Gaz. 77: 477-479. 1942.
- Abs. in Biol. Abs. 18: 3798. Feb. 1944. 442.8 B526
- 15103 SCHOPP, RALPH, EIDE, P. M., and DOUCETTE, C. F. Experiments for field control of the narcissus bulb fly [*Lampetia equestris*]. Jour. Econ. Ent. 36: 864-867. Dec. 1943. 421 J822
- 15104 \*\*SENIOR WHITE, RONALD. Effect of reduction of surface tension on mosquito [*Aedes aegypti*] pupae. Indian Med. Gaz. 78: 342. July 1943.
- Abs. in Trop. Dis. Bul. 41: 79. Jan. 1944. 448.8 T752
- 15105 SHEEP blowfly control; tail length and the modified Mules operation for the prevention of crutch strike in sheep. So. Austral. Dept. Agr. Jour. 47: 205-207. Dec. 1943. 23 S64
- 15106 SHOOTER, R. A., and WATERWORTH, P. M. A note on the transmissibility of haemolytic streptococcal infection by flies. Brit. Med. Jour. 1944, 1 (4337): 247-248. Feb. 19, 1944. 448.8 B77
- 15107 SINGEING warble-fly [*Hypoderma*] eggs. Indian Farming 6: 309. June 1943. 22 In283
- 15108 \*STACKELBERG, A. A. A new species of the genus *Carcellia* (Diptera, Larvivoridae) from the Ussuri Land. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 39: 163-164. 1943. 511 P444
- C. (*Megacarcellia*) *pavlovskiyi*, n. gen. and n. sp.
- 15109 STEWART, M. A. Summer brings fly dangers; prevention and treatment of screw worm [*Cochliomyia* spp.], blow fly [*Phaenicia sericata*] and wool maggot [*Phormia regina*] infestation in domestic animals. Pacific Stockman 9(6): 4, 14. June 1943. 286.85 W52
- 15110 STUARDO O., CARLOS. Un Calliphoridae [*Acridiophaga caridei*] (Diptera) que debe incorporarse a la fauna chilena. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 132. July/Dec. 1942. 464.9 C432B
- 15111 \*TALIEV, D. N. Bactericidal properties of fly larvae. Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 39: 155-157. 1943. 511 P444
- 15112 THIENEMANN, AUGUST. Chironomiden aus dem Lunzer seengebiet VIII. Zool. Anz. 142: 192-199. June 15, 1943. 410 Z7
- 15113 \*ULRICH, HANS. Über den einfluss verschiedener, den ernährungsgrad bestimmender kulturbedingungen auf entwicklungsgeschwindigkeit, wachstum und nachkommenzahl der lebendgebärenden larven von *Oligarces paradoxus* (Cecidom., Dipt.). Biol. Zentbl. 63: 119-142. Mar./Apr. 1943. 442.8 B523
- 15114 VILLES, C. A. Phenogenetic studies of the mutant bithorax-34E of *Drosophila melanogaster* [i. e. *ampelophila*]. (Abs.) Anat. Rec. 87: 475. Dec. 1943. 447.8 An1



15115 \*VOGT, MARGUERITE. Zur hormonalen bedeu-  
tung des Drosophila-gehirnes und seiner hormonal be-  
dingten imaginalen entwicklung. Naturwissenschaften  
30: 470-471. July 24, 1942. 474 N213

15116 \*VOGT, MARGUERITE. Zur kenntnis des lar-  
valen und pupalen corpus allatum von Calliphora.  
Biol. Zentbl. 63: 56-71. Jan./Feb. 1943. 442.8 B523

15117 WAINWRIGHT, C. J. Hammerschmidtia ferru-  
ginea Fall. (Dipt., Syrphidae) in Scotland. Ent.  
Monthly Mag. 80: 8-9. Jan. 1944. 421 En86

15118 WEATHERSBEE, A. A. Observations on the  
relative attractiveness of man and horse for Anopheles  
albimanus Wiedeman. Amer. Jour. Trop. Med. 24: 25-  
28. Jan. 1944. 448.8 Am33

#### HEMIPTERA (HETEROPTERA AND HOMOPTERA)

15119 AIRY SHAW, H. K. Some recent additions to  
the list of Gloucestershire Hemiptera-Heteroptera.  
Ent. Monthly Mag. 80: 18-19. Jan. 1944. 421 En86

15120 \*\*BÖRMER, C. Die anfälligkeit der unter-  
lagereben gegen die reblaus [Dactylosphaera vitifolii].  
Wein u. Rebe 24: 145-164. 1942.

Noted in \*Internatl. Inst. Agr. Internatl. Bul.  
Plant Protect. 17: 42M. Mar. 1943. 454.8 In8

15121 CALDWELL, J. S. Notes on the genus Both-  
riocera Burmeister (Homoptera: Cixiidae). Lloydia  
6: 318-325. Dec. 1943. 442.8 L77

Includes 10 n. spp.

15122 \*CHIAO, C. Y., and PENG, D. S. China wax  
or insect wax industry in Szechwan. II. Further stud-  
ies on wax insects [Ericerus pe-la]. West China Bor-  
der Res. Soc. Jour. 14(ser.B): 128-132. 1943.  
513 W52

Footnote states previous paper was published in  
China Jour. 32: 107-113. 1940.

15123 CHILDERS, N. F. Leafhoppers. Can they get  
the cream of the crop? Amer. Fruit Grower 64(2):  
10, 28-29. Feb. 1944. 80 G85

15124 CHILE. MINISTERIO DE AGRICULTURA. DEPARTA-  
MENTO DE SANIDAD VEGETAL. SECCIÓN CONTROL INTERNO.  
Actividades de la Sección Control Interno. Chile.  
Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg.  
2: 170-174. July/Dec. 1942. 464.9 C432B

Partial contents: Campaña contra la "Escama de San  
José [Aspidiotus perniciosus], en San Felipe y Li-  
mache.

15125 ELMORE, J. C., and CAMPBELL, R. E. Aphid  
increase and plant injury following the use of cal-  
cium arsenate on peppers. Jour. Econ. Ent. 36:  
853-856. Dec. 1943. 421 J822

15126 GARRIDO LEIZIER, OSCAR. La viña y sus  
agentes destructores. Corp. Frutícola Argentina.  
Rev. Ofic. 9(106): 31. Oct. 31, 1943. 83 C81

Includes Phylloxera chilensis.

15127 HILLS, O. A. Comparative ability of sev-  
eral species of Lygus and the Say stinkbug [Chloro-  
chroa sayi] to damage sugar beets grown for seed.  
Jour. Agr. Res. 67: 389-394. Nov. 15, 1943.  
1 Ag84J

15128 \*\*HUSAIN, M. A., and TREHAN, K. N. The  
nature and extent of damage caused by Bemisia gossy-  
piperda M. and L., the white-fly of cotton in the  
Punjab. Indian Jour. Agr. Sci. 12: 793-821. 1942.  
Abs. in Biol. Abs. 17: 22606. Nov. 1943.  
442.8 B526

15129 JENKINS, C. F. H. The apple leafhopper  
(Typhlocyba froggatti, Baker). West. Austral. Dept.  
Agr. Jour. 20: 190-195. Sept. 1943. 23 W52J

15130 KRETOVICH, V. L. Biochemistry of the dam-  
age to grain by the wheat-bug [Eurygaster, Aelia, Do-  
lycoris]. Cereal Chem. 21: 1-16. Jan. 1944. Ref.  
59.9 C33

15131 \*\*LARSÉN, O. Zur biologie von Rhacognathus  
punctatus L. K. Fysiografiska Sällsk. Lund. För-  
handl. (1941) 11: 175-188. 1942.

Abs. in Rev. Appl. Ent. A 31: 427. Oct. 1943.  
421 R325

15132 \*LENFANT, J. Un parasite dangereux: le  
pou de San José, menace d'envahir les vergers fran-  
çais. Prog. Agr. et Vitic. 119: 187-189. June 6,  
1943. 14 P94

15133 MARSHALL, J., and PICKETT, A. D. The pres-  
ent status of the apple mealybug, Phenacoccus aceris  
Sig. in British Columbia and Nova Scotia. Canad.  
Ent. 76: 19. Jan. 1944. 421 C16

15134 MARSICO, D. F. El pulgon verde de los ce-  
reales [Toxoptera graminum]. Buenos Aires, Argentina  
(City) Bolsa de Cereales. Rev. 31(1625): 31-32. Nov.  
20, 1943. 287 B866

15135 \*NIKOLAEV, P. I. Novyi vreditel' khlop-  
chatnika [New cotton pest]. Sel'so (Ser. Kolkhoz.  
Zeml.) v. 12, No. 217, 2 p. Oct. 1943. 20 S48

A scale insect not yet identified.

15136 POPHAM, E. J. Ecological studies of the  
commoner species of British Corixidae. Jour. Anim.  
Ecol. 12: 124-136. Nov. 1943. 410 J826

15137 RICHARDS, O. W. The habitat of species of  
Plolariola (Heteroptera-Reduviidae). (Abs.) Roy.  
Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 22.  
Oct. 1943. 420 L84Pc

15138 ROCKWOOD, L. P., and REEHER, M. M. Fore-  
casting outbreaks of the pea aphid [Macrosiphum pisi]  
on fall-sown annual legumes in the Pacific Northwest.  
Jour. Econ. Ent. 36: 832-837. Dec. 1943. 421 J822

15139 SMITH, F. F., and GOODHUE, L. D. Toxicity  
of nicotine aerosols to the green peach aphid [Myzus  
persicae], under greenhouse conditions. Jour. Econ.  
Ent. 36: 911-914. Dec. 1943. 421 J822

15140 \*STEINIGER, FRITZ. Ueber den kriegsein-  
satz von rohschwefel in der wanzenbekämpfung. Prakt.  
Desinfektor 34: 120-121. Dec. 1942. 449.8 Z36P

Cimex lectularius.

15141 \*VIVET, E. La lutte contre les cochenilles  
des agrumes. Rev. Agr. de l'Afrique du Nord 41: 16-  
17. Jan. 22, 1943. 80 R326

15142 \*VIVET, E. Le puceron des feves [Aphis  
rumicis]. Rev. Agr. de l'Afrique du Nord 41: 50.  
Mar. 19, 1943. 80 R326

15143 YUST, H. R., BUSBEY, R. L., and NELSON, H. D.  
Influence of decreasing, constant, and increasing con-  
centrations on results of fumigation of the California  
red scale [Aonidiella aurantii] with HCN. Jour.  
Econ. Ent. 36: 875-878. Dec. 1943. 421 J822

15144 YUST, H. R., NELSON, H. D., and BUSBEY, R. L.  
The influence of repeated fumigation with HCN on the  
susceptibility of the California red scale [Aonidiella  
aurantii]. Jour. Econ. Ent. 36: 872-874. Dec. 1943.  
421 J822

15145 YUST, H. R. Productivity of the California  
red scale [Aonidiella aurantii] on lemon fruits.  
Jour. Econ. Ent. 36: 868-872. Dec. 1943. 421 J822

#### HYMENOPTERA

15146 \*\*BAY, ELIO. La Lyda stellata nelle pine-  
te dell'Aquilano. Riv. Forest. Ital. 4: 45-51. 1942

Noted in \*Internatl. Inst. Agr. Internatl. Bul.  
Plant Protect. 16: 125M. Sept. 1942. 464.8 In8

15147 BENLLOCH, D. M. La lucha contra los  
hormigas. Surco [Madrid], 11(19): 13-16. Sept. 1943,  
15 Su7

15148 BIBBY, F. F., and SECREST, J. P. Sodium  
fluoride as an ant control. Pests 12(2): 9. Feb.  
1944. 449.8 Ex8



- 15149 BUTLER, C. G. *Formica rufa* L. attacking colonies of honeybees [*Apis mellifera*]. Ent. Monthly Mag. 79: 90. Apr. 1943. 421 En86
- 15150 CHAMBERS, V. H. Nidification of *Odynerus laevipes* Shuck. (Hym., Vespidae). Ent. Monthly Mag. 80: 11. Jan. 1944. 421 En86
- 15151 DAY, F. H. Cumberland aculeate Hymenoptera North West. Nat. 18: 211. Sept. 1943. 410 N81
- 15152 \*DESTRUCTION des fourmis. Rev. Agr. de l'Afrique du Nord 41: 26-27. Feb. 5, 1943. 80 R326
- 15153 DONISTHORPE, HORACE. *Ireneidris myops* gen. et sp. n. (Hym., Formicidae) from Waigau Island, Dutch New Guinea. Ent. Monthly Mag. 79: 81-82. Apr. 1943. 421 En86
- 15154 FLANDERS, S. E. Indirect hyperparasitism and observations on three species of indirect hyperparasites [*Eusemion californicum*, *Quaylea whittieri*, *Myiocnema comperei*]. Jour. Econ. Ent. 36: 921-926. Dec. 1943. 421 J822
- 15155 FROST, S. W. Notes on the habits of *Monobia quadridens* (Linn.). Ent. News 55: 10-14. Jan. 1944. 421 En88
- 15156 \*HARDER, ARNOLD. Etwas über hornissen und den bau eines interessanten hornissennestes. Schweiz. Bienen Ztg. 66: 203-205. Apr. 1943. 424.8 Sch9
- 15157 HARTMAN, C. G. A note on the habits of *Trypoxylon politum* Say (Hymenoptera: Sphecidae). Ent. News 55: 7-8. Jan. 1944. 421 En88
- 15158 JENKINS, C. F. H. Ants [*Monomorium bicorne*] causing death in poultry. West. Austral. Dept. Agr. Jour. 20: 264. Sept. 1943. 23 W52J
- Fowls poisoned by formic acid of ingested ants.
- 15159 JOHNSTON, H. R. Control of the Texas leaf-cutting ant [*Atta texana*] with methyl bromide. Jour. Forestry 42: 130-132. Feb. 1944. 99.8 F768
- 15160 PATE, V. S. L. The subgenera of *Crossocerus* with a review of the nearctic species of the subgenus *Blepharipus* (Hymenoptera: Sphecidae: Pemphiliini). Lloydia 6: 267-317. Dec. 1943. 442.8 L77
- Four new subgenera; 8 n. spp.
- 15161 PICKLES, W. Variations in the ground plan of a nest of the ant, *Tapinoma nigerrima*. Jour. Anim. Ecol. 12: 109-114. Nov. 1943. 410 J826
- 15162 \*POPOV, V. V. *Andrena* (*Andrenella*) *nanaeformis* Nosk. as an element of the wood and steppe fauna (Hymenoptera, Apoidea). Acad. des Sci. U. R. S. S. Compt. Rend. (Dok.) 39: 68-69. 1943. 511 P444
- 15163 RAV, PHIL. The prey and hunting habits of the wasp, *Trypoxylon politum* Say. Ent. News 55: 9-10. Jan. 1944. 421 En88
- 15164 RICHARDS, O. W. Some observations on the distribution of bees and wasps in Great Britain. (Abs.) Roy. Ent. Soc., London. Proc. Sec. C: Jour. Mtgs. 8: 22. Oct. 1943. 420 L84Pc
- 15165 SPOONER, G. M. The Hymenoptera Aculeata in the Dale collection. II. Notes on the Bethyridae, Chrysidae, Vespidae and Sphecidae (part). (Concl.) Ent. Monthly Mag. 79: 73-77. Apr. 1943. 421 En86
- 15166 \*SZELÉNYI, G. VON. Über die chalcididen-gattung *Pachyneuron* Walk. (Hymen.). Centbl. f. das Gesam. Forstw. 68: 93-105. Apr. 1942. 99.8 C33
- 15167 WEBER, N. A. The tree ants (*Dendromyrmex*) of South and Central America. Ecology 25: 117-120. Jan. 1944. 410 Ec7
- 15168 WHITING, P. W. Androgenesis in the parasitic wasp *Habrobracon* [i.e. *Microbracon*]. Jour. Hered. 34: 355-366. Dec. 1943. 442.8 Am3
- See also Apiculture and *Apis mellifera*.

## ISOPTERA

- 15169 EMERSON, A. E., and MILLER, E. M. A key to the termites of Florida. Fla. Acad. Sci. Proc. 6: 108-109. Dec. 1943. 500 F66
- 15170 MILLER, E. M., and MILLER, D. B. A preliminary study on the distribution and habits of south Florida termites. Fla. Acad. Sci. Proc. 6: 101-107. Dec. 1943. 500 F66

## LEPIDOPTERA

- 15171 \*\*AHLBERG, O. Jordflyhärjningen i Väster-vikstrakten. [The cutworm outbreak in the Västervik District.] Sweden. Statens Värtskyddsanst. Värtskyddsnotiser 1943, No. 5, p. 11-12.
- Cutworms not identified, but thought to be *Euxoa nigricans* and *E. tritici*.
- Abs. in Rev. Appl. Ent. A 32: 18-19. Jan. 1944. 421 R325
- 15172 ALLEN, H. W., and BRUNSON, M. H. The effect of proximity to apple on the extent of oriental fruit moth [*Grapholitha molesta*] injury in peach orchards. Jour. Econ. Ent. 36: 879-882. Dec. 1943. 421 J822
- 15173 ALMEIDA, R. F. D'. Algumas observações sobre o Actinote morio Oberthuer, 1917 (Lep. Heliconiidae, Acraeinae). São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 107-109. June 10, 1943. 410.9 Sa63
- 15174 ALMEIDA, R. F. D'. Alguns tipos de generos da ordem Lepidoptera. 2.<sup>a</sup> nota: Rhopalocera, fam. Pierididae [i. e. Pieridae]. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 73-106. June 4, 1943. 410.9 Sa63
- 15175 ALMEIDA, R. F. D'. Dois novos Mechanitididae do Brasil (Lep. Mechanitididae). São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 165-166. June 14, 1943. 410.9 Sa63
- Melinaea clara juruaensis* n. sp.; *Hypoleria parci-limbata* n. sp.
- 15176 ALMEIDA, R. F. D'. Sobre a nomenclatura de alguns grupos superiores da ordem Lepidoptera. 1.<sup>a</sup> nota: Superfamílias Castniioidea, Hepialoidea, Saturni-idea e Stygioidea. São Paulo. Sec. de Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 237-255. July 1, 1943. 410.9 Sa63
- 15177 BARBER, G. W. Husk development of sweet corn as affected by moisture supply, an important factor in corn earworm [*Heliothis armigera*] control. Jour. Agr. Res. 68: 73-77. Jan. 15, 1944. 1 Ag84J
- 15178 BIRD, J. F. Apparent sex disparity in Lepidoptera. Entomologist 76: 260-261. Dec. 1943. 421 En8
- 15179 BLAIR, K. G. *Argynnis aglaja* L. v. *Mesoacidalia charlotta charlotta* Haw. (Lep., Nymphalidae). Ent. Monthly Mag. 79: 78-81. Apr. 1943. 421 En86
- 15180 BLAUVELT, W. E. Leaf tyer [*Phlyctaenia rubigalis*] control with tartar emetic. Canad. Florist 39: 44. Feb. 5, 1944. 80 C163
- 15181 COCKAYNE, E. A. Species of Macrolepidoptera limited by special plant-species. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 29-30. Nov. 1943. 420 L84Pc
- 15182 COLLINS, D. L., and MACHADO, WILLIAM. Reactions of the codling moth [*Carpocapsa pomonella*] to artificial light and the use of light traps in its control. Jour. Econ. Ent. 36: 885-893. Dec. 1943. 421 J822
- 15183 CORBET, A. S. Observations on species of Lepidoptera infesting stored products. XII. *Tinaea* [i. e. *Tinea*] *secalella* Zacher ("the rye moth"), a synonym of *Tinaea infimella* Herrich-Schäffer (*Tinaei-dae*). Entomologist 76: 252-253. Dec. 1943. 421 En8



- 15184 COX, J. A. Codling moth [*Carpocapsa pomonella*], situation in 1943 in the vicinity of Roanoke. Va. Fruit 32(1): 53-57. Jan. 1944. 81 V81B
- 15185 DAVIDSON, R. H. The relative effectiveness of some corn earworm [*Heliothis armigera*] control measures in sweet corn. (Sci. note) Jour. Econ. Ent. 36: 938. Dec. 1943. 421 J822
- 15186 D'INGIANNI, VINCENTE. Urticaria produced by poisonous caterpillars. New Orleans Med. and Surg. Jour. 96: 356-359. Feb. 1944. 448.9 N47
- 15187 DUGAS, A. L., and INGRAM, J. W. A summary of insecticide tests on the sugarcane borer [*Diatraea saccharalis*], in 1941. Sugar Bul. 22: 73-77. Feb. 15, 1944. 65.9 Am32
- 15188 EDELSTEIN, H. M. Acrolepia assectella Zeller (Lep. Plutellidae): a new pest of leeks in England. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 9: 2. Feb. 2, 1944. 420 L84Pc
- 15189 EDELSTEIN, H. M., and FRYER, J. C. F. Non-specific assembling scents in Macro-Lepidoptera. Ent. Rec. and Jour. Variation 56: 7-8. Jan. 1944. 421 En89
- 15190 FLETCHER, T. B. Longevity of *Epipsilia* (*Rhyacia*) *simulans*. Ent. Rec. and Jour. Variation 56: 9-10. Jan. 1944. 421 En89
- 15191 FORD, E. B. The chemistry of pigments in the Papilionidae, and its bearing upon classification. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 26. Nov. 1943. 420 L84Pc
- 15192 FOTIDAR, M. R., and RAINA, J. L. Surface cutworms [*Agrotis*] in Kashmir. Indian Farming 6: 349-350. July 1943. 22 In283
- 15193 \*GIZHITSKII, I. A. K. Ozimaiâ sovka v Chuiskoi doline [The autumn phalaenid in the Chuisk Valley]. Kirghiz Repub. Selekt. Stants. Trudy 2: 61-73. 1941. 20 K63
- Agrotis segetum*?
- 15194 HARTZELL, F. Z. Watch the bud moth [*Spilona ocellana*], for possible new outbreaks. Niagara Co. Farm and Home Bur. News 30(11): 8. Feb. 1944. 275.293 N. Y., Niagara Co.
- 15195 HIGGS, L., and DANIELS, E. T. Southward migration of *Vanessa cardui* in Algeria. Entomologist 76: 256-257. Dec. 1943. 421 En8
- 15196 HINTON, H. E. *Tinaea* [i. e. *Tinea*], *fusci-punctella* Haw. as a wood-boring insect. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 26. Nov. 1943. 420 L84Pc
- 15197 HOUGH, W. S. Controlling severe codling moth [*Carpocapsa pomonella*], infestations. Va. Fruit 32(1): 57-62. Jan. 1944. 81 V81B
- 15198 HOVANITZ, WILLIAM. The ecological significance of the color phases of *Colias chrysotheme* in North America. Ecology 25: 45-60. Jan. 1944. 410 Ec7
- 15199 HUDSON, G. V. *Vanessa cardui* L. var. *ker-shawii* Butl. (Lep., Nymphalidae) in New Zealand. Ent. Monthly Mag. 79: 88. Apr. 1943. 421 En86
- 15200 JARY, S. G., and EDELSTEIN, H. M. *Acrolepia assectella* Zell. (Lep., Plutellidae) in England. Ent. Monthly Mag. 80: 14-15. Jan. 1944. 421 En86
- 15201 \*KINDER, E., and SÜFFERT, F. Über den feinbau schillernder schmetterlingsschuppen vom Morpho-typ. Biol. Zentbl. 63: 268-288. May/June 1943. 442.8 B523
- Scales of *Morpho aega*, *M. achilles*, *Chlorippe seraphina*, *Apatura iris*.
- 15202 \*\*KJELLANDER, E. Grönsaksflyet angriper växthustomater. [Polia oleracea attacks greenhouse tomatoes.] Sweden. Statens Växtskyddsanst. Växtskydds-notiser 1943, No. 5, p. 15-16.
- Abs. in Rev. Appl. Ent. A 32: 19. Jan. 1944. 421 R325
- 15203 \*KÜHN, ALFRED, and BECKER, ERICH. Quantitative beziehungen zwischen zugeführtem kynurenin und augenpigment bei *Ephestia kühniella* Z. Biol. Zentbl. 62: 304-317. July/Aug. 1942. 442.8 B523
- 15204 \*KÜHN, ALFRED, and ENGELHARDT, MELITTA VON. Über zwei melanistische mutationen (At und ni) von *Ptychopoda seriata* Schrk. Biol. Zentbl. 63: 251-267. May/June 1943. 442.8 B523
- 15205 MARSHALL, G. E. Advances in codling moth [*Carpocapsa pomonella*], control. Amer. Fruit Grower 64(2): 12, 24, 35. Feb. 1944. 80 G85
- 15206 MUGGERIDGE, J. The white butterfly (*Pieris rapae* L.). II-III. New Zeal. Jour. Sci. Technol. A 25: 1-30. June 1943. 514 N48
- Contents: II. Parasites of the butterfly. III. Introduction of parasites, method, and technique.
- 15207 PATTON, R. L. The excretion of arsenic by the malpighian tubes of *Galleria mellonella*, *Tenebrio molitor*, and *Rhodophora florida*. Jour. Agr. Res. 67: 411-415. Nov. 15, 1943. 1 Ag84J
- 15208 QUESTEL, D. D., and IRONS, FRANK. Insecticidal treatment of market sweet corn with high-clearance boom equipment for control of the European corn borer [*Pyrausta nubilalis*]. Jour. Econ. Ent. 36: 893-896. Dec. 1943. 421 J822
- 15209 RUSSELL, S. G. C. The Whitehouse sale of British Lepidoptera. Ent. Rec. and Jour. Variation 56: 1-3, 17-18. Jan., Feb. 1944. 421 En89
- 15210 SCHWEIZER, F., and WEBSTER KAY, R. G. Lepidopteros del Uruguay. II. Catálogo sistemático. Parte I. Rhopalocera & Grypocera. Montevideo. Mus. de Hist. Nat. An. (Ser. 2) v. 5, No. 3, 24 p. 1941. 516 M76
- 15211 \*STELLWAAG, F. Die eientwicklung der traubenwickler *Polychrosis botrana* Schiff. und *Glysia ambiguella* Hüb. unter freilandbedingungen. Anz. f. Schädlingsk. 19: 41-47. 1943. 421 An9
- 15212 \*SYLVÉN, EDVARD. Die biologie des buchen-spinners *Dasychira pudibunda* L. Ztschr. f. Angew. Ent. 30: 119-142. June 1943. 421 Z36
- 15213 TEALE, E. W. Sleeping beauties of the winter woods. Nature Mag. 37: 141-144. Mar. 1944. 409.6 N214
- Photographs of *Tropaea luna*, *Samia cecropia*, *Callosamia promethea*, *Telega polyphemus*, and their cocoons.
- 15214 TINDALL, CORDELL. 5 things fruit growers need. Mo. Ruralist 85(3): 6, 14. Feb. 12, 1944. 6 R8891
- Includes discussion of control of *Carpocapsa pomonella* and *Grapholitha molesta*.
- 15215 TINKHAM, E. R. Faunistic notes on the diurnal Lepidoptera of the Big Bend region of Trans-Pecos, Texas, with the description of a new *Melitaea* [*M. chinatiensis*]. Canad. Ent. 76: 11-18. Jan. 1944. 421 C16
- 15216 \*LE VER épineux du cotonier [*Earias insulana*]. Rev. Agr. de l'Afrique du Nord 41: 125-126. July 23, 1943. 80 R326
- 15217 \*VIVET, E. La pyrale du maïs [*Pyrausta nubilalis*]. Rev. Agr. de l'Afrique du Nord 41: 85. May 21, 1943. 80 R326
- 15218 WILLIAMSON, A. L. Two foreign bean pod borers [*Epinotia opposita*, *Maruca testulalis*] discovered in Texas. (Sci. note) Jour. Econ. Ent. 36: 936-937. Dec. 1943. 421 J822
- 15219 WOODSIDE, A. M. This is the time to start worm [*Carpocapsa pomonella*], control. Va. Fruit 32(2): 12, 14. Feb. 1944. 81 V81B
- 15220 YOTHERS, M. A., CAPLSON, F. W., and CASSIL, C. C. Tests of 4,6-dinitro-o-cresol emulsion against overwintering codling moth [*Carpocapsa pomonella*], larvae. Jour. Econ. Ent. 36: 882-884. Dec. 1943. 421 J822



15221 \*ZEHMEN, H. VON. Ein beitrage zur frage der anlockstoffe weiblicher faltersehädlinge. Centbl. f. das Gesam. Forstw. 68: 57-64. Mar. 1942. 99.8 C33  
See also Sericulture and the Silkworm.

## ORTHOPTERA

15222 \*AUTRUM, HANSJOCHEM. Über kleinste reize bei sinnesorganen. Biol. Zentbl. 63: 209-236. May/June 1943. Ref. 442.3 B523

Includes experiments on *Locusta cantans* and *Periplaneta americana*.

15223 BURR, MALCOLM. Grasshopper gossip. I. The genus *Platycleis*-Metrioptera. Ent. Rec. and Jour. Variation 56: 3-5. Jan. 1944. 421 En89

15224 COLEMAN, EDITH. A new (?) Victorian cricket. Victorian Nat. 60: 144. Jan. 1944. 410 V66

Resembles a species of *Pachychamma*.

15225 FERNANDO, WILFRED. The anatomy and histology of the alimentary canal of *Tridactylus variegatus* Latr. Spolia Zeylanica (Ceylon Jour. Sci., Sect. B) 23: 71-78. Sept. 15, 1943. 410.9 Sp6

15226 HASTINGS, ELLSWORTH, and PEPPER, J. H. Studies on body fluids of seven orthopterans, their pH, buffering capacity, and effect on solubility of fractionated insecticides. Jour. Econ. Ent. 36: 857-864. Dec. 1943. 421 J822

*Melanoplus mexicanus*, *M. bivittatus*, *M. differentialis*, *M. packardii*, *Dissosteira carolina*, *Brachystola magna*, *Anabrus simplex*.

15227 LIEBERMANN, JOSE. Lista definitiva de los acridoideos de Chile. Chile. Min. de Agr. Depto. de Sanid. Veg. Bol. de Sanid. Veg. 2: 133-139. July/Dec. 1942. 464.9 C432B

15228 NOLAND, J. L. A new method for lethal temperature determinations; studies on *Periplaneta americana*. (Abs.) Anat. Rec. 87: 460. Dec. 1943. 447.8 An1

15229 REHN, J. A. G. The Aucas, a new group of South American locusts (Orthoptera, Acrididae, Cyrtacanthacridinae). Acad. Nat. Sci. Phila. Proc. 95: 33-51. 1943. 500 P53

*Aucaeris bullocki* n. sp.; *Neuquenina fictor* n. g. and n. sp.

15230 REHN, J. A. G. The bird-locusts of the African genus *Ornithacris* (Orthoptera; Acrididae; Cyrtacanthacridinae). Acad. Nat. Sci. Phila. Proc. 95: 111-137. 1943. 500 P53

*O. cyanea imperialis* and *O. pictula cruenta*, n. sspp

15231 REHN, J. A. G. A new genus [Spelaeala] and two new species [S. bondi, S. scobina] of Hispaniolan Pseudophyllinae (Orthoptera; Tettigonidae). Acad. Nat. Sci. Phila. Notulae Naturae No. 125, 14 p. Aug. 6, 1943. 500 P53No

15232 SCHARRE, BERTA. The influence of the corpora allata on egg development in an orthopteran (*Leucophaea maderae*). (Abs.) Anat. Rec. 87: 471. Dec. 1943. 447.8 An1

15233 \*VIVET, E. La lutte contre les courti-liers. Rev. Agr. de l'Afrique du Nord 41: 2. Jan. 1, 1943. 80 R326

15234 WARD, I. J. Unpredictable grasshoppers [Melanoplus mexicanus mexicanus], afflicted British Columbia in phenomenal outbreak in 1943. Country Life [Brit. Columbia] 28(2): 3, 30. Feb. 1944. 7 C832

## SERICULTURE AND THE SILKWORM

15235 GUSANO de seda [Bombyx mori.] Crianza y explotación del gusano de seda en la República Argentina. (Cont.) Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(11): 20-24. Nov. 1943. 286.8 M575

Consular report.

15236 \*REBOUILLON, ALBERT. Contribution à l'étude expérimentale du croisement industriel en sericulture. Prog. Agr. et Vitic. 120: 48-54, 71-78, 88-93, 102-106. Aug. 8/15-Sept. 12/19, 1943. 14 P94

15237 ROSSINI, MARIO. Sericicultura. Buenos Aires, Argentina (City) Bolsa de Cereales. Rev. 31 (1630): 8-10. Dec. 27, 1943. 287 B866

## SMALLER ORDERS

15238 \*ALPATOV, V. V. Bor'ba s platfanyimi vshami pri pomoshchi morozha [Control of the clothes louse by means of frost]. Priroda. Akad. Nauk. 32(3): 72-73. 1943. 410 P933

15239 BLACKSTOCK, ERIC. Treatment of pediculosis capitis [Pediculus humanus humanus]. Brit. Med. Jour. 1944, 1(4333): 114-115. Jan. 22, 1944. 448.8 B77

Materials used: benzyl benzoate, triethanolamine, ascabiol (new formula), lethane oil.

15240 BROCKBANK, WILLIAM, and WHITTAKER, S. R. F. Notes on typhus fever in the Middle East. Lancet [London] 246: 150-151. Jan. 29, 1944. 448.8 L22

Discusses ten sporadic cases of louse-borne typhus.

15241 BROWN, J. H. Sylvatic plague: the recovery of fleas [Oropsylla idahoensis, Reckia frontia fraterna] from the burrowing owl and its burrow in a plague area in Alberta. Ent. News 55: 15-18. Jan. 1944. 421 En88

15242 BUSVINE, J. R. Simple experiments on the behavior of body lice [Pediculus humanus corporis]. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 34. Dec. 1943. 420 L84Pc

15243 EDELSTEIN, H. M. Megathrips bonannii Uzel (Thysanoptera Tubulifera): a species new to Britain. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 9: 1-2. Feb. 2, 1944. 420 L84Pc

15244 \*EHRlich, HANS. Die biologie der kleiderlaus [Pediculus humanus corporis] in zahlen. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 89-93. June 1943. 449.8 Z36

15245 \*EHRlich, HANS. Das ende der läuseplage. Umschau 47: 252-253. Nov. 1943. 474 Um7

*Pediculus humanus corporis*.

15246 \*EHRlich, HANS. Über die beziehungen der flöhe zum "flecktyphus." Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 31-33. Feb. 1943. 449.8 Z36

15247 FRASER, F. C. Some critical notes upon the Selysian synopses to the Calopterygines (Odonata). Ent. Monthly Mag. 80: 15. Jan. 1944. 421 En86

15248 FRASER, F. C. The status of *Anaciaeschna donaldi* Fraser and *A. montivagans* Lieftinck (Odonata). Ent. Monthly Mag. 79: 87-88. Apr. 1943. 421 En86

*A. montivagans* synonym of *A. martini* (Selys).

15249 GORDON, R. M., UNSWORTH, K., and SEATON, D. R. The development and transmission of scabies as studied in rodent infections. Ann. Trop. Med. and Parasitol. 37: 174-194. Dec. 31, 1943. 448.9 L75A

Life-cycle of *Notoedres* sp. in rat compared with *Sarcoptes scabiei* in man.

15250 GORDON, R. M., and UNSWORTH, K. The lethal action of benzyl benzoate, dimethylthianthrene ('mitigal') and tetraethylthiuram monosulphide ('tetmos') on scabies-producing mites, *Notoedres* sp. and *Sarcoptes scabiei* var. *hominis*, when tested in vitro. Ann. Trop. Med. and Parasitol. 37: 195-199. Dec. 31, 1943. 448.9 L75A

15251 GRAHAM, J. R. Scabies. Brit. Med. Jour. 1944, 1(4333): 130. Jan. 22, 1944. 448.8 B77

*Sarcoptes scabiei*.



- 15252 GUIMARÃES, L. R. Sobre alguns gêneros e espécies de Heptapsogastriidae (Mallophaga) - III. São Paulo. Sec. da Agr., Indus. e Com. Depto. de Zool. Papéis Avulsos 3: 19-37. May 27, 1943. 410.9 Sa63
- 15253 \*HASE, ALBRECHT. Bekämpfung der körperverlausung mit hilfe pulverförmiger mittel, sowie über prüfverfahren von sog. "Läusepudern." Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 1-17. Jan. 1943. 449.8 Z36
- 15254 \*HOOS, W. Entlausung mit wasserdampf, heissluft und gas. Prakt. Desinfektor 34: 58-60. June 1942. 449.8 Z36P  
Pediculus humanus corporis.
- 15255 JORDAN, KAPL. A Chinese rat-flea of the subfamily Tunginae [Tunga] caecigenae. (Abs.) Roy. Ent. Soc., London. Proc. Ser. C: Jour. Mtgs. 8: 34. Dec. 1943. 420 L84Pc
- 15256 KETCHAM, D. R. Control of hog lice [Haemaphysalis] adventicius. Pacific Rural Press, North. Ed. 147: 80. Feb. 5, 1944. 6 F112
- 15257 KILLINGTON, F. J., and BATHE, E. C. A new locality for Ischnura pumilio (Charp.) (Odon., Coenagrionidae). Ent. Monthly Mag. 80: 12-13. Jan. 1944. 421 En86
- 15258 LYMAN, F. E. Taxonomic notes on Brachycercus lacustris (Needham) (Ephemeroptera). Ent. News 55: 3-4. Jan. 1944. 421 En88
- 15259 MOSELY, M. E. The preparation of insects for the microscope; with special reference to Trichoptera. (Concl.) Entomologist 76: 241-251. Dec. 1943. 421 En8
- 15260 O'MAHONY, EUGENE. A note on some Irish Anoplura Siphunculata. Ent. Monthly Mag. 80: 5. Jan. 1944. 421 En86
- 15261 \*REICHMUTH, WERNER. Zur arbeitsrichtung und versuchstechnik in der läuseforschung. Eine neue methode zur biologischen prüfung chemischer stoffe auf prophylaktisch-insektizide eigenschaften. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 73-77. May 1943. 449.8 Z36
- 15262 \*SCHMID, G. Versuche über läusebekämpfung beim pferd. Schweiz. Arch. f. Tierheilk. 85: 206-209. May 1943. 41.8 Sch9  
Translation by Carlo Zeimet in Dept. Agr. Libr., No. 5426.  
Tests with J. G. Geigy's Preparation 1859, of which the active principle is dichloro-diphenyl-trichloromethyl-methane.
- 15263 \*SCHNEIDER, R. Neocidol als läusebekämpfungsmittel. Schweiz. Arch. f. Tierheilk. 85: 453-455. Nov. 1943. 41.8 Sch9  
Contains dichloro-diphenyl-trichloroethane.
- 15264 SHAHOVITCH, G. P. Lice, the ancient enemy of man. Hygeia [Chicago] 22: 176-177, 214. Mar. 1944. 449.8 H993
- 15265 SHAND, ERNEST. Scabies. Brit. Med. Jour. 1944, 1(4332): 98. Jan. 15, 1944. 448.8 B77
- 15266 \*SKORIN, I. E. O vospriimchivosti svinykh vshel k virusu synnogo tifa [About the susceptibility of swine lice to the virus of typhus exanthematicus]. Mikrobiol. Epidemiol., i Immunbiol. Zhur. U. S. S. R. Narod. Komis. Zdravookhraneniia 1943, No. 10/11, p. 92-95. 448.3 Z4
- 15267 \*STEINIGER, FRITZ. Das "ausstreuen" der läuse. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 77-80. May 1943. 449.8 Z36
- 15268 \*STEINIGER, FRITZ. Dorfbäder als behelfsmässige entlausungsanlagen. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 67-62. Apr. 1943. 449.8 Z36
- 15269 \*STEINIGER, FRITZ. Soll man bestehende badeanstalten in entlausungsanstalten umbauen? Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 93-96. June 1943. 449.8 Z36
- 15270 \*STUTZ, LEOPOLD. Über mangel bei der entseuchung und entwesung mittels wasserdampfs. Desinfekt. u. Schädlingsbekämpfung. 35: 87-88. Oct. 1943. 449.8 Z36P  
Delousing apparatus.
- 15271 TYPHUS in Naples: AMG medical officers control an epidemic with tons of delousing powder [dichloro-diphenyl-trichloroethane] and a preventive vaccine. Life 16(9): 36-37. Feb. 28, 1944. 280.8 L62  
With photographs.
- 15272 \*ZUMPT, F. Vergleichende prüfung einiger bekannter körperentlausungsmittel. Ztschr. f. Hyg. Zool. u. Schädlingsbekämpfung. 35: 25-31. Feb. 1943. 449.8 Z36  
Insecticides tested against Pediculus spp. were: Wintergreenöl, Delicia-Delitest, Cuprex, Laussex, Lauto, Goldgeist, Kopfgeist.

## AGRICULTURAL ENGINEERING

## GENERAL

- 15273 ANDREWS, H.A. Winter fires are still burning. Land Worker 25(297): 2. Feb. 1944. 283.8 L22
- 15274 BATES, J.J. Determining skills in farm shop for day classes. Agr. Ed. Mag. 16: 153. Feb. 1944. 275.8 Ag8
- 15275 \*BORINEVICH, V. A. Opređenje obmerom vesa skrid 1 stogov [Computing the weight of ricks and stacks by measuring]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 73/74, 15 p. folder. Moskva, 1943. 20 Ag88
- 15276 DRAUGHN, T. G. What are the major long-time objectives of farm mechanics in vocational agriculture schools? Agr. Ed. Mag. 16: 152. Feb. 1944. 275.8 Ag8
- 15277 \*HAHN, F. Der hahnreuter. Mitt. f. die Landw. 58: 711. Aug. 28, 1943. 18 D48M
- 15278 KARICKHOFF, P.H. Expanding our present farm mechanics program. Agr. Ed. Mag. 16: 152. Feb. 1944. 275.8 Ag8
- 15279 KELLER, LILLIAN. How safe is your home? Prog. Farmer, Ky.-Tenn. Ed. 59(3): 47. Mar. 1944. 6 P945K
- 15280 MCRAE, I. F. Accidents and their cost to the dairy industry. Canad. Dairy and Ice Cream Jour. 23(2): 33-34. Feb. 1944. 44.8 C132
- 15281 PENCE, H.T. Major objectives of farm mechanics in vocational agricultural school. Agr. Ed. Mag. 16: 147. Feb. 1944. 275.8 Ag8
- 15282 RAMBO, E.K. Machines, buildings need winter care. Ark. Farmer 46(1): 9. Jan. 1944. 6 Ar42
- 15283 RETTENMEYER, F. X. La electronia en la agricultura de la post-guerra. Rosario, Argentina. Bolet. de Com. Bol. Ofic. 31(767): 7-9. Dec. 31, 1943. 287 R71
- 15284 VALGREN, V.N. Farm fire losses in 1943. U.S. Bur. Agr. Econ. Agr. Situation 28: 13-15. Jan. 1944. 1 Ec7Ag
- 15285 WALTKE, A. Engineering on the farm. So. Austral. Dept. Agr. Jour. 47: 41-42. Aug. 1943. 23 So84
- 15286 \*ZUEV, I. Protivopozharnaiia oborona v sovkhosakh [Fire protection on state farms]. Sovkhoznoe Proizvodstvo 3(6/7): 47-48. June/July 1943. 20 So85



## FARM MACHINERY

General

15287 \*ABEL. Neue bestimmungen für die lieferung landwirtschaftlicher maschinen und geräte. Mitt. f. die Landw. 58: 877-879. Oct. 23, 1943. 18 D48M

15288 \*ALFEROV, I. Kanavokopatel' A. Smol'faninova [Smol'faninov's ditch digger]. Sovkhoznoe Proizvodstvo 3(6/7): 42. June/July 1943. 20 So85

15289 BAKER, M.J. "Going..going...shucks, it's gone!" Country Gent. 114(2): 18, 26-27. Feb. 1944 6 C833

Farm auctions of farm equipment.

15290 BARNES, E.A. Outlook for farm equipments. Further rise ahead? Mag. Wall St. 73: 563, 588. Mar. 4, 1944. 286.8 M27

15291 BEELER, M.N. Research molds machines. Capper's Farmer 55(3): 29, 55. Mar. 1944. 6 M693

15292 BORDEN, R.D. Is your equipment ready? Repair now, then plan to keep it going. Ohio Farmer 193(5): 8. Mar. 4, 1944. 6 Oh3

15293 \*BROVIN, I. Difa rodiny, difa fronta [For the country and for the front]. Sovkhoznoe Proizvodstvo 3(10/11): 38-39. Oct./Nov. 1943. 20 So85

Repair of agricultural machinery and the production of machine parts for the Red Army within 40 miles of the battlefield.

15294 \*CAÑIZO, JOSÉ DEL. Pulverización de olivos. Surco [Madrid], No. 1, p. 5-7; No. 8, p. 5-8. Jan., Oct. 1942. 15 Su7

15295 CARTER, D.G. Lighten the labor load. South. Agr. 74(3): 20-21. Mar. 1944. 6 So83

15296 \*CLAUSING. Planvolle vorbereitungen für die maschinelle zuckerrübenerte 1943. (Concl.) Mitt. f. die Landw. 58: 854-856. Oct. 16, 1943. 18 D48M

15297 CLYDE, A.W. Mechanics of farm machinery. Parts 4 and 5. Farm Impl. News 65(4): 24-26; (5): 44-46. Feb. 17, Mar. 2, 1944. 58.8 F22

15298 CUNNINGHAM, J.F. Farm machine forum demonstrates progress. Fla. Grower 52(2): 10, 15. Feb. 1944. 80 F6622

15299 DUFFEE, F.W. The critical farm equipment situation in Wisconsin. Farm Impl. News 65(5): 30. Mar. 2, 1944. 58.8 F22

15300 DUFFEE, F.W. Interchangeable power units for farm machines. Agr. Engin. 25: 45, 47. Feb. 1944. 58.8 Ag83

15301 ELLISON, W.D. Two devices for measuring soil erosion. Agr. Engin. 25: 53, 55. Feb. 1944. 58.8 Ag83

15302 THE ENGINEERING outlook. VI. Agricultural machinery. Engineering 157: 134. Feb. 18, 1944. 290.8 En322

15303 \*FLORIDA, J. DE LA. Memorias de medio siglo de un vendedor de maquinaria agricola. Surco [Madrid], No. 5, p. 4-7. July 1942. 15 Su7

15304 GAAR, M.C. Vo-ag farm machinery repair. Project in Randolph County. W. Va. Farm News 12(11) 5. Feb. 1944. 275.293 W. Va.

15305 GRUSSING, B.D. The road ahead for the manufacturer or man with a mission. East. Dealer 37(12): 12. Feb. 1944. 58.8 Ea7

15306 HAGEDORN, V.C. Availability and rationing of farm machinery. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 125-126, 128-130, 132-136. 1943. 81 V52

15307 HARTSHORN, L., and MOUNFIELD, J.D. The N.P.L. moisture meter. Milling 102: 24-27. Jan. 8, 1944. 298.8 M622

For rapid determination of moisture content of grain.

15308 JACKSON, P.M. Machinery rationing program. Va. Fruit 32(1): 78-82. Jan. 1944. 81 V81B

15309 \*KNOLLE, W. Ein neues reichs-institut für landmaschinen? Tech. in der Landw. 24: 139-140. Sept. 1943. 58.8 T22

15310 LEES, A.B. Mechanisation needs balance. Farmer and Stock-Breeder 58: 187. Feb. 1, 1944. 10 F228

15311 MCGRAW, A.F. Grass farming with a profit. Impl. and Tractor 59(4): 34-35, 46. Feb. 12, 1944. 58.8 W41

Discussion of equipment.

15312 MCKENNA, P.J. What about those garden tools? Home Garden 3(2): 27-28. Feb. 1944. 80 H756

15313 MCMUNN, E.W. Handy gadgets save minutes at chore time. Ohio Farmer 193(4): 5. Feb. 19, 1944. 6 Oh3

15314 MEEKER, DAVID. Farm equipment available in 1944. U.S. Bur. Agr. Econ. Agr. Situation 28(2): 15-18. Feb. 1944. 1 Ec7Ag

15315 MORE power for the farmer. Pop. Mechanics Mag. 81(4): 50-54, 150. Apr. 1944. 291.8 P81

15316 NEW FARM machinery developments needed; a symposium. Agr. Engin. 25: 39-42. Feb. 1944. 58.8 Ag83

Papers by A. P. Yerkes, E. G. McKibben, and E. J. Baker, Jr.

15317 ROGERS, FRAZIER. Care for your farm machinery. Citrus Indus. 25(2): 8. Feb. 1944. 80 C49

15318 \*SCHMIDT. Die maschine in der landeskultur. Deut. Landeskult. Ztg. 12: 88. Aug./Sept. 1943. 18 D484

15319 SCHOENLEBER, L.H. Performance of irrigation sprinkler units. Agr. Engin. 25: 49-51. Feb. 1944. 58.8 Ag83

15320 \*SMIRNOV, I. Stanki dlia izgotovleniia gvozdei [Equipment for nail production]. Sovkhoznoe Proizvodstvo 3(10/11): 44. Oct./Nov. 1943. 20 So85

15321 SMITH, A.E. My observations on the mechanical production of sugar beets in 1943. Through the Leaves 32(1): 10-14. Jan./Feb. 1944. 66.8 T41

15322 THOMPSON, A.C. Labor saving machinery for the vegetable grower. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 55-64, 66-68, 70-73. 1943 81 V52  
Also in Market Growers Jour. 73: 82, 88-89, 96, 101. Mar. 1944. 6 M34

15323 \*VALAIZE, H. Note sur les indications du mustimetre. Prog. Agr. et Vitic. 120: 208-209. Nov. 7/14, 1943. 14 P94

The hand refractometer can replace the must meter in the analysis of musts.

15324 VONDELL, J.H. Mechanical chicken picker. New England Homestead 117(3): 22, 24. Feb. 12, 1944. 6 N442

15325 WRIGHT, S.J. Farm implements and machinery. Roy. Agr. Soc. England. Jour. 104: 67-79. Dec. 1943. 10 R81

Power farming; Tractors; General cultivation, manure distribution, etc.; Root and vegetable crops; Harvesting, silage making, etc.

15326 ZINK, F.J. Farm equipment now and after the war. West. Livestock Jour. 22(20): 6. Feb. 29, 1944. 6 F2278

15327 ZINK, F.J. The trend in mechanization. Nation's Agr. 19(3): 4, 16-17. Mar. 1944. 280.82 B89

15328 \*ZÜDLER, HANS. Besonderheiten der landmaschinenforschung. Tech. in der Landw. 24: 148-151. Oct. 1943. 58.8 T22

Tillage Machinery

15329 ARMER, AUSTIN. Dixie beet blocker to be improved. Spreckels Sugar Beet Bul. 8(1): 7. Jan./Feb. 1944. 66.8 Sp7



15330 HOFF, P. R. Adjustment of the tractor plow. Part 2. Amer. Agr. 41(4): 6, 12. Feb. 19, 1944. 6 Am3

15331 KROLLIG, J.P. The heavy plough for scrub clearing. So. Austral. Dept. Agr. Jour. 47: 45-46. Aug. 1943. 23 So84

15332 \*NARTISSOV, V. P. Primenenie predpluzhnikov i izmenenie udel'nogo soprotivleniia pochvy [The use of tandem plows and the change in the specific resistance of the soil]. Gor'kiĭ. Gosud. Sel'sk. Khoz. Inst. Trudy (Gor'kiĭ. State Inst. Agr. Papers) 4: 147-158. 1943. 106 B414T

15333 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. A two-plough hitch. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 522-523. Feb. 1944. 10 G79J

15334 \*PETERBURGSKIĬ, A. Pozhniivnoe lushchenie i ranniiaia ziab' - osnova vysokikh urozhayev iarovykh [Stubble gleaming and early plowing - basis of abundant summer harvest]. Sovkhoznoe Proizvodstvo 3(8): 39-40. Aug. 1943. 20 So85

15335 \*SACK, OTTO. Der pflug im wandel des ackerbaues. Tech. in der Landw. 24: 146-147. Oct. 1943. 58.8 T22

15336 STAUFFER, R. S. Is the mold board plow doomed? Ill. Agr. 48: 43, 54. Feb. 1944. 6 I16

15337 \*TRANSFORMATION électrique d'un motoculteur maraicher. Génie Rural et Elect. Rurale 36(9): 7-8. Sept. 1943. 58.8 Au8

15338 \*TVERDOVSKIĬ, V. P. Ziablevaia vspashka osnova urozhaiia [Plowing - the basis of the harvest]. U. S. S. R. Narod. Komis. Zeml. Agrotekh.-sovety Kolkhov., No. 77, 8 p. folder. Aug. 1943. 20 Ag88

#### Planting Machines and Fertilizer Distributors

15339 ARMER, AUSTIN. Plan planting for mechanical harvest. Spreckels Sugar Beet Bul. 8(1): 1-2. Jan./Feb. 1944. 66.8 Sp7

15340 \*FLEHR, FR. Dibbeln im rechteckverband ohne knotendraht. Tech. in der Landw. 24: 122-124. Aug. 1943. 58.8 T22

15341 FRAZIER, W.A., and TACHIBANA, S. Four-row seeder and fertilizer placer helps Hawaii planting. Market Growers Jour. 73: 78, 105-106. Mar. 1944. 6 M34

15342 \*HEREDIA, E. A. Siembra mecanica. Surco [Madrid], No. 3, p. 9-11. Oct. 1942. 15 Su7

15343 \*KALLMEYER, WERNER. Arbeitswirtschaftliche massnahmen zur beschleunigten kartoffelernte. Mitt. d. die Landw. 58: 730-731. Sept. 4, 1943. 18 D48M

Potato-harvesting equipment.

15344 \*KÖSTER, O. Möglichkeiten zur beschleunigung der rübenerte. Mitt. f. die Landw. 58: 856-857. Oct. 16, 1943. 18 D48M

Sugar beet equipment.

15345 \*ROMERO, A. G. Ante la nueva sementera. Surco [Madrid], No. 7, p. 9-11. Sept. 1942. 15 Su7

15346 RUTHERFORD, D.M. No stoop cabbage planting. Pacific Rural Press [South. Ed.] 147: 89. Feb. 5, 1944. 6 P112A

15347 \*SCHULTE-STEINBERG, FRIEDRICH. Über vorzüge, nachteile und aussichten von dibbelgeräten für rübensaat. Tech. in der Landw. 24: 111-116. Aug. 1943. 58.8 T22

15348 SHARP, M.A. A new liquid fertilizer distributor. Agr. Engin. 25: 58. Feb. 1944. 58.8 Ag83

Also in Prog. Farmer, Ky.-Tenn. Ed. 59(3): 12. Mar. 1944. 6 P945K

15349 \*THURN, P. G. Forstpflanzmaschinen im Osten. Forstarchiv 19: 107-108. Mar. 15, 1943. 99.8 F7723

15350 \*WEITZENBERG, H. Bedeutung der dibbel-saat für den baumwollanbau in der Südukraine und auf der Krim. Tech. in der Landw. 24: 119-121. Aug. 1943. 58.8 T22

15351 \*ZÜLLER, HANS. Zur entwicklung der kartoffellegemaschine. Tech. in der Landw. 24: 98-102, 124-125. July, Aug. 1943. 58.8 T22

#### Harvesting, Threshing, Drying and Processing Equipment

15352 BABCOCK, H.E. Cooking and freezing. Cornell Countryman 41(5): 5. Mar. 1944. 6 C81

Freezer has become a necessity. 15353 BECK, C. W. Converting a corn sheller to motor use. U. S. Rural Electrification Admin. Rural Electrification News 9(6): 15. Feb. 1944. 173.2 R88Ru

15354 BRODELL, A.P., and COOPER, M.R. Milking machines are war tools. U.S. Bur. Agr. Econ. Agr. Situation 28: 15-18. Jan. 1944. 1 Ec7Ag

Also in Pure Milk 18(2): 10. Feb. 1944. 280.28 P97

15355 BURGESS, T. Combine harvesters and grain drying. London Corn Cir. 101(4): 10. Jan. 14, 1944. 286.81 L84

15356 CALVERT, G.C. What about machinery and supplies in 1944? Milk Dealer 33(5): 35-36, 38, 40. Feb. 1944. 44.8 M595

15357 CALVERT, G.C. Where we stand on equipment and supplies. Ice Cream Trade Jour. 40(2): 28, 80, 82. Feb. 1944. 389.8 Ic2

15358 THE CARE and maintenance of binders. New Zeal. Jour. Agr. 67: 423, 425-429. Dec. 15, 1943. 23 N48J

15359 COX, A. B. Greater mechanization essential to the cotton industry. Tex. Business. Rev. 17(12): 17-18. Jan. 1944. 280.8 T312

15360 \*DAMBIER, H. Séchoir permanent pour tournesol. Prog. Agr. et Vitic. 60: 86-88. Sept. 5, 1943. 14 P94

15361 DILLON, C.E. Care of tools and equipment in locker plant slaughtering rooms. Hints on sanitation and the prevention of accidents common to beef and pork killing beds. Locker Operator 6(7): 16-17, 36-38. Feb. 1944. 295.8 L79

15362 FARMER, F. R. Driers - heat and mechanical. Mfg. Chem. and Mfg. Perfumer 15: 7-11. Jan. 1944. 396.8 M31

15363 FRANDSEN, J. H. Prolong life of dairy utensils. Milk Plant Monthly 33(2): 33. Feb. 1944. 44.8 C864

15364 \*FREUDENBERGER, JAKOB. Mechanische rübenerte. Mitt. f. die Landw. 58: 879. Oct. 23, 1943. 18 D48M

15365 GARRISON, E.R. Cleaning the milking machine and other dairy equipment. Sanitary Milk Bul. 15(8): 7. Feb. 1944. 280.28 Sa5

15366 \*GLADKOV, N. Zernoochistitel'nyi agregat s konnym privodom [Horse operated grain cleaning equipment]. Sovkhoznoe Proizvodstvo 3(10/11): 42-43. Oct./Nov. 1943. 20 So85

15367 HARBORD, W.L. Care of the header harvester. New Zeal. Jour. Agr. 67: 444. Dec. 15, 1943. 23 N48J

15368 \*HODBERT, C. M. Le séchage artificiel du foin sauvegarde ses richesses alimentaires. Génie Rural et Elect. Rurale 36(2): 1-5. Feb. 1943. 58.8 Au8

15369 JOHNS, C.K. Cold weather care of milking machine rubber parts. Jour. Milk Technol. 7(1): 17-19. Jan./Feb. 1944. 44.8 J824

15370 KEGG, VAUGHN. Take care of your milking machines. Ohio Farm Bur. News 23(8): 14. Mar. 1944. 6 Oh34



- 15371 \*KOVAL', T. Kombain - osnovnaya mashina na uborku [Combine - the basic machine in harvesting]. Sovkhoznoe Proizvodstvo 3(6/7): 14-18. June/July 1943. 20 So85
- 15372 KRANICK, FRANK. Operation of corn binders. Impl. and Tractor 59(4): 86, 88. Feb. 12, 1944. 58.8 W41
- 15373 \*LATYSHEV, M. Prispособlenie k molotil'ke BDO-34 dlia obmolota semennikov klevra [An attachment to the BDO-34 threshing machine for threshing clover seeds]. Sovkhoznoe Proizvodstvo 3(9): 43-45. Sept. 1943. 20 So85
- 15374 \*LATYSHEV, M. Prispособlenie kombaina "Kommunar" dlia uborki semennikov klevra [Attachment on the "Kommunar" combine for harvesting clover seeds]. Sovkhoznoe Proizvodstvo 3(6/7): 40-41. June/July 1943. 20 So85
- 15375 LEES, A. B. Combines save 50s. an acre. Farmer & Stock-Breeder 58: 257. Feb. 15, 1944. 10 F226
- 15376 \*LEHMANN, WALTER, VICTOR, ---, and GÜNZEL, ARNO. Schwingkolben-einbaupresse typ "SE15C/32" der firma Netzschkauer maschinenfabrik Franz Stark & Söhne, Netzschkau/Sa. Tech. in der Landw. 24: 141. Sept. 1943. 58.8 T22
- 15377 \*MALII, L. Ubrat' semenniki trav bez poter' [Harvesting forage plant seeds without losses]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz No. 67, 8 p. folder. July 1943. 20 Ag88
- 15378 MALIMANN, W.L. Dairy equipment must be free from microbial contamination. Milk Plant Monthly 33(2): 23-25. Feb. 1944. 44.8 C864
- 15379 MASTERMAN, N.K. Freeze your food. Cornell Countryman 41(5): 3. Mar. 1944. 6 C81 Equipment.
- 15380 MECHANISING flax fibre production in Australia. Australian methods in mechanically harvesting and handling flax. Textile Mfr. 70(829): 31. Jan. 1944. 304.8 T3126
- 15381 MILLER, R. C. Mower to mow in a day. Successful Farming 42(3): 24, 58, 60. Mar. 1944. 6 Su12
- 15382 MITCHELL, TERRY. Quick-freezing of foods at low temperatures. Power 88(3): 105. Mar. 1944. 290.8 P87
- 15383 NANKIVELL, N.J. Hay baling. So. Austral. Dept. Agr. Jour. 47: 43. Aug. 1943. 23 So84
- 15384 NOTAS para el estudio de las guadadoras. Spain. Min. Ed. Nac. Escuela Especial Ingen. Agron. Anuario 1, sup.1, 40 p. Madrid, 1942-43. 58.9 M26
- 15385 PARNERKAR, Y.M. A simple fodder-cutter for villages. Indian Farming 4: 339. July 1943. 22 In283
- 15386 ROSENBAUM, ROBERT, and CALVERT, G.C. Supplies and equipment outlook. Ice Cream Field 43(2): 10, 44-46. Feb. 1944. 389.8 Ic23
- 15387 SCHNEIDER, ISRAEL. La higiene en el tambo. Chacra 14(158): 7-9. Dec. 1943. 9 C34
- 15388 \*SEREBRIÁKOV, N. Prispособlenie k kombainu "Kommunar" dlia uborki prosa [An attachment to the "Kommunar" combine for harvesting millet]. Gor'kiy. Gosud. Selsk. Khoz. Inst. Trudy (Gor'kiy. State Inst. Agr. Papers) 4: 159-168. 1943. 106 B414T
- 15389 \*SHLYKOV, M. Bezmotornyy privod kombaina [Motorless attachment for combines]. Sovkhoznoe Proizvodstvo 3(6/7): 38-39. June/July 1943. 20 So85
- 15390 SINTES OLIVES, F.F. El aprovisionamiento de electricidad a las industrias, con particular referencia a la industria lechera. Indus. Lechera 25: 589-592. Sept. 1943. 44.8 In26
- 15391 SLATE, N.P. Dan Best helped Nat Slate build Albany combine in '82. Impl. Rec. 41(2): 22, 24. Feb. 1944. 58.8 Im73
- 15392 \*TVERDOVSKIY, V.P. Uborka sokharnoy svekly [Harvesting of sugar beets]. U.S.S.R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No.79, Broad-side. Moskva, 1943. 20 Ag88
- 15393 WALKER, CLYDE. Home-made windrower. Impl. Rec. 41(2): 20-21. Feb. 1944. 58.8 Im73
- 15394 WALKER, H.J. Prospects for dairy machinery replacements. Pacific Dairy Rev. 44(2): 10, 22-23. Feb. 1944. 286.85 P11
- 15395 WHITTLESTON, W.G. Care of milking machines. New Zeal. Jour. Agr. 68(1): 21-25. Jan. 15, 1944. 23 N48J
- 15396 WHITTLESTON, W. G. Some studies on the properties of milking-machine relief valves. New Zeal. Jour. Sci. and Technol. 24: 272B-281B. May 1943. 514 N48
- 15397 \*ZASOVA, A. Khorosho ispol'zuyte kombainy no uborku khlebov [Use of combines in grain harvesting]. U.S.S.R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No.68, Broadside. Moskva, 1943. 20 Ag88

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 15398 ADAMS, ORVILLE. Fundamentals of cooling a Diesel. Feedstuffs 15(8): 22, 24. Feb. 19, 1944. 286.81 F322
- 15399 \*ANTOSHEKIN, A. Nash opyt organizatsii remonta mashin [Our experience in organizing the repair of machinery]. Sovkhoznoe Proizvodstvo 3(10/11) 39-41. Oct./Nov. 1943. 20 So85
- Tractor repair and production of parts.
- 15400 BARAHONA, H.F. Ventajas del tractor sobre la tracción animal. Coop. Agr. [Honduras] 4(41/42): 8, 15. Mar./Apr. 1943. 280.28 C7874
- 15401 BARAHONA, H.F. Ventajas del tractor sobre las bestias de tiro. Coop. Agr. [Honduras] 4(40): 12-14. Feb. 1943. 280.28 C7874
- 15402 \*BARATTE, JACQUES. L'alcool et la motoculture. Génie Rural et Elect. Rurale 36(5): 1-3. May 1943. 58.8 Au8
- 15403 BEHRENS, FRED. Magneto edge distance. Farm Mach. and Equip., No.1922, p. 34. Feb. 1944. 58.8 F225
- 15404 \*BERESNEVICH, V. V. Organizatsiya zagotovki gazogeneratornogo topliva dlia traktorov [Organization of fuel supply for gas-generating tractors]. Torf. Promysh. (Peat Indus.) 20(2): 23-24. Feb. 1943. 401.8 T63
- 15405 \*COLIN, G. Le pneu automobile et le pneu agricole. Génie Rural et Elect. Rurale 36(2): 6-8. Feb. 1943. 58.8 Au8
- 15406 \*CREUS, J. El gas pobre en agricultura. Surco [Madrid], No. 4, p. 10-11. June 1942. 15 Su7
- 15407 \*DE L'UTILISATION de la tourbe pour l'alimentation des gazogènes pour véhicules. Rev. Internatl. du Bois 10: 11-15. Jan. 1943. 99.8 R326
- 15408 \*GUIGNARD and STOECKLIN. Un nouveau mélangeur pour véhicules à gazogènes: le mélangeur licence G.S. Rev. Internatl. du Bois 10: 53-56. Mar. 1943. 99.8 R326
- 15409 \*JOLY, R. L. La motoculture pratique. Les différents emplois du tracteur agricole. La question du rendement en motoculture. Génie Rural et Elect. Rurale 36(6): 12. June 1943. 58.8 Au8
- 15410 MARELLI, C.A. Como, mediante la mezcla de gas de carbon de leña y aire, comprimidos, podemos hacer marchar automoviles. Campo [Buenos Aires] 28(326): 58-59, 63. Dec. 1943. 9 C15
- 15411 \*MEZHEVSKIN, S. Kok uluchshit' rabotu shatunnykh podshipnikov dvigatelei gaz i gaz-nati [How to improve pump bearings of gas and gas-nati motors]. Sovkhoznoe Proizvodstvo 3(10/11): 43. Oct./Nov. 1943. 20 So85
- 15412 \*NARCY, ROGER. La tourbe pour gazogènes. Rev. Internatl. du Bois 10: 45-47. Mar. 1943. 99.8 R326



15413 PACKER, C.E. Curing high oil consumption. Impl. and Tractor 59(4): 51, 53. Feb. 12, 1944. 58.8 W41

15414 \*SANGUINO, D. L. Los montes y el gasogeno. Surco [Madrid], No. 9, p. 2-5; No. 10, p. 2-4. Nov., Dec. 1942. 15 Su7

15415 SCHWANTES, A.J. Uses for multicylinder engine on a dairy farm. Agr. Engin. 25: 46-47. Feb. 1944. 58.8 Ag83

15416 SHEPHERD, T. L. The high bin. Saskatchewan Farmer 35(5): 13. Mar. 1, 1944. 7 Sa74

Bin mounted on truck for quick removal of grain from combine.

15417 \*SIERRAGORDA, CONDE DE. Los productos de la vid. ¿Pueden también darnos carburantes? Surco [Madrid], 2(13): 9-10. Mar. 1943. 15 Su7

On the discovery in Portugal that gasoline may be obtained from grape must and the effect of this upon the wine market.

15418 \*STROKOV, P. Perestankovka blokov sheshteren [Transposing pinion blocks]. Sovkhoznoe Proizvodstvo 3(9): 45. Sept. 1943. 20 So85

Transposing pinion blocks in repairing tractor brakes will help the economy of essential parts.

15419 \*SUBACH, N. Nash opytekonomii babbita [Our experience in economizing Babbitt metal]. Sovkhoznoe Proizvodstvo 3(9): 25. Sept. 1943. 20 So85

Economizing Babbitt metal in tractor repair.

15420 \*VEQUAUD, JEAN. Le gazogene a resolu le probleme des transports en Guinee. Rev. Internatl. du Bois 10: 57-58. Mar. 1943. 99.8 R326

#### FARM STRUCTURES

##### General

15421 \*ARKHANGEL'SKIĬ, I. Sel'skokhoziaistvennoe stroitel'stvo v raionakh osvobodivshiesia ot nemetskoi okkupatsii [Agricultural construction in the regions liberated from German occupation]. Sotsialist. Sel'sk. Khoz. 14(10/11): 60-63. Oct./Nov. 1943. 281.8 So73

15422 EKBLAW, K.J.T. How to build and re-model in 1944. Poultry Tribune 50(3): 10, 30-31. Mar. 1944. 47.8 P8642

15423 FRYE, C.R. Efficient buildings could increase Ohio farm income by one-third. Ohio Farm Bur. News 23(8): 29. Mar. 1944. 6 Oh34

15424 HOLMAN, A.T. Farm structures program. Suggested outline of plan to emphasize importance of farm buildings in Nation's 1944 food production program. Better Farm Equip. and Methods 16(3): 6-7. Jan./Feb. 1944. 58.8 B46

15425 INCH, R. Farm gateways. New Zeal. Jour. Agr. 67: 400-401. Dec. 15, 1943. 23 N48J

15426 LEWIS, F.C. Repair buildings in the interest of crops and livestock. Agr. Leaders' Digest 25(2): 20. Feb. 1944. 275.28 Am3

15427 \*PASHCHENKO, A. and GANZHA, V. Nekotorye voprosy stroitel'stva v sovkhodzakh [Construction problems on state farms]. Sovkhoznoe Proizvodstvo 3(9): 23-25. Sept. 1943. 20 So85

15428 \*RAUDA. Landschaftsgebundene technische Bauten. Deut. Schlachthof-Ztg. 43: 85-94. Apr. 15, 1943. 286.85 D48

15429 \*SALAS, F. P. Construcciones rurales. Surco [Madrid], No. 9, sup., p. 17-18; No. 14, p. 26-29. Nov. 1942, Apr. 1943. 15 Su7

15430 SCHNEIDER, I.F. Changes in distribution of farm buildings in relation to land types, Charlevoix County, Michigan. Mich. Acad. Sci., Arts, and Letters Papers (1942) 28: 455-463. 500 M582

##### Farmhouses

15431 BOESTER, C.F. Homes of the future. Nation's Agr. 19(3): 8, 11. Mar. 1944. 280.82 B89

15432 CARTER, D.C. Get ready for your postwar farm home. Capper's Farmer 55(3): 11, 56-57. Mar. 1944. 6 M693

15433 HORTA, A.J., and GUASTAVINO, E.P. Tipo de construccion rural economica para los territorios del norte. Campo [Buenos Aires] 28(326): 20. Dec. 1943. 9 C15

Construction of farmhouses.

15434 LEGARD, ROGER. Cottages built in a night. Homes and Gardens 25(10): 32-33, 74. Mar. 1944. 318.8 Ou7

15435 \*LEOSTE. Le logement du fermier. Un exemple d'agrandissement et d'amélioration de confort de l'habitation rurale. Génie Rural et Elect. Rurale 36(7/8): 11. July/Aug. 1943. 58.8 Au8

15436 YOST, L.M. Do you want a - prefabricated house? Household Mag. 44(3): 4, 24-25. Mar. 1944. 321.8 H813

##### Service Buildings

15437 ACETE PINERO, FERNANDO. El conejo. Agr. Mod. [Habana], 1(2): 17. July 1943. 8 Ag832

Discusses mainly the building of hutches.

15438 BAILEY, C.F., GRIESBACH, L., and RANKIN, J.A. Homemade electric brooders. Marit. Farmer and Coop. Dairyman 49(10): 5. Feb. 15, 1944. 7 C77

15439 BERG, E.K. Golden Guernsey milk-house. Guernsey Breeders' Jour. 65: 362-363, 368. Mar. 1, 1944. 43.8 G93

15440 BROADBENT, V. V. No waste with my feeding trough. Poultry Farmer [London], 110 (2851): 9. Feb. 11, 1944. 47.8 F312

15441 BROOKS, J.B. Lamp or lantern brooder for chicks. Prog. Farmer, Ky.-Tenn. Ed. 59(2): 59. Feb. 1944. 6 P945K

15442 BUCKLEY, TERENCE. Booster wanted for hay-box brooders. Poultry Farmer [London], 110 (2849): 6. Jan. 28, 1944. 47.8 F312

15443 CHUN, E.Y. An electric pig brooder. Hawaii Farm and Home 7(2): 18. Feb. 1944. 25 H3191

15444 FERGUSON, C.M. As brooding time rolls around. Successful Farming 42(3): 108, 112. Mar. 1944. 6 Sul2

15445 FUJINAGA, S. An open air poultry house. Hawaii Farm and Home 7(2): 20-21. Feb. 1944. 25 H3191

15446 GORDON, M.D. Test incubators carefully before use. Field 183: 126. Jan. 29, 1944. 10 F45

15447 GRAY, CHARLES. Labor saving brooding ideas; consider gas, hot water and permanent brooder houses. Poultry Tribune 50(3): 14-15. Mar. 1944. 47.8 P8642

15448 GROSS, E.R. To build or repair. Amer. Poultry Jour. 75(3): 9, 17-18, 20-21. Mar. 1944. 47.8 Am32

Poultry house construction.

15449 HAMILTON, R.G. Grading tables and packing bins for vegetables. New Zeal. Jour. Agr. 67: 403-405. Dec. 15, 1943. 23 N48J

15450 HEIMPEL, L.G. An electric pig brooder. Macdonald Col. Jour. 4(6): 3, 15. Feb. 1944. 101 M144

15451 KILLEEN, N.C., and NICHOLSON, A.R. Self-feeders for pigs. Victoria Dept. Agr. Jour. 42(1): 5-6. Jan. 1944. 23 V66J

15452 \*KLINCKOWSTROEM, GRAF. Einfache, billige Schweine-zuchtställe im 5. kriegsjahr. Mitt. f. die Landw. 58: 656-657. Aug. 14, 1943. 18 D48M



- 15453 \*KVAPIL', A. I. *Prostefshie pomeshcheniya dlia krolikov*, The simplest housing for rabbits, U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 84, 8 p. Moskva, 1943. 20 Ag88
- 15454 LEES, A. B. Yards or sheds for dairy cows? Farmer & Stock-Breeder 58: 147. Jan. 25, 1944. 10 F228
- 15455 \*LHOSTE, R. Logez bien votre personnel il vous restera. Génie Rural et Elect. Rurale 36(10): 8-9. Oct. 1943. 58.8 Au8
- Cattle barns.
- 15456 LONG, J.D. Poultry structures of plywood construction. Albers Egg Maker 19(1): 9-10, 14. Spring, 1944. 47.8 All
- 15457 NELSON, R.A. Chick and turkey brooder. Stock and Dairy Farmer 23(6): 4. Feb. 1944. 6 N8195
- 15458 NELSON, R.A. Lamb brooder. Stock and Dairy Farmer 23(6): 4. Feb. 1944. 6 N8195
- 15459 NELSON, R.A. Pig brooder. Stock and Dairy Farmer 23(6): 4. Feb. 1944. 6 N8195
- 15460 \*NORHEIM, A. Ventilasjon i husdyrrrom. Norsk Landbruk 9: 305-309. Nov. 12, 1943. 11 N8122
- Ventilation in rooms for domestic animals. Importance of proper ventilation when constructing buildings.
- 15461 PARKER, E.S. Goat housing, plans and details. (To be cont'd.) Amer. Dairy Goat News 5(8): 2, 15. Feb. 1944. 40.18 Am34
- 15462 PFENDLER, D.C. Time-savers in pork. Successful Farming 42(3): 110-111. Mar. 1944. 6 Su12
- 15463 ROACH, WM. Health and higher production through scientific ventilation and insulation. Canada Poultryman 31(1): 7, 19-20. Jan. 1944. 47.8 C166
- Construction of poultry houses.
- 15464 SCHAFFHAUSEN, J.F. Housing to save pigs. Country Gent. 114(3): 14, 71. Mar. 1944. 6 C833
- 15465 SNOW, C. F. Running repairs to hutches; time for a overhaul. Mod. Poultry Keeping 50: 83. Feb. 2, 1944. 47.8 Eg3
- 15466 SPONG, A.N. Best way I know of ventilating houses. Poultry Farmer [London] 110 (2843): 3. Jan. 21, 1944. 47.8 F312
- 15467 TURNILL, LEONARD. Bench for packing chicks. Poultry Farmer [London] 110 (2843): 3. Jan. 21, 1944. 47.8 F312
- 15468 TURNILL, LEONARD. You can hay box brood all year round. Poultry Farmer [London] 110(2852): 3. Feb. 17, 1944. 47.8 F312
- 15469 WARD, H.M. Sunlit colony house. Successful Farming 42(3): 66. Mar. 1944. 6 Su12
- 15470 WHICH brooder would you choose? Mo. Ruralist 85(5): 1, 20. Feb. 12, 1944. 6 R8891
- 15471 WILSON DA COSTA, J. Planta de una criadora para 1000 pollitos. Chacra 14(158): 66. Dec. 1943. 9 C34
- 15472 WITZEL, S.A., and ANNIN, G.E. This brooder house has a future. Successful Farming 42(3): 42. Mar. 1944. 6 Su12
- 15473 WOOD, I.D. For success with sheep. Successful Farming 42(3): 25, 66. Mar. 1944. 6 Su12
- 15474 WORTHINGTON, JIM. Cheap machines. Poultry Farmer [London] 109(2845): 6. Dec. 31, 1943. 47.8 F312
- Incubators.
- 15475 WORTHINGTON, JIM. Our rogue machine. Poultry Farmer [London] 110(2843): 6. Jan. 21, 1944. 47.8 F312
- Incubators.

- 15476 WORTHINGTON, JIM. Second-hand suspects. Poultry Farmer [London] 110 (2846): 6. Jan. 7, 1944. 47.8 F312
- Poultry equipment.
- 15477 WRIGHT, S.A. Dreams of a domestic. Poultry Farmer [London] 110(2847): 6. Jan. 14, 1944. 47.8 F312

#### Storage Structures

- 15478 \*CONSTRUCCIONES agricolas: paneras. Surco [Madrid], No. 12, p. 6-9. Feb. 1943. 15 Su7
- 15479 \*DICKINGER. Ein bäuerlicher "kartoffel-bunker." Mitt. f. die Landw. 58: 534. July 3, 1943. 18 D48M
- Specifications of potato bunker built by a farmer in the vicinity of Ems.
- 15480 EDGAR, A. D., and BINKLEY, A. M. Storage cellar rebuilt on experimental basis. Colo. Farm. Bul. 6(1): 2-6. Jan./Feb. 1944. 100 C718
- 15481 KLEIN, G.T. Feed room conveniences. Everybody's Poultry Mag. 49(3): 11, 26-27. Mar. 1944. 47.8 F213P
- 15482 RESEARCH COMMITTEE ON FOOD PROCESSING AND STORAGE. Recommendations for frozen food locker plants: report. Locker Operator 6(7): 12-13, 44-46. Feb. 1944. 295.8 L79
- 15483 SHARP, M.A. Plywood silos. Agr. Engin. 25: 58. Feb. 1944. 58.8 Ag83
- 15484 SNYDER, C.G. Silo drainage stops a nuisance. Minn. Farm and Home Sci. 1(2): 10. Feb. 15, 1944. 100 M668
- 15485 \*WEIL, TH. Die reichskartoffellagerhalle. Tech. in der Landw. 24: 127-129. Sept. 1943. 58.8 T22

#### Farm Utilities

- 15486 \*BECKERICH, A. Le rôle des communes rurales en matière d'équipement rural. Génie Rural et Elect. Rurale 36(9): 5-6. Sept. 1943. 58.8 Au8
- 15487 CHARLESWORTH, GEORGE. Rural electrification in Iowa. Iowa Dept. Agr. Yearbook (1942) 43:301-303. 2 Io9R
- 15488 \*DÍAZ, L. M. La energia electrica en la agricultura. Surco [Madrid], No. 3, p. 9-11. May 1942. 15 Su7
- 15489 GANTES, ARTURO, and RODRIGUEZ, DARIO. Chilean plan of electrification. Tenn. Valley Engin. 4(11): 3-5, 16, 18. Feb. 1944. 290.8 T25
- 15490 HAFORD, G. W. Churchmen look at rural electrification. Part II. U. S. Rural Electrification. Admin. Rural Electrification News 9(6): 19. Feb. 1944. 173.2 R88Ru
- 15491 \*HEGLY, M. Comment construire nos antennes de battage? Quelques solutions au problème de l'équipement électrique des campagnes. Génie Rural et Elect. Rurale 36(6): 3-7. June 1943. 58.8 Au8
- 15492 KABLE, G.W. Electric chore boys. Country Gent. 114(3): 15, 43-44. Mar. 1944. 6 C833
- 15493 MCKINNEY, FLORENCE. Light has three jobs to protect eyesight, to conserve energy, to lend beauty. Mo. Ruralist 85(5): 12-13. Feb. 12, 1944. 6 R8891
- 15494 NEWCOMB, J.L. Electricity down on the farm. Va. Univ., Ext. Div. New Dominion Ser. 47, 8 p. Charlottesville, 1944. 280.9 V814
- 15495 PROGRESS in mid-Cheshire. Electrification of an extensive rural area. Elect. Rev. 134(3451): 41-45. Jan. 14, 1944. 335.8 E122
- 15496 RIOUX, ALBERT. L'électrification rurale et le chômage. La Terre de Chez Nous 16(21): 3. Feb. 23, 1944. 7 T27
- 15497 ROY, ANDRÉ. L'électricité en aviculture. Bul. des Agr. 40(2): 20-21. Feb. 1944. 7 B872



15498 \*THOMAS, JACQUES. Dans les Alpes-Maritimes un moto-treuil de labourage électrifié. *Génie Rural et Elect. Rurale* 36(7/8): 3-4. July/Aug. 1943. 58.8 Au8

15499 \*TURLIN, ROBERT. Le labourage électrique, perspectives d'avenir. *Génie Rural et Elect. Rurale* 36(5): 4-5. May 1943. 58.8 Au8

15500 WHITLOW, J.A. Who is responsible for farm electrification? Free enterprise or the Government? *Edison Elect. Inst. Bul.* 12: 39-44. Feb. 1944. 335.8 Ed4

#### Materials and Methods

15501 RUHLING, J.A. Coordination of the dimensions of building materials and equipment. *Agr. Engin.* 25: 54-55. Feb. 1944. 58.8 Ag83

### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

#### GENERAL

15502 AMERY, L. S. Widespread Indian famine averted. (To be cont.) *Gt. Brit. and the East* 61 (1703): 15-17. Jan. 15, 1944. 286.8 N27

Government steps taken and help from the Army.

15503 AMUNATEGUI, FRANCISCO. Otros productos agrícolas de Rumania. *Campesino* [Santiago, Chile, 75: 788, 790. Dec. 1943. 9.3 Sol2

15504 BISHOP, M. W. Army procurement of dried products. *Food Packer* 25(4): 47-48. Mar. 1944. 286.83 C165

Also in *Canner* 98(14): 67-68. Mar. 4, 1944. 286.83 C16

15505 CALL, L. E. The crop industries of Kansas. *Mod. Miller* 71(9): 15. Feb. 26, 1944. 298.8 M72

Agricultural crops grown in Kansas.

15506 CLAXTON, BROOKE, SCHULTZ, THEODORE, and WILCOX, W. W. World relief and rehabilitation. *Univ. Chicago Round Table*, No. 307, 29 p. Feb. 6, 1944. 280.9 Un34

Includes food program.

15507 DUNN, C. G. Army requirements for dehydrated food. *Canner* 98(14): 62, 64, 66. Mar. 4, 1944. 286.83 C16

15508 THE EMPIRE and Britain's food supplies. *Statist* 141: 42. Jan. 15, 1944. 286.8 St2

Empire food supplies for Great Britain.

15509 FOOD to the rescue. *U. S. War Food Admin. Consumers' Guide* 10(3): 10-12. Feb. 1944. 1.94 Ad422C

International food relief.

15510 FRANKEL, EVA. Titratable acidity and pH. *Food in Canada* 4(2): 21-22. Feb. 1944. 389.8 F7323

15511 CAMPBELL, S. S. World food supplies must be conserved - Is America co-operating? *Farmer & Stock-Breeder* 58: 169. Feb. 1, 1944. 10 F228

15512 HAMILTON, J. H. Government procurement methods and requirements. *Food Packer* 25(4): 29-30. Mar. 1944. 286.83 C165

Procurement of food for the Army.

Also in *Canner* 98(14): 27-29. Mar. 4, 1944. 286.83 C16

15513 HARDIGG, C. A. The Army's food needs. *Food Packer* 25(4): 26. Mar. 1944. 286.83 C165

Also in *Canner* 98(14): 26-27. Mar. 4, 1944. 286.83 C16

15514 \*HOETINK, E. W. De ontwikkeling van de verticale bedrijfsorganisatie op het gebied der voedselvoorziening. *Econ. Statist. Ber.* 28: 212-215. June 1943. 280.8 Ec722

Organization of the food supply in the Netherlands.

15515 HSU, KAN. China's post-war food production. *Gt. Brit. and the East* 61(1705): 39, 41, 43. Jan. 29, 1944. 286.8 N27

Includes handling of the food supplies.

15516 \*LEMKE, ALFRED. Die monopole im General-gouvernement. *Ostwirtschaft* 32: 9-10. Jan. 1943. 280.8 Os7

Includes agricultural products.

15517 LOGAN, P. P. Army food. *Food Manufacture* 18: 413-414. Dec. 1943. 389.8 F736

15518 MEYER, E. A. Government and the food industry. *Canner* 98(14): 29-32. Mar. 4, 1944. 286.83 C16

Cooperation between food industry representatives and the U. S. War Food Administration.

Also in *Food Packer* 25(4): 31-32. Mar. 1944. 286.83 C165

15519 MILLAN, V. C. What has happened to Mexico's food? *Inter-American* 3(3): 13-15, 45. Mar. 1944. 280.8 In85

Food shortages and price rises.

15520 \*MULLER, R. Die mikroskopische analyse von ersatzlebensmitteln. *Switz. Eidg. Gsndhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg.* 34: 229-242. 1943. 389.9 Sw6

15521 PODOLSKY, SOPHIA. Blockade busting in the Caribbean. *U. S. War Food Admin. Market. Activ.* 7(1): 3-6, processed. Jan. 1944. 1.942 ASM34

Food imports and supply in Puerto Rico.

15522 POLLOCK, E. O. Food supplies are great, but demand is greater. *Natl. Live Stock Prod.* 22 (5): 5. Feb. 1944. 280.38 N21

15523 PRODUCTION, Government requirements and civilian supplies of canned foods. *Canning Trade* 66(31): 14, 16. Feb. 28, 1944. 286.83 T67

15524 RICHTER, J. H. Food in Germany. *U. S. Off. Foreign Agr. Relat. Foreign Agr.* 8: 43-48, processed. Feb. 1944. 1.9 Ec7For

Production, consumption, and estimated rations.

15525 SOMERVELL, B. B. Alimentos: los que van al soldado americano. *Rev. Nac. [Habana]* 2(23): 25. Oct. 1943. 280.8 R3295

Policy of supplying food to the United States Army. Notes the daily ration of soldiers.

15526 TEKUMALLA, VISWANATHAM. Our food [supply] problem. *Indian Co-op. Rev.* 9: 292-248. July/Sept. 1943. 280.28 In2

Includes Government food production and distribution policy.

15527 WEIL, ELSIE. Facts on the Indian famine. *Asia and the Americas* 44: 74-75. Feb. 1943. 286.8 Am31

15528 YOU'LL get yours. *U. S. War Food Admin. Consumers' Guide* 10(3): 5-7. Feb. 1944. 1.94 Ad422C

Civilian food supplies for 1944.

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

15529 BRINDZE, RUTH. Your money's worth in canned foods. *Jour. Living* 9(9): 45-48. Mar. 1944. 389.8 J822

15530 BRINGAS NUÑEZ, L. P. El transporte en la evolución económica del país. *Inst. Agr. Argentino. Reseñas* 3(19): 24-29. 1943. 281.9 B862

15531 DIPMAN, C. W. War-time changes in food distribution. *Mfg. Confectioner* 24(2): 41-43. Feb. 1944. 389.8 M31



15532 FREEMAN, R.R. Air freight as a threat to frozen foods - by transporting fresh. Quick Frozen Foods 6(7): 26, 41. Feb. 1944. 389.8 Q4

15533 GUTIÉRREZ, GUSTAVO. De postguerra: expansión económica cubana. Rev. Nac. [Habana] 2(23): 9. Oct. 1943. 280.8 R3295

The post-war market for Cuban agricultural products

15534 HARPER, F. A. How marketing agencies arrive at their margins, as related to the subsidy question. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3556-3558. Feb. 1944. 280.8 C812

15535 KITCHEN, C. W. Scope and activities of the Office of Distribution [U. S. War Food Administration]. Food Packer 25(4): 27-29. Mar. 1944. 286.83 C165

Also in Canner 98(14): 32-34. Mar. 4, 1944. 286.83 C16

15536 KNAPP, J. G. Marketing co-ops do \$3-billion. Coop. Digest 4(9): 40-42. Mar. 1944. 280.28 C7896

Condensed from an address.

15537 LANGLEY, J. A. Distribution of canned goods in the United Kingdom. Canada. Dept. Trade and Com. Com. Intel. Jour. 69:221-223. Sept. 18, 1943. 286.8 C16

15538 MARSHALL, LEE. Meeting our 1944 objectives. Amer. Egg and Poultry Rev. 5: 92, 94, 96. 98. Feb. 1944. 47.8 Am38

The food allocation and distribution program in the United States.

15539 MARTIN, ROMÉO. Les services de la [Coopérative] Fédération [de Québec]. (Cont.) Terre de Chez Nous 14, i. e. 16(12): 4. Dec. 22, 1943. 7 T27

Marketing of agricultural products is included among the services offered.

15540 \*OEHME. Güterverkehr im herbst 1943. Landesbauernschaft Niederschlesien. Wchnbl. 10: 515. Sept. 25, 1943. 18 S13

Suggestions for the transportation of agricultural products.

15541 RAWLS, F. H., and STEHMAN, J. H. Postwar food market potentials. Food Packer 25(3): 30-31. Feb. 15, 1944. 286.83 C165

15542 RUDERMAN, A. P. Agricultural transportation problems. U. S. Bur. Agr. Econ. Agr. Situation 28(1): 21-23. Jan. 1944. 1 Ec7Ag

15543 SOME aspects of post-war agricultural marketing. Scot. Jour. Agr. 24: 190-194. Jan. 1944. 10 Sco82So

15544 UNIFORM freight rates are coming. Co-op Grain Quart. 2(1): 25-28. Winter 1944. 280.28 C7898

Rates for transportation of grain and other farm products.

15545 WELD, L. D. H. Fallacies found in FTC food distribution report. Printers' Ink 206(7): 27-28, 119. Feb. 18, 1944. 238.8 P932

15546 WHITE, R. P. Postwar markets for nursery stock. Amer. Nurseryman 79(3): 22, 24-26. Feb. 1, 1944. 80 Am371

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

15547 MCCANN, HIRAM. Grade A tempest in a teapot! Food in Canada 4(2): 7-9. Feb. 1944. 389.8 F7323

15548 MORGAN, R. H. Food standards. Present and prospective legislation in Great Britain and elsewhere. Part 1. Food 13(148): 5-7. Jan. 1944. 389.8 F738

Pt. 2 in Food 13(149): 47-49. Feb. 1944.

15549 PAYNE, HAPPER. Looking toward better labels [for canned foods]. What's New in Home Econ. 8(6): 48-50, 72, 74, 76. Feb. 1944. 321.8 W55

Grade labeling vs. brand labeling.

15550 REID, M. G. Quality grade labeling; its past, present and future. Iowa Farm Econ. 10(1-2): 6-7. Jan./Feb. 1944. 275.28 Io92

15551 TYLER, A. Food standards. Brit. Food Jour. 46(542): 1-3. Jan. 1944. 389.8 B77

#### INDUSTRIAL UTILIZATION

15552 CHEMURGY may tap new farm wealth. Co-op Grain Quart. 2(1): 10-13. Winter 1944. 280.28 C7898

15553 HOLMAN, R.L. War shuffles industry's raw materials. Synthetics from farm and sea replace our pre-war imports. Barron's 24(9): 5. Feb. 28, 1944. 284.8 B27

15554 McMILLEN, WHEELER. Farm prosperity and industry's profits. Amer. Business 14(2): 12-13. 48-49. Feb. 1944. 280.8 Am35

Interdependence of farmers and business men, and importance of chemurgy to both.

15555 WIEGAND, E. H. Dollars from [canning] factory wastes. Canner 98(11): 20, 22, 34. Feb. 12, 1944. 286.83 C16

#### PACKING AND PACKAGING

15556 DOUGHERTY, KMMET. Feed bag standardizer. Feedstuffs 16(7): 55-56. Feb. 12, 1944. 286.81 F322

Work of J. E. Zeller, in the War Production Board.

15557 GRANT, A.F. Experiments in frozen food packaging. Quick Frozen Foods 6(7): 27. Feb. 1944. 389.8 Q4

15558 HART, L. P. Camouflage rust inhibitive coatings for food cans. Natl. Paint Bul. 8(2): 5-6. Feb. 1944. 306.8 N212

15559 MAY, ARTHUR. Food package supply trends. Food in Canada 4(2): 25-27. Feb. 1944. 389.8 F7323

15560 THE TIN can after the war; electrolytic plate expected to become standard raw material for food cans. Food Packer 25(3): 23-25. Feb. 15, 1944. 286.83 C165

#### PRICES, PRICE CONTROL, AND RATIONING

15561 BELSHAW, H. Stabilisation policy in New Zealand. Internatl. Labour Rev. 49: 298-322. Mar. 1944. 283.8 In8

Wartime economic controls, including price control and rationing of agricultural products.

15562 BOWER, R. P. Newfoundland price control measures. Canada. Dept. Trade and Com. Com. Intel. Jour. 69: 229. Sept. 18, 1943. 286.8 C16

Price control of foodstuffs.

15563 BOWLES, CHESTER. Black markets still plague Nation; 650,000 cases investigated in 1943. Victory Bul. 5(7): 13. Feb. 26, 1944. 280.8 V663

Includes black markets in food.

15564 BOWLES, CHESTER. Sharing the benefits of price control; domestic measures "tie in" with foreign needs, efforts, and problems. U. S. Dept. Com. Foreign Com. Weekly 14(6): 3-4, 32. Feb. 5, 1944. 157.54 F763

15565 BROWNLEE, J. F. Viewpoints in the Office of Price Administration. Food Packer 25(4): 43-44. Mar. 1944. 286.83 C165

Also in Canner 98(14): 52, 54-55. Mar. 4, 1944. 286.83 C16



- 15566 CARROLL, J. F. Ceiling prices on formula basis. *Canning Trade* 66(30): 12, 14-15. Feb. 21, 1944. 286.83 T67
- Also in *Amer. Grocer* 151(8): 22-26. Feb. 23, 1944. 286.83 Am32; *Food Packer* 25(4): 38-40. Mar. 1944. 286.83 C165; *Canner* 98(14): 55-56, 58-59. Mar. 4, 1944. 286.83 C16
- 15567 \*EGLE, MARY. Rationierung in Schweden. *Ernährung* 8: 233-236. Oct. 1943. 389.8 Er6
- 15568 GERMAN food rations, 1939-1943. U. S. Off. Foreign Agr. Relat. Foreign Crops and Markets, Dec. 1943, p. 309-312, processed. 1.9 St2F
- 15569 HAWKEN, R. W. We stand condemned! *Farmers Weekly* [London] 20(5): 31. Feb. 4, 1944. 10 F2226

The farmers' case in the controversy over agricultural price-fixing.

- 15570 HOUSTON, BRYAN. A reappraisal of rationing. *Food Packer* 25(4): 32-34. Mar. 1944. 286.83 C165
- 15571 HUDSON, R. S. "Agriculture being given a fair deal." *Land Worker* 25(296): 1-2. Jan. 1944. 283.8 L22
- On the new prices fixed for agricultural products in Great Britain.
- 15572 KEANE, R. V. Price control of primary products. *Austral. Dried Fruits News* 20(2): 1-2. May 1943. 286.83 Au72

- 15573 KIRBY, W. H. Principles of food rationing. *Indian Inform.* 13: 307, 309. Dec. 15, 1943. 280.8 In25

- 15574 \*LINDSTEDT, HELGO. The food supply problem in the United Kingdom during the World War 1914-1918. *Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol.* [reprint from *Internatl. Rev. Agr.*] 33: 271E-295E. Sept. 1942. 280.9 In83
- Includes price-fixing and rationing of foods.

- 15575 McDONALD, J. A. Farm [produce] floor prices a possibility. *Canad. Dairy and Ice Cream Jour.* 23(2): 66. Feb. 1944. 44.8 C162

- 15576 MAUNEY, ROSS. Farm price preview for coming year. *Ark. Farmer* 46(1): 5. Jan. 1944. 6 Ar42

- 15577 PÉREZ, BAUDELIO. Los mercados negros. *Agr. Mex.* 59(11): 9-10. Nov. 1943. 8 Ag8
- Black markets in food products in Mexico.

- 15578 STEWART, M. S. The Smiths and their wartime budgets. *Pub. Aff. Pam.* 88, 32 p. New York, Public Affairs Committee, Inc., 1944. 280.9 P964
- Methods for combatting inflation, including food rationing and price controls, grading and standardization, and use of subsidies.

- 15579 STRAUB, W. F. Benefits under rationing. *Food Packer* 25(4): 40, 42. Mar. 1944. 286.83 C165
- Also in *Amer. Grocer* 151(9): 3-4, 8. Mar. 1, 1944. 286.83 Am32
- Also in *Canner* 98(14): 48, 50, 52. Mar. 4, 1944. 286.83 C16

- 15580 STRAUB, W. S. Tokens--are good news. *New England Grocery and Market* 12(5): 17-18. Mar. 1944. 286.83 N44A

Explanation of ration tokens.

- 15581 \*WITTERN. Helfer der landwirtschaft. *Landesbauernschaft Sachsen. Wchnbl.* 91: 340. July 31, 1943. 18 Scl
- Ration allowances for occasional agricultural labor.

## PROCESSING AND STORAGE

- 15582 BACAL, BENJAMÍN. Conservación de frutas hortalizas y otros productos similares sin el auxilio del frío. *Corporación Frutícola Argentina. Rev. Ofic.* 9(106): 9-17. Oct. 31, 1943. 83 C81

Results of experiments in the preservation of food products by wrapping or packing them in materials such as ground cork, sawdust, and paper which have been treated.

- 15583 BAGNALL, D. J. T. Colour in food. *Food Manufacture* 19: 55-60. Feb. 1944. 389.8 F736

- 15584 BIRDSEYE, CLARENCE. Frozen foods can expect postwar competition. *Food Packer* 25(3): 25-26. Feb. 15, 1944. 286.83 C165

- 15585 CAPPLEMAN, L. J. What is the future of dehydration? *Farm and Ranch* 63(3): 12, 14. Mar. 1944. 6 F31

- 15586 CASTELL, C.H. Food poisoning. I. Botulism. *Food in Canada* 4(2): 10, 12-13. Feb. 1944. 389.8 F7323

- 15587 CROCE, F. M. La deshidratación de productos alimenticios y la guerra; perspectivas para Mendoza. *Mendoza, Argentina. Dir. de Indus. y Fomento Agr. Bol. Agr.* 11: 173-177. July/Sept. 1943. 9 M52B

- 15588 CROSBIE-WALSH, T. The future of food dehydration. *Food Manufacture* 19: 65-66. Feb. 1944. 389.8 F736

- 15589 DODDS, J. E. The 1944 program for processed foods. *Food Packer* 25(4): 34, 37. Mar. 1944. 286.83 C165

- Program of the U. S. War Food Administration. Also in *Canner* 98(14): 60, 62. Mar. 4, 1944. 286.83 C16; *Canning Trade* 66(30): 7-8, 23. Feb. 21, 1944. 286.83 T67

- 15590 FARRELL, K. T. What the dehydration industry needs. *Food Packer* 25(4): 56. Mar. 1944. 286.83 C165

- Also in *Canner* 98(14): 68, 70, 72. Mar. 4, 1944. 286.83 C16

- 15591 GREENE, V.R.H. Protecting frozen foods against moisture loss. *Quick Frozen Foods* 6(7): 28, 40-41. Feb. 1944. 389.8 Q4

- 15592 GUILFORD, M. J. This year's canning plans call for careful checking on methods and good technique to save valuable foods. *Country Guide* 62(6): 48, 51. June 1943. 7 G76

- 15593 HANNY, DOROTHY. Food [canning and preservation] on the New Mexico front. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(2): 23. Feb. 1944. 1 Ex892Ex

- 15594 HARPER, L. K. Problems facing soup producers. *Quick Frozen Foods* 6(7): 74-75, 81. Feb. 1944. 389.8 Q4

- 15595 HENDERSON, G. E. A report on home dehydration of food products. *Agr. Engin.* 25: 52, 55. Feb. 1944. 58.8 Ag83

- 15596 JENSEN, L.B. Prevention of bacterial food poisoning by food preservation methods. *Amer. Vet. Med. Assoc. Jour.* 104: 63-65. Feb. 1944. 41.8 Am3

- 15597 \*KAMMEL, O. Die industrielle herstellung von ochsenchwanzsuppen. *Deut. Schlachthof-Ztg.* 43: 72-74. Mar. 25, 1943. 286.85 D48

- 15598 KITCHEN, C. W. Food processing activities of Office of Food Distribution [U. S. War Food Administration]. *Amer. Grocer* 151(8): 8, 10, 12, 14, 16, 18, 20-22. Feb. 23, 1944. 286.83 Am32

- 15599 KOLB, CARL. Good year ahead for frozen foods. *Quick Frozen Foods* 6(7): 21, 42. Feb. 1944. 389.8 Q4



- 15600 MENÉNDEZ LEES, PEDRO, and MILANS, J. La penetración del calor y esterilizado rotativo en el envasado de conservas. Corporación Frutícola Argentina. Rev. Ofic. 9(107): 5-18. Nov. 30, 1943. 83 C81
- Study of a rotation method of sterilizing in the canning process.
- 15601 MOSHER, F.D. How an urban locker operates. Quick Frozen Foods 6(7): 51, 56. Feb. 1944. 389.8 Q4
- 15602 NELSON, P.M. Spoilage of canned foods in Iowa. Jour. Home Econ. 36: 136-138. Mar. 1944. 321.8 J82
- 15603 ORDESA, ALBERTO DE. Las pastas alimenticias. Ceres [Spain] 4(41): 33-34. Nov. 1, 1939. 15 C33
- The situation of the food pastes industry in Spain.
- 15604 SACKS, A.P. Poison in your kitchen. Jour. Living 9(9): 41-44. Mar. 1944. 389.8 J822
- 15605 SANBORN, N. H. Disposal of cannery wastes. Canner 98(12): 32, 34. Feb. 19, 1944. 286.83 C16
- 15606 SCOTT, E.H. Community canning centers. Jour. Home Econ. 36: 141-142. Mar. 1944. 321.8 J82
- 15607 SEGALOVE, MILTON, and DACK, G. M. Growth of a strain of Salmonella enteritidis experimentally inoculated into canned foods. Food Res. 9: 1-5. Jan./Feb. 1944. 389.8 F7322
- 15608 SMITH, H.R., and SMITH, K.R. Effect of freezing on utilization of canned foods. Food Res. 9: 66-75. Jan./Feb. 1944. 389.8 F7322
- 15609 TRESSLER, D. K. Can we produce the kind of dehydrated foods the public wants? Food Packer 25(4): 58, 60. Mar. 1944. 286.83 C165
- Also in Canner 98(14): 66-67. Mar. 4, 1944. 286.83 C16 (Paper read by J. C. Moyer).
- 15610 VAN WAZER, F. P., JR. What is the future of dehydration? Food Packer 25(3): 34-35. Feb. 15, 1944. 286.83 C165
- 15611 VARELA, E. L. Rescate del país: las plantas deshidratadoras. Rev. Nac. [Havana] 2(24): 21. Nov. 1943. 280.8 R3295
- Advantages of dehydration and of establishing the industry in Cuba. A plant is being set up in Colón.
- 15612 WIEGAND, E.H. Some recent research on dehydration. Quick Frozen Foods 6(7): 76-77. Feb. 1944. 389.8 Q4
- 15613 WOOLRICH, W.R. The romance and engineering of food preservation. Science 99:107-114. Feb. 11, 1944. 470 Sci2
- 15614 YAWGER, E. S., JR. Better canned foods tomorrow; will electronics revolutionize food sterilization? Crown 33(3): 17, 24. Mar. 1944. 389.8 C88

## STATISTICS

- 15615 CALIF. COOPERATIVE CROP REPORTING SERVICE. 1943 annual State statistical supplement and review. Los Angeles County [Calif.]. Chamber Com. South. Calif. Crops 20(1): A-O, processed. Jan. 1944. 252.09 L8933
- Statistics of crop production and values.
- 15616 CALLAGHAN, A. R., and JONES, R. H. Roseworthy Agricultural College; the 1942 season and farming results. So. Austral. Dept. Agr. Jour. 47: 198-202. Dec. 1943. 23 So84
- Statistics of yields.
- 15617 COMMODITY reviews [1943]. U. S. Bur. Agr. Econ. Agr. Situation 28(1): 1-8. Jan. 1944. 1 Ec7Ag

- 15618 FALCONER, J. I. Index numbers of production, prices, and income [in Ohio]. Ohio. Agr. Expt Sta. Bimo. Bul. 29(226): 77. Jan./Feb. 1944. 100 Oh3S
- Covers period 1913-Oct. 1943, and includes prices paid by farmers, prices of farm products (U. S. and Ohio); and farm wage rates, farm real estate prices, and cash income from sales of products, for Ohio.
- 15619 HARTARD E., MAURICIO. Incorporación de tierras a la producción agrícola. Campesino [Santiago, Chile], 75: 778-779. Dec. 1943. 9.3 Sol2
- Statistics of crop areas in Chile.
- 15620 \*HYLKEMA, M. K. De Deensche landbouw in 1942. Econ. Statist. Ber. 28: 256-258. Aug. 11, 1943. 280.8 Ec722
- Statistics on agricultural production in Denmark.
- 15621 KENDALL, M. G. Oscillatory movements in English agriculture. Roy. Statist. Soc. Jour. (n.s.) 106: 91-117. 1943. 251 R81J
- Fluctuations in production and prices of agricultural products.
- 15622 SHEPARD, J. B. Prospective crop yields for 1944. U. S. Bur. Agr. Econ. Agr. Situation 28(2): 12-15. Feb. 1944. 1 Ec7Ag
- 15623 \*WILLEMS, J. De Nederlandsche landbouw vóór en in den oorlog. Econ. Statist. Ber. 28: 265-268. Sept. 1, 1943. 280.8 Ec722
- Statistics on agricultural production in the Netherlands.

## BEVERAGES AND CONDIMENTS

- 15624 \*ACHERMANN, F.-F. Le contrôle officiel de l'achat au degré de la vendage [i. e. vendange] 1942 dans le canton de Neuchâtel. Switz. Eidg. Gsndhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg. 34: 224-228. 1943. 389.9 Sw6
- Official control of wine marketing and its cost.
- 15625 \*ASTRUC, HENRI. La meilleure des vinifications. Prog. Agr. et Vitic. 120: 69-71. Aug. 22/29, 1943. 14 P94
- 15626 \*BARBET, E. Toujours la qualité des produits. Prog. Agr. et Vitic. 119: 153-156. May 16, 1943. 14 P94
- Improvement of the quality of French wines.
- 15627 \*BÉNET, P. La situation viticole dans la région de Montpellier. Prog. Agr. et Vitic. 119: 20-22. Jan. 10/17, 1943. 14 P94
- The question of wine prices.
- 15628 BERGERET, GUALBERTO. Características del vino vermouth elaborado en el Uruguay. Montevideo. Univ. Facult. de Agron. Rev., No. 32, p. 111-161. May 1943. 102.5 M76R
- Includes a description of the various herbs used in the manufacture of vermouth.
- 15629 BOYLE, JOE. Let's have another cup of tea. U. S. War Food Admin. Market. Activ. 7(1): 9-12, processed. Jan. 1944. 1.942 A8M34
- 15630 \*BRANAS, J., BERNON, G., and LEVADOUX, L. Expression améliorée de la qualité des produits chez Vitis vinifera L. (Aramon). (Cont. and to be cont.) Prog. Agr. et Vitic. 120: 38-41, 119-123, 189-193, 224-225. July 25/Aug. 1, Sept. 26, Oct. 24/31, Nov. 21/28, 1943. 14 P94
- Statistical expression of the vegetative cycle of grapes and variations in wine quality.
- 15631 \*BRANAS, J. La production des vins blancs dans l'Hérault. Prog. Agr. et Vitic. 128, 1. e. 120: 137-140. Oct. 3/10, 1943. 14 P94
- A review of the industry.
- 15632 \*BRANAS, J. A propos des "vins de qualité." Prog. Agr. et Vitic. 120: 62-63. Aug. 22/29, 1943. 14 P94
- Control of quality and quantity produced.



15633 \*BRANAS, J. Les vins blancs de l'Hérault. Prog. Agr. et Vitic. 119: 133-134. May 2/9, 1943. 14 P94

Standards and prices for wines from the Department of Hérault, France.

15634 CALLE, FABIAN. Con calidad y propaganda el vino argentino puede conquistar el mercado de los Estados Unidos. Mendoza, Argentina. Dir. de Indus. Agr. Bol. Agr. 11: 201-206. July/Sept. 1943. 9 M52B

15635 CARSKADON, T.R. Tea, the conqueror. Gourmet 4(3): 14-15, 41-42. Mar. 1944. 389.8 G74

15636 CAUMONT, I. F. Vinos de Francia. Ceres [Spain] 5(44): 30-31. Feb. 1, 1940. 15 C33  
Description of the types produced.

15637 COFFEE BOARD OF KENYA. MARKETING COMMITTEE. Report of the Marketing Committee. Coffee Bd. Kenya. Monthly Bul. 9(97): 3-12. Jan. 1944. 68.29 C652

15638 CORREIA, PINTO. Bebidas cafreais. I. O problema da alimentação indígena. Moçambique 6(23): 5-41. Sept. 1940. 110 M71

Native drinks, the plant and other materials used in them, and their preparation.

15639 COSTA RICA. INSTITUTO DE DEFENSA DEL CAFÉ. SECCIÓN TÉCNICA. Memorandum acerca de una contracción para establecer una fábrica de café deshidratado y concentrado. Costa Rica. Inst. de Defensa del Café. Rev. 13: 585-589. Oct. 1943. 68.28 C82

15640 \*DEGRULLY, P. Le prix du vin. Prog. Agr. et Vitic. 120: 36. July 25/Aug. 1, 1943. 14 P94

15641 DERBY, E. G. Chocolate outlook for 1944. Ice Cream Trade Jour. 40(2): 86. Feb. 1944. 389.8 Ic2

15642 \*DEVÈZE, L. Le régime actuel des vins doux naturels. Prog. Agr. et Vitic. 120: 100-102. Sept. 12/19, 1943. 14 P94

15643 \*GARCÍA ANGULO, J. R. El jerez o "sherry." Surco [Madrid] 2(14): 7. Apr. 1943. 15 Su7

Manufacture of and trade in sherry wine in Spain.

15644 GILLET, S. Problems facing the Kenya coffee industry. Planters' Chron. 38: 494-496. Dec. 4, 1943. 22 P693

15645 GONZÁLEZ LÓPEZ, ANTONIO. Otra industria nacional: el café deshidratado. Rev. Nac. [Habana] 2(21): 21. Aug. 1943. 280.8 R3295

A new dehydrated and concentrated product called Cofix which is soluble and ready for immediate consumption is described.

15646 GRAHAM, SIR ROBERT. A review of tea market conditions between 1918-1933. Planters' Chron. 38: 518-521. Dec. 18, 1943. 22 P693

15647 GRAHAM, SIR ROBERT. A review of the tea regulation scheme. Planters' Chron. 38: 444-447; 464-466. Nov. 6, 20, 1943. 22 P693

15648 GROOME, WALLING. Can coffee become as profitable a distributor item as mayonnaise? Natl. Food Distributors' Jour. 18(2): 10-11, 28. Feb. 1944. 286.28 N212

15649 HALL, L. A. Spices and seasonings for bakers. Spice Mill 67(2): 10-11, 41. Feb. 1944. 389.3 Sp4

15650 HERRERA ARANGO, ALEJANDRO. El café cubano: estado actual de esta riqueza. Rev. Nac. [Habana] 2(23): 15. Oct. 1943. 280.8 R3295

15651 \*HW. Bedenken gegen die heutige weinpreispolitik. Schweiz. Bauernztg. 43: 43. Nov. 1943. 280.28 Sch93

15652 \*MARCILLA ARRAZOLA, JUAN. Impresiones acerca de la situación y perspectivas inmediatas de nuestros mercados vitivinícolas. Surco [Madrid], No. 7, p. 2-3. Sept. 1942. 15 Su7

15653 MEJÍA FRANCO, RAMÓN. Beneficio del café en Colombia. Vida Agr. 20: 713, 715, 717, 719-721. Sept. 1943. 9.8 V66

15654 \*NÈGRE, EDOUARD. La conservation des vins de l'année. Prog. Agr. et Vitic. 128, i. e. 120: 141-144. Oct. 3/10, 1943. 14 P94

Precautions to take to insure the keeping quality of wines.

15655 PENTEADO, ENRIQUE. Un plan de café mancomunado para reconquistar los mercados europeos. Café de El Salvador 13: 255-256. Dec. 1943. 68.28 C112

15656 PICADO, TEODORO. La industria del café desde el punto de vista de la nueva política económica. Rev. de Agr. [Costa Rica] 15: 535-537, 539-543, 546-547. Dec. 1943. 8 Es1

15657 \*PRITZKER, J., and JUNGKUNZ, ROB. Beitrag zur untersuchung von kakao und schokolade. Switz. Eidg. Gendhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg. 34: 192-210. 1943. 389.9 Sw6

15658 \*PRITZKER, J., and JUNGKUNZ, ROB. Über die bestimmung des theobromins in kakao und schokoladen. Switz. Eidg. Gendhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg. 34: 185-191. 1943. 389.9 Sw6

15659 \*SCHANDERL, H. Sur la désacétification des vins par voie biologique. Prog. Agr. et Vitic. 120: 187-189. Oct. 24/31, 1943. 14 P94

15660 \*SCHUBRING. The evolution of the cocoa market. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.] 34: 955-1028. Mar. 1943. 251 In8B

15661 SINGH, LAL, LAL, GIRDHARI, and ISHAQ, MOHD. Preparation of lemon-barley water. Indian Farming 4: 295-299. June 1943. 22 In283

15662 THERON, C. J. Wine-making on a small scale for home use. Farming in So. Africa 18: 867-870, 880. Dec. 1943. 24 So842

15663 \*TORRICELLI, ALFRED. À la recherche d'un nouveau procédé d'investigation pour déceler les vins fraudés. Quatrième partie. Switz. Eidg. Gendhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg. 34: 158-168. 1943. 389.9 Sw6

15664 VÁZQUEZ BELLO, LUIS. Economía cafetalera: la urgencia de calidad. Rev. Nac. [Habana] 2(23): 23. Oct. 1943. 280.8 R3295

15665 WATSON, SIR ALFRED. The story of Indian tea. Gt. Brit. and the East 61(1706): 13-14. Feb. 1944. 286.8 N27

15666 WHIMPER, ROBERT. The influence of the war on cacao. Mfg. Confectioner 24(2): 17-18. Feb. 1944. 389.8 M31

#### DAIRY PRODUCTS

15667 GARDNER, J. C. The future of the ice cream business. South. Dairy Prod. Jour. 35(2): 42-43. Feb. 1944. 44.8 So83

15668 DAVIS, J. G. Synonyms and probable synonyms of the lactic acid bacteria. I. Dairy Indus. 9(1): 22-27. Jan. 1944. 44.8 DL427

15669 GÓMEZ ROSSIE, RODRIGO. La leche de la cabra; deber patriótico intensificar su producción. Rev. Ganad. [Habana] 4(1): 30. Jan. 1944. 49 R321

15670 HARMON, E. M. [National] Dairy Council meets a challenge. South. Dairy Prod. Jour. 35(2): 70-71. Feb. 1944. 44.8 So83

15671 HEDLUND, G. W. Economic conditions facing Penna. dairymen. Pa. Grange News 40(11): 16. Feb. 1944. 6 P38

Excerpt from an address.



15672 HIRSCH, D. E. "They may be too old or too small." U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 4, 7. Jan. 1944. 166.2 N47

#### Dairy cooperatives.

15673 JOHNSTON, J. P. Fluid milk in the Army ration. Milk Dealer 33(5): 46. Feb. 1944. 44.8 M595

Discusses the amount consumed by the Army, and the insufficient supply in the East and South which is supplemented by reconstituted milk.

15674 KLINEFELTER, H. E. M. F. A. [Missouri Farmers' Association, whole milk and cream go to war. Mo. Farmer 36(4): 3-4. Feb. 15, 1944. 6 M696

Achievements of the Producers Creamery Company, at Cabool, Mo.

15675 MASON, D. I. Las cooperativas de tambores pueden ser el medio más eficaz para estimular el desarrollo integral de la industria lechera en el país. Argentina. Min. de Agr. Dir. de Propag. y Publicaciones. Noticioso 8: 125-126, 128. Nov. 10, 1943. 9 Ar311N

15676 MONTAGUE, T. G. [Dairy, industry outlook: long-term consumptive demand expected in post-war period. Amer. Milk Rev. 6(1): 24. Jan. 1944. 44.8 Am38

Also in Dairy World 22(8): 14-15. Jan. 1944. 44.8 D1423

15677 PIERCE, H. F. Ice cream manufacturers look into the future [post-war period]. Canad. Dairy and Ice Cream Jour. 23(2): 29-30, 46. Feb. 1944. 44.8 C162

15678 PROCTER, F. Technical training for foremen [of dairy plants]. Dairy Indus. 9(1): 18-19. Jan. 1944. 44.8 D1427

15679 RABUFFO, J. A. "G. I. Joe" writes about ice cream with the A. E. F. Ice Cream Trade Jour. 40(2): 24, 64. Feb. 1944. 389.8 Ic2

15680 RABUFFO, V. M. Sherbets; what about their future? Ice Cream Trade Jour. 40(2): 16-19, 85-86. Feb. 1944. 389.8 Ic2

15681 RONNEBERG, A. L. Tomorrow's road for the dairyman. Successful Farming 42(3): 20-21, 56, 57. Mar. 1944. 6 Sul2

#### Wartime problems of dairymen.

15682 SCHELLENBERGER, J. A., and HOPKINS, J. A. La industria lechera argentina. (To be cont.) Buenos Aires y la Pampa 7(70): 35-38. Oct. 1943. 9 B868

Economic aspects of the industry, including producing regions and exports of dairy products.

15683 SCHMIDT, C. B. Post-war [dairy] development; new products, new equipment, new competition. South. Dairy Prod. Jour. 35(2): 12-13, 16. Feb. 1944. 44.8 So83

Also in Dairy World [Chicago] 22(8): 18-20, 51-52. Jan. 1944. 44.8 D1423

15684 STREETER, C. P. Dried whole milk — a big new market? Farm Jour. 68(3): 20-21, 85. Mar. 1944. 6 F2212

15685 \*STRUENSEE, WILHELM. Milchleistungssteigerung in der kriegswirtschaft. Mitt. f. die Landw. 58: 919. Nov. 6, 1943. 18 D48M

15686 \*TAPERNOUX, A. Réflexions sur la législation française concernant les laits concentrés et les laits en poudre. Lait 23: 1-15. Jan./Mar. 1943. 44.8 L143

#### Analysis and Composition

15687 ANDERSEN, A. B. Análises da manteiga. Ceres [Brazil, 4: 323-329. May/June 1943. 9.2 C332

15688 BARKNORTH, H. Statistical aspects of the acidity [milk] test. Dairy Indus. 9(1): 20-21. Jan. 1944. 44.8 D1427

15689 BREMER, H. E. The value of the milk serum agglutination test in safeguarding raw milk supplies. Jour. Milk Technol. 7: 26-30. Jan./Feb. 1944. 44.8 J824

#### Test for Bang's infection.

15690 \*EYRARD, A., and JOUFFRET, R. J. Étude d'une réaction peroxydasique appropriée pour la détection de l'eau oxygénée dans les laits de consommation. Lait 23: 141-147. Apr./June 1943. 44.8 L143

15691 \*GUITTONNEAU, G., and CHEVALIER, R. Sur une nouvelle méthode d'analyse microbiologique des beurres et sur l'intérêt qu'elle présente au point de vue industriel. Paris. Acad. des Sci. Compt. Rend. 214: 581. Mar. 16, 1942.

Abs. in \*Lait 23: 68-70. Jan./Mar. 1943.

44.8 L143

15692 HERREID, E. O., and WHITMAN, D. W. The accuracy of the Mojonnier method for estimating milk fat in milk and cream. Jour. Dairy Sci. 27: 147-153. Feb. 1944. 44.8 J822

15693 \*HOSTETTLER, H., and WEGMÜLLER, E. Die beurteilung von melkfiten. Schweiz. Milchztg. 69: 353. Oct. 5, 1943. 44.8 Sch92

15694 \*HOUDINIÈRE, A. Le lait écrémé consommé en nature. Hyg. Sociale 13(7): 124. Aug./Sept. 1940.

#### Composition and pasteurization of skim milk.

Abs. in \*Lait 23: 49. Jan./Mar. 1943. 44.8 L143

15695 \*KRIMER, G. Bystroe opredelenie svezhesti moloka [Quick method of determining the freshness of milk]. Sovkhoznoe Proizvodstvo 3(6/7): 45. June/July 1943. 20 So85

#### Methylene blue reduction test.

15696 MCCANN, ROUD. Dry milks teamed with butter. Pacific Dairy Rev. 44(2): 12, 20. Feb. 1944. 286.85 P11

#### Composition and nutritive value.

15697 \*PIEN, J. Le dosage de la matière grasse des crèmes; méthode industrielle et méthode d'expertise. Lait 23: 18-22. Jan./Mar. 1943. 44.8 L143

15698 PROUTY, C. C., BENDIXEN, H. A., and SWENSON, S. P. A comparison of the roll-tube and standard plate methods of making bacterial counts of milk. Jour. Milk Technol. 7: 5-16. Jan./Feb. 1944. 44.8 J824

15699 SPROULE, W. H. Extraneous matter in cheese found in samples of curd submitted by cheese factories in Ontario for analysis in 1943. Canad. Dairy and Ice Cream Jour. 23(2): 44. Feb. 1944. 44.8 C162

15700 \*VAN BEVER, A. K., and STRAUB, J. La signification de la réaction de Storch, de la vitesse de montée de la crème ainsi que de la détermination des phosphatases pour le contrôle de la pasteurisation du lait. Lait 23: 97-119, 222-240. Apr./June, July/Sept. 1943. 44.8 L143

#### Distribution, Marketing, and Transportation

15701 BENEDICT, V. M. Morale on the milk route. Milk Dealer 33(5): 28, 66, 68. Feb. 1944. 44.8 M595

15702 \*HOUDINIÈRE, A. Les gouttes de lait. Lait 23: 286-288. July/Sept. 1943. 44.8 L143

#### Milk depots in France.

15703 JOHNSON, STEWART. Costs to farmers of hiring milk hauled. N. Y., Orange Co. Farm Bur. News 21(2): 7. Feb. 1944. 275.293 N. Y., Orange Co.

15704 LEONARD, H. R. General manager's report on marketing of milk by Twin City Milk Producers Association in 1943. Twin City Milk Prod. Bul. 27(12): 12-15. Dec. 1943. 44.8 T92

15705 MARTÍNEZ LANGAN, ENRIQUE. Normas generales e indicaciones prácticas para el mejor transporte higiénico de la leche. ESNEA 30(1265): 3; (1266): 4. Nov. 10, 17, 1943. 44.8 Es5



15706 MATHER, E. J. Post war milk distribution possibilities. *Milk Dealer* 33(5): 33-34. Feb. 1944. 44.8 M595

15707 PROCTOR, P. Milk distribution. *Food Manufacture* 19: 47-49, 63. Feb. 1, 1944. 389.8 F736

Trend of milk consumption; Milk consumption habits; Producers and dairymen; Distribution problems; Lack of pasteurisability; The resazurin test.

15708 RAPRICOT, GUY. Le transport coopératif. *Terre de Chez Nous* 14, 1. e. 16(8): 5, 16. Nov. 24, 1943. 7 T27

Includes cooperative transportation of dairy products.

15709 REID, E. B. Dry milk markets--now and post-war. *U. S. Farm Credit Admin. News for Farmer* Coop. 10(10): 5, 14-15, 20-21. Jan. 1944. 166.2 N47

15710 RODRIGUES, A. DE P. O valor da indústria leiteira. *Observador Econ. e Financ.* 8(92): 110-114. Sept. 1943. 280.8 Ob72

Includes the problem of milk transportation and describes milk products and byproducts.

15711 ROHE, F. M. [Milk] sales over \$15,000,000. *Twin City Milk Prod. Bul.* 27(12): 7-8. Dec. 1943. 44.8 T92

Secretary's report of Twin City Milk Producers Association for 1943.

15712 SIRETT, HUGH. More winter milk than ever. *Farmer & Stock-Breeder* 58: 143. Jan. 25, 1944. 10 F228

Government policy and marketing trends.

15713 STITTS, T. G. Milk distributors' war job. *Amer. Milk Rev.* 6:42, 44, 50-51. Feb. 1944. 44.8 Am38

15714 THOM, EDWARD. How Goldenrod [Ice Cream Company] of Chicago is meeting war time merchandising and production problems. *Ice Cream Rev.* 27(7): 22-24, 60, 62, 64, 66, 68. Feb. 1944. 389.8 Ic22

15715 WEBB, H. L. The marketing of Jersey milk. *Jersey Cow* 2(7): 12-13. Dec. 1943. 43.9 En3J

#### Grading, Inspection, Standardization, and Quality

15716 BROWN, R. W. Variations in the percentages fat content in cream grading. *Co-op News* 17 (11): 6. Nov. 1943. 280.28 Co7899

15717 BURKE, A. D. Maintaining quality in ice cream. *Ice Cream Rev.* 27(7): 48, 50. Feb. 1944. 389.8 Ic22

15718 DARGER, H. C. Today and tomorrow. *Natl. Butter and Cheese Jour.* 35(3): 13. Mar. 1944. 286.85 B98Bu

Importance of maintaining butter quality.

15719 \*FUNDER, LUDVIG. Kontrollforeningenes framtidsge ordning; et systematisk samarbeide med meieriene bør istandbringes. *Norsk Landbruk* 9: 313-314. Nov. 12, 1943. 11 N8122

Milk and dairy farm inspection in Norway.

15720 GHIGOILE, O. A. Enforcement of ice cream standards under war conditions. *Jour. Milk Technol.* 7: 32-35. Jan./Feb. 1944. 44.8 J824

15721 INTERNATIONAL ASSOCIATION OF MILK SANITARIANS. COMMITTEE ON FROZEN DESSERTS. Report on ice cream sanitation and regulation. F. W. Fabian, chairman. *Jour. Milk Technol.* 7: 31-39. Jan./Feb. 1944. 44.8 J824

15722 JUDKINS, H. F. Value of sanitary control of milk and milk products. *Milk Dealer* 33(5): 108-116. Feb. 1944. 44.8 M595

15723 KROG, A. J. Wartime problems of the health official. *Jour. Milk Technol.* 7: 37-39. Jan./Feb. 1944. 44.8 J824

Ice cream under F. D. O. No. 8; Substitution of dairy ingredients; Flavoring ingredients; Packages for consumers.

15724 MANDT, P. H. Next to godliness. *Natl. Butter and Cheese Jour.* 35(3): 8-9. Mar. 1944. 286.85 B98Bu

Creamery and cheese factory sanitation.

15725 MÁRSICO, D. F. Condiciones que debe reunir la leche destinada al consumo. *Buenos Aires (City). Bolsa de Cereales Rev.* 31(1626): 29-30. Nov. 27, 1943. 287 B866

15726 SCOTT, J. M. Ice cream sanitation problems in Florida. *Jour. Milk Technol.* 7: 35-37. Jan./Feb. 1944. 44.8 J824

15727 THOMASSON, H. L. Grade A milk. *Ind. State Bd. Health. Monthly Bul.* 47(1): 24. Jan. 1944. 449.7 In2M

Training personnel for milk sanitation.

15728 THOMASSON, H. L. Milk sanitation during wartime. *Assoc. Food & Drug Off. U.S. Quart. Bul.* 8(1): 19-22. Jan. 1944. 389.9 As7A

15729 WALWORTH, GEORGE. Time ripe for more progress; wartime experience speeds move for safer milk in Britain. *Farmer and Settler* 37(49): 6. Jan. 7, 1944. 23 F226

Standardizing and grading milk.

#### Packing and Packaging

15730 \*L'EMBOUTEILLAGE du lait en France. *Lait* 23: 149-158. Apr./June 1943. 44.8 L143

15731 GIDLOW, ELSA. [Milk] bottle caps take war messages into homes. *Dairy World [Chicago]* 22(8): 8-10. Jan. 1944. 44.8 D1423

#### Prices, Price Control, and Rationing

15732 JOHNSON, STEWART. Price comparisons of competing milksheds. *N. Y., Orange Co. Farm Bur. News* 21(2): 6. Feb. 1944. 275.293 N.Y., Orange Co.

15733 MISNER, E. G. Some methods of computing butterfat price differentials. *N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E.* 459, 95 p., processed. Ithaca, 1943. 281.9 C81

#### Processing and Storage

15734 \*ANTUNES, T. M., and SANTOS, I. A. DOS. Elementos para o estudo do queijo da Serra [da Estrela]. *Portugal. Min. da Econ. Dir. Geral dos Serv. Pecuário (Bul. Vet.)* 11(2): 1-203. 1943. 41.8 P83

15735 BABEL, F. J., and HAMMER, B. W. Action of butter cultures in butter: a review. *Jour. Dairy Sci.* 27: 79-141. Feb. 1944. Ref., p. 138-141. 44.8 J822

15736 CLIFFORD, STANLEY. Heat treatment schemes. *Milk Indus.* 24(8): 31-32. Feb. 1944. 44.8 M593

Heat treatment of milk.

15737 FOUTS, E. L. Preventing defects in bottled milk and cream. *Milk Dealer* 33(5): 29-30, 62-63. Feb. 1944. 44.8 M595

15738 FURTADO, D. DE A. O leite e seus produtos. *V. Homogenização; Condensação; Dessecção...* *Rev. Agron. [Brazil]* 7: 566-570. Oct. 1943. 9.2 R325

15739 \*HOTTINGER, HANS. Die fabrikation von speisequarg. *Schweiz. Milchtztg.* 69: 349. Oct. 1, 1943. 44.8 Sch92

15740 \*\*HUNTER, G. J. E. Bacteriophages for *Streptococcus cremoris* phage development [in milk] at various temperatures. *Jour. Dairy Res.* 13: 136-145. 1943.

Abs. in *Jour. Dairy Sci.* 27: A1-A2. Jan. 1944. 44.8 J822

15741 \*\*HUNTER, G. J. E., and WHITEHEAD, H. R. The influence of abnormal ("non-acid") milk on cheese starter cultures. *Jour. Dairy Res.* 13: 123-126. 1943.

Abs. in *Jour. Dairy Sci.* 27: A4-A5. Jan. 1944. 44.8 J822



15742 \*\*JOHNS, C. K., and BERARD, H. L. The effect of over-ripening upon the activity of Cheddar cheese starters. Jour. Dairy Res. 13: 127-135. 1943.

Abs. in Jour. Dairy Sci. 27: A4. Jan. 1944.  
44.8 J822

15743 \*\*JOHNS, C. K. Further studies on bacteriophage in relation to Cheddar cheese-making. Jour. Dairy Res. 13: 119-122. 1943.

Abs. in Jour. Dairy Sci. 27: A5. Jan. 1944  
44.8 J822

15744 \*\*LASSABLIÈRE, P. Histoire de la conservation du lait. Médecine 22(4): 3. Apr. 1941.  
Pasteurization, sterilization, homogenization, etc.  
Abs. in Lait 23: 54-55. Jan./Mar. 1943.

44.8 L143

15745 \*\*LEA, C. H., MORAN, T., and SMITH, J. A. B. The gas-packing and storage of milk powder. Jour. Dairy Res. 13: 162-215. 1943.

Abs. in Jour. Dairy Sci. 27: A6-A7. Jan. 1944.  
44.8 J822

15746 LONG, H. F., HEDRICK, T. I., and HAMMER, B. W. Heat resistant coliform organism, with particular reference to butter. Jour. Milk Technol. 7: 20-25. Jan./Feb. 1944. 44.8 J824

15747 MOGG, A. O. D. Plants affecting milk quality. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 191, 2 p. Pretoria, 1943. 24 So82P  
Flavor and odor of milk in Union of South Africa.

15748 \*\*MORRIS, C. S. The occurrence of slow-reducing coliform organisms in milk. Jour. Dairy Res. 13: 115-118. 1943.

Abs. in Jour. Dairy Sci. 27: A2. Jan. 1944.  
44.8 J822

15749 \*MUGGLI, J. Qualitätsfragen der schweizerischen Käseerei. Schweiz. Milchztg. 69: 373. Oct. 15, 1943. 44.8 Sch92

15750 \*MUGGLI, J. Zur verbesserung der Alpmilchverwertung in Kanton St. Gallen. Schweiz. Milchztg. 69: 369. Oct. 12, 1943. 44.8 Sch92

15751 \*ORLA-JENSEN, S. Ueber die innere ver-wandtschaft der milchsäurebakterien. Milchw. Zentbl. 72: 90-91. July/Sept. 1943. 44.8 M59M

15752 PARKER, M. E. Butter technology considerations...important trends and results of scientific manufacturing and processing. Amer. Butter Rev. 6: 42, 44, 46, 48, 55-56. Feb. 1944. 44.8 Am37

15753 \*\*PEDERSEN, A. H. Thermoresistente bakterier i varmebehandlet mælk. Denmark. Statens Forsøgsmejeri, Beret. 30, 55 p. Copenhagen, 1941.  
Abs. in Lait 23: 41-43. Jan./Mar. 1943.  
44.8 L143

15754 PERAZA, V. M. Los métodos que deben emplearse para evitar la contaminación de la leche. Vaqueros 4(1/2): 19-20. Jan./Feb. 1944. 43.8 V41

15755 \*PIEN, JEAN. Étude de la dilution des crèmes et de son influence sur la composition des babeurres. Lait 23: 119-140. Apr./June 1943.  
44.8 L143

15756 \*PIEN, JEAN. Utilisation des sérums de fromagerie et des lacto-protéines dans l'alimentation. Lait 23: 193-222. July/Sept. 1943.  
44.8 L143

15757 \*RITTER, W. Versuche über die gleichzeitige gewinnung von milchzucker und löslichem eiweiss aus molke. Schweiz. Milchztg. 69: 413-414. Nov. 16, 1943. 44.8 Sch92

15758 STAVISKY, S. E. Ice cream manufactured in a portable plant, for fighting Marines. Ice Cream Rev. 27(7): 26. Feb. 1944. 389.8 Ic22

15759 STORING milk for winter. New Zeal. Dairy Exporter 19(5): 8-9. Jan. 1944. 44.8 N484

Storing skim milk or buttermilk in open dams or reservoirs for pig feeding.

15760 \*STÜSSI, D. Butter lässt sich in kleinstücken (mädli) dauerlagern; bericht über einen kuhlagerungsversuch mit Floralp-butter im block-, stock- und stückform. Schweiz. Milchztg. 69: 429-431. Nov. 26, 1943. 44.8 Sch92

15761 THOMSEN, L. C. Diversion as it affects the creamery operator. Creamery Jour. 55(3): 5, 28-30. Mar. 1944. 44.8 C86

Problems of conversion from the manufacture of one dairy product to another.

15762 \*TRYGGVASON, SVEIN. Smjörgerð i heima-húsum. Búnaðarfélag Íslands. Búnaðarrit 56: 39-59. 1943. 11 B88

Home manufacture of butter in Iceland and equipment used.

15763 \*WALSER, R. Ueberlick über den derzeitigen stand der milchbestrahlung. Schweiz. Milchztg. 69: 370. Oct. 12, 1943. 44.8 Sch92

15764 WILSTER, G. H. Some causes of slow production of acid during cheesemaking. Natl. Butter and Cheese Jour. 35(3): 10-12. Mar. 1944. 286.85 B98Bu

Presence of bacteriophage in the starter.

15765 WILSTER, G. H. Vaccination of ice cream mix. Ice Cream Field 43(2): 24, 26, 44. Feb. 1944. 389.8 Ic23

15766 \*ZARIBNICKY, F. Ueber milchsäurebakterien. Milchw. Zentbl. 72: 89-90. July/Sept. 1943. 44.8 M59M

#### Statistics

15767 RICE, E. B. Queensland butter production. Queensland Agr. Jour. 57: 359-369. Dec. 1, 1943. 23 Q33

Statistics of the industry.

15768 \*THOMANN, W. Die käseproduktion im sommer 1942. Schweiz. Milchztg. 69: 325, 329-330, 333-334. Sept. 10, 14, 17, 1943. 44.8 Sch92

A statistical survey.

#### FEED AND FORAGE CROPS

15769 \*DÜRKEN. Betriebswirtschaftliche auswirkungen der künstlichen trocknung. Mitt. f. die Landw. 58: 748-750. Sept. 11, 1943. 18 D48M

Drying of forage crops.

15770 EDWARDS, J. R. The cattle feed situation. Cattleman 30(9): 80-81. Feb. 1944. 49 C29

15771 FREDERICK, H. E. Feed situation and Ohio poultryman. Grain & Feed Jour. Consolidated 92: 124-125. Feb. 9, 1944. 298.8 G762

15772 FREDERICK, H. E. Feed situation and the poultryman. Feedstuffs 16(8): 43-47. Feb. 19, 1944. 286.81 F322

15773 HAMILTON, E. W. Forage problems for engineers. Agr. Engin. 25: 56. Feb. 1944. 58.8 Ag83

Problems of harvesting, handling, and storing hay and other forage crops.

15774 LAWSON, A. T. Territory analysis will aid feed dealers. Feedstuffs 16(8): 33-34. Feb. 19, 1944. 286.81 F322

15775 MANN, T. B. The separation of B-carotene, neo-B-carotene and xanthophyll of dried grass, pasture grass and silage. Analyst 69: 34-39. Feb. 1944. 382 An1

15776 \*PANNWITZ, E. Die sichere bergung der grummet-ernte. Mitt. f. die Landw. 58: 708-709. Aug. 28, 1943. 18 D48M

Harvesting and artificial drying of second crop hay.

15777 PERKINS, A. E. Placing a value on silage. Ohio. Agr. Expt. Sta. Bimo. Bul. 29(226): 3-9. Jan./Feb. 1944. 100 Oh3S



15778 ROBINSON, J. L. Meeting drouth hay crisis --a public service. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 17, 21-22. Jan. 1944. 166.2 N47

Procurement and sale of hay through Southern States Cooperative.

15779 SCHUPP, A. A. Dried beet pulp [supply]; estimates for 1943 were misleading. Feed Bag 20(2): 81. Feb. 1944. 389.78 F32

15780 SIMPSON, H. R. Postwar feed competition. Feedstuffs 16(7): 52-53. Feb. 12, 1944. 286.81 F322

Retail merchandising of feeds.

#### FIBERS AND TEXTILES

15781 ACKERMAN, F. E. American Wool Council operations in 1943. Natl. Wool Grower 34(2): 17-18. Feb. 1944. 45.8 N21N

15782 ACKERMAN, F. E. [Competition between natural and synthetic fibers.] Wyo. Wool Grower 8(3): 7-10. Feb. 10, 1944. 280.38 W99

15783 ACKERMAN, F. E. Market for wool faces grave threat. Sheep and Goat Raiser 24(5): 26-27. Feb. 1944. 45.8 Sh3

15784 ACKERMAN, F. E. Mohair needs new markets. Sheep and Goat Raiser 24(5): 9. Feb. 1944. 45.8 Sh3

15785 \*AHMAD, NAZIR, PARMAR, M. U., and VENKATARAMAN, K. The chemical processing of Indian cotton materials. Part I. The effect of kier boiling and bleaching on the cuprammonium fluidity and strength of yarns spun from four good quality Indian cottons. Indian Cent. Cotton Com. Technol. Lab. Technol. Bul. Ser. B, No. 29, 18 p. Bombay, 1941. 72.9 In2332B

Reprinted from Industrial and News Edition of the Journal of the Indian Chemical Society, V. 4, No. 2, 1941.

15786 \*AHMAD, NAZIR. Technological reports on standard Indian cottons, 1941. Indian Cent. Cotton Com. Technol. Lab. Technol. Bul. Ser. A, No. 54, 115 p. Bombay, 1941. 72.9 In2332A

15787 \*AHMAD, NAZIR. Technological reports on trade varieties of Indian cottons, 1941. Indian Cent. Cotton Com. Technol. Lab. Technol. Bul. Ser. A, No. 53, 103 p. Bombay, 1941. 72.9 In2332A

15788 \*ARMADA, A. DE L. Sentido imperial da politica do algodão. Moçambique 8(32): 41-49. Dec. 1942. 110 M71

Policy of development of cotton production.

15789 BAER, F. L. War Food Administration announces Government hemp program for 1944. Cord Age 41(1): 5-6. Jan. 1944. 73.8 C812

15790 BARKER, H. D., GREATHOUSE, G. A., and MARSH, P. B. The problem of standardizing test methods for mildew and rot resistant treatments of textiles. ASTM Bul. 126, p. 32-34. Jan. 1944. 290.9 Am34B

15791 \*BINET, R. E. Pelleteries et fourrures; coporation nationale et internationale. Exportateur Français 28(1109): 1. Apr. 2, 1943. 280.8 Ex6

On the French fur industry and its importance.

15792 BUTLER, EUGENE. Scarce seed, surplus lint complicate cotton problem. Prog. Farmer, Tex. Ed. 59(3): 14, 52. Mar. 1944. 6 T311

15793 CASARES, C. A. La medulación y los diámetros en las fibras de lanas. Res 11: 14.382. May 20, 1943. 286.85 R31

15794 CATUCCI, E. B. Wool has gone to war. Sheep and Goat Raiser 24(5): 23. Feb. 1944. 45.8 Sh3

15795 \*CHR., K. Veränderungen der oberflächenstruktur von flockenbast durch aufschlussverfahren, avivage, mechanische vor- und nachbearbeitung. Klopzig's Textil-Ztschr. 46: 4-9. Jan. 6, 1943. 304.8 K67

15796 CRANE, J. C. Soft fiber from roselle. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 27-29, 32. Feb. 1944. 1 F752A

Includes fiber extraction methods.

15797 DEVORE, P. T. Co-ops meet call for more flax fiber. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 6-7. Jan. 1944. 166.2 N47

Flax production by cooperative associations in Oregon.

15798 DILLMAN, A. C. The international outlook for flax. Grain and Feed Rev. 33(6): 22. Feb. 1944. 280.28 C78

15799 \*DOELLEN, WOLFRAM. Die flachswirtschaft im Ostland. Ostwirtschaft 32: 37-38. Mar. 1943. 280.8 Os7

Includes statistics of area, and seed and fiber production.

15800 \*ECKER, J. Betrachtungen zu den mechanischen einflüssen bei der aufbereitung von bastfasern. Allg. Textil-Ztschr. 1: 207-212. Oct. 9, 1943. 304.8 A15

15801 FRYBARGER, ARLINGTON. Will laboratory research reinstate lost cotton markets? Cotton and Cotton Oil Press 45(5): 5, 12. Feb. 26, 1944. 304.8 C822

15802 GONZALES VILLANUEVA, ULÍSES. La explotación del bagazo de henequén; nueva fuente de ingresos y de trabajo en el estado. Mag. Financ. Ilus. "Yucatán" 1(3): 12. Dec. 1, 1943. 73.8 M27

The bagasse may be used for fuel and alcohol production. Extraction methods are described.

15803 \*GONZÁLEZ, FELIPE. Necesidad de incrementar la producción sedera nacional. Surco [Madrid], No. 6, p. 8-9. Aug. 1942. 15 Su7

Suggests a program of development for Spain.

15804 HALLOCK, ERNA. Milkweed helps solve fiber problem. Pulp and Paper Mag. Canada 45(2): 99-100. Feb. 1944. 302.8 P96

Utilization of floss from the milkweed seed pod.

15805 HALLS, E. E. The future possibilities of ethyl cellulose. Plastics 8: 57-64. Feb. 1944. 309.8 P693

15806 HAWKER, H.W. Ramie. Chemurg. Digest 3: 45, 47-48. Feb. 15, 1944. 381 N213Na

15807 HILLIARD, A. W. Wool top futures and the ending of the war. Sheep and Goat Raiser 24(5): 18, 24. Feb. 1944. 45.8 Sh3

15808 \*INDIAN CENTRAL COTTON COMMITTEE. Exports by sea of Indian raw cotton classified by varieties, 1940-41 season. Indian Cent. Cotton Com. Statis. Leaflet, No. 4 (8th issue, 1940-41), 4 p. Bombay, 1941. 72.9 In233St

15809 \*INDIAN CENTRAL COTTON COMMITTEE. Receipts at mills in India of raw cotton classified by varieties, 1940-41 season. Indian Cent. Cotton Com. Statis. Leaflet, No. 3 (8th issue, 1940-41), 6 p. Bombay, 1942. 72.9 In233St

15810 \*INDIAN CENTRAL COTTON COMMITTEE. Report on the accuracy of the all-India cotton forecast of 1940-41 season. Indian Cent. Cotton Com. Statis. Leaflet, No. 5 (8th issue, 1940-41), 9 p. Bombay, 1942. 72.9 In233St

15811 \*INDIAN CENTRAL COTTON COMMITTEE. Report on the staple length of the Indian cotton crop of 1940-41 season. Indian Cent. Cotton Com. Statis. Leaflet, No. 1 (8th issue, 1940-41), 9 p. Bombay, 1941. 72.9 In233St



15812 \*INDIAN CENTRAL COTTON COMMITTEE. Stocks of Indian raw cotton held in India by the mills and the trade on 31st August, 1941. Indian Cent. Cotton Com. Statis. Leaflet, No. 2 (8th issue, 1940-41), 10 p. Bombay, 1942. 72.9 In233St

15813 \*INDIAN CENTRAL COTTON COMMITTEE. Supply and distribution of the various types of Indian cotton during the season of 1939-40. Indian Cent. Cotton Com. Statis. Bul., No. 10 (1939-40), 30 p. Bombay, 1941. 72.9 In233S

15814 \*INDIAN CENTRAL COTTON COMMITTEE. Supply and distribution of the various types of Indian cotton during the season of 1940-41. Indian Cent. Cotton Com. Statis. Bul., No. 11(1940-41), 25 p. Bombay, 1942. 72.9 In233S

15815 \*JUSTIN-MUELLER. Blanchiment des tissus de coton par insufflation d'air atmosphérique dans un bain dilué de soude caustique. Rev. de Prod. Chim. 46: 133-134. Sept. 15/30, 1943. 383 R327

15816 KUGLER, W. P. La elaboración de fibra de lino en el país. Campo [Buenos Aires] 28(326): 34. Dec. 1943. 9 C15

15817 LEE, F. W. Lee sees wool as vital factor in war and peace in comprehensive annual report to 41st convention of the New Mexico Wool Growers Association. N. Mex. Stockman 9(2): 22-24. Feb. 1944. 49 N462

15818 MARRINER, K. W. [Disposition of U. S.-owned stockpile of foreign wool.]. Wyo. Wool Grower 8(3): 5-6. Feb. 10, 1944. 280.38 W99

Also in Colo. Wool Grower and Marketer 9(12): 8-9. Feb. 1944. 280.38 C71

15819 NATIONAL COTTON COUNCIL OF AMERICA. [Resolutions and recommendations, annual meeting, 1943?]. Natl. Cotton Council Amer. Prog. Bul., Feb. 15, 1944, p. 4-6, 10. (Gen. Bul. No. 46) 281.3729 N212P

15820 \*NORRIS, P. K. Cotton's post-war problem. Nation's Agr. 19(2): 8, 22. Feb. 1944. 280.82 B89

15821 \*OPITZ, H. Flachsverarbeitung in Siebenbürgen. Klepzig's Textil-Ztschr. 46: 26-27. Jan. 6, 1943. 304.8 K67

15822 PONCELET, A. Systems of processing [wool], English and continental methods compared. (Cont.) Wool Rec. & Textile World 65: 92-94. Jan. 20, 1944. 45.8 W884

15823 SCOTT, G. E. Post-war marketing of wool. The value of a proved system. Wool Rec. & Textile World 65: 172, 174, 176. Feb. 3, 1944. 45.8 W884

15824 SCRUB PALMETTO, new raw material for post-war products. Mod. Indus. 7(1): 38-39. Jan. 15, 1944. 280.9 M72

Uses of the pith and fiber of the plant.

15825 SNOW, C. F. Grade your Angora wool. Mod. Poultry Keeping 50: 119. Feb. 1944. 47.8 Eg3

15826 \*TOBLER. Herkunft und gewinnung von bindebast. Allg. Textil-Ztschr. 1: 199-200. Oct. 9, 1943. 304.8 A15

15827 \*TOBLER, FRIEDRICH. Palmfasern. Klepzig's Textil-Ztschr. 46: 1-4. Jan. 6, 1943. 304.8 K67

Types and uses of palm fibers.

15828 TROUBLES of king cotton: Threat in growing surplus; synthetics and foreign competition as future dangers to growers. U. S. News 16(10): 53-54, 56. Mar. 10, 1944. 280.8 Un33A

15829 U. S. BUR. OF THE CENSUS. Cotton production and distribution, season of 1942-43. U. S. Bur. Census Bul. 180, 56 p., processed. Washington, 1943. 157.41 B89

15830 VAIDYANATHAN, P. Future of wool. (Concl.) N. S. Wales. Dept. Agr. State Market. Bur. Weekly Market. Notes 55: 276-277, processed. Dec. 1, 1943. 286.8 N47

The post-war industry in Australia.

15831 VIEIRA, G. V. N. A lã e suas propriedades. (Cont.) Rev. Agron. [Brazil] 7: 538-541. Oct. 1943. 9.2 R325

15832 WATSON, ALFRED. Jute--the monopoly of Bengal. Gt. Brit. and the East 61(1708): 15-16. Feb. 1944. 286.8 N27

15833 WEISS, A. L. Comercialización de las lanas. Fed. Rural, Uruguay. Rev. (3ra época) 6(25): 123-124, 126-128, 130-132. Oct. 1943. 9.9 R322

15834 WHITFORD, A. C. Determination and uses of legume family fibers. (Cont.) Textile Age 8(2): 72, 74, 76, 78, 80. Feb. 1944. 304.8 T3132

#### FRUITS, VEGETABLES, AND NUTS

15835 BATISTA, A. DE J. Santiago - uma boa uva para corte. Rev. Agron. [Brazil] 7: 554. Oct. 1943. 9.2 R325

Value of [this variety for wine manufacture.

15836 BAUM, L. C., JR. Cooperatives as "others see it." Guide Post 21(1): 10-11, 30. Jan. 1944. 75.8 G94

Work of the Pennsylvania Cooperative Potato Growers' Association.

15837 BENTON, R. J. Post-war reconstruction of the Australian citrus industry. Citrus News 19: 185, 190-191. Dec. 1943. 80 C494

15838 CABEZA DE VACA, JESÚS. De la intensificación del cultivo de legumbres. Ceres [Spain] 4(42): 27. Dec. 1, 1939. 15 C33

Implications of the policy for the Spanish farmer.

15839 CASTRO, RODOLFO. Cultivo del pimiento (Capsicum annum, L.) y su industrialización en la Provincia de Mendoza. Argentina. Min. de Agr. Bol. Frutas y Hortalizas, v. 8, No. 87, 62 p. June 1943. 286.83 Ar32

Includes cost of producing peppers, their drying for paprika, and paprika manufacture.

15840 CHANDLER, JOHN. The apple institutes during war. Va. Fruit 32(1): 26-31. Jan. 1944. 81 V81B

Promotional work of apple organizations.

15841 GROCE, F. M. El níspero común; una fruta poco difundida. Rev. Mens. B. A. P. 26(311): 41-43, 45-46. Oct. 1943. 9 R326

Includes harvesting and packing and statistics of shipments.

15842 \*EAUBONNE, GÉRARD D'. Évolution de la production des jus de fruits en 1942 [France]. Prog. Agr. et Vitic. 119: 39-41. Jan. 25/31, 1943. 14 P94

15843 \*GARCÍA ROMERO, ANTONIO. La naranja, riqueza de levante, factor esencial de nuestra economía Surco [Madrid] 2(12): 15, 18. Feb. 1943. 15 Su7

15844 \*GRIESBECK. Was wird heute aus der kartoffel alles gemacht. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 489. Sept. 4, 1943. 18 B34W

15845 HEBERT, J. W. Manager's report on operations of the Yakima Fruit Growers Association, 1943. "Big Y" Bul. 20(3): 1, 4-7. Feb. 1944. 286.83 B48

15846 HENDRICKSON, R. F. Vegetables for war--and peace. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 113-114, 116-124. 81 V52

15847 LEMBO, F. E. Contribución al estudio del aprovechamiento de los subproductos de la uva. Montevideo. Univ. Facult. de Agron. Rev., No. 32, p. 203-238. May 1943. 102.5 M76R

15848 MASUROVSKY, B. I. Tangerines - their use in sherbets and ices. Ice Cream Trade Jour. 40(2): 56, 90. Feb. 1944. 389.8 Ic2



15849 PEREZ, G. R. La papaina. Agr. del Norte 27: 688. Oct. 1943. 9.3 Sol4  
Uses for papaya and papain.

15850 RIVAS, J. G., and VITORIA, J. C. La industria del jugo de naranja en el país; calidad de los productos comerciales. Buenos Aires. Univ. Nac. Inst. de Indus. Agr. [Pub.], Tomo 1, Fasc. 1, 23 p. Buenos Aires, 1942. 281.9 B861

15851 ROOKER, W. A. Jugos de frutas concentrados. Hacienda 39: 96. Feb. 1944. 6 H11

15852 SPITLER, J. C. The value of organization to vegetable growers. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 47-54. 81 V52

15853 TAYLOR, P. R. Interpretation of current Government regulations affecting the vegetable grower. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 8-21. 81 V52

15854 \*VENDRELL, ROBERTO. El olivo y el aceite. Surco [Madrid], No. 9, p. 6. Nov. 1942. 15 Su7  
Quality and price stabilization.

15855 WATERS, L. E. Potato stocks at record high--whites now at support level. Colo. Potato Grower 21(8): 1, 3. Feb. 1944. 75.8 C71

15856 WHITACRE, JESSIE, and others. Eating quality and some aspects of composition of turnip greens at successive stages of growth. Food Res. 9: 42-55. Jan./Feb. 1944. 389.8 F7322

G. S. Fraps, S. H. Yarnell, and A. G. Oberg, joint authors.

15857 WIEGAND, E. H. The future of the filbert. Food Manufacture 18: 409-412. Dec. 1943. 389.8 F736

15858 WILCOX, F. R. The citrus outlook. Calif. Cult. 91: 113, 124-126. Mar. 4, 1944. 6 C12

15859 WOOSTER, CARL. The 1944 vegetable program. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 84, 86, 88-92, 94, 96-98, 100, 102, 104, 106, 108, 110, 112. 81 V52

15860 YOUNG, W. F. [Criticism of Government regulation of the fruit-growing industry.] Va. Fruit 32(1): 9-12. Jan. 1944. 81 V81B

#### Distribution, Marketing, and Transportation

15861 JONES, H. R. Co-operative organisation for the marketing of dried fruits. Austral. Dried Fruits News 20(4): 16-17. Dec. 1943. 286.83 Au72

15862 KITCHEN, C. W. Distribution of fresh fruits and vegetables in wartime. Calif. Fruit News 109(2902): 4-5, 9-11. Feb. 19, 1944. 80 C12

15863 NAPOLI, P. J. Handling perishable traffic. Blue Anchor 21(1): 16-17, 36, 37, 38, 39. Feb. 1944. 286.83 B62

#### Handling and transportation of fresh fruit.

15864 WOOSTER, C. G. The 1944 FDA program for apples. Va. Fruit 32(1): 88-96. Jan. 1944. 81 V81B

#### Grading, Inspection, Standardization, and Quality

15865 ARMITAGE, F. D. The microscopy of vegetable foods and drugs. Part II-III. Preparation of samples for examination. Indus. Chem. and Chem. Mfr. 20(228): 14-19; (229): 66-70. Jan., Feb. 1944. 382 In22

15866 PULLEN, W. E. Grade quality of potatoes sold at wholesale, Buffalo and Rochester, 1940-41 and 1941-42 seasons. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3553-3554. Feb. 1944. 280.8 C812

15867 SORIANO, A. M. DE. Inspección de frutas secas y desecadas del comercio. Rev. Argentina de Agron. 10: 385-395. Dec. 1943. 9 R327

Results of inspection of 125 samples of dried fruits.

#### Industrial Utilization

15868 MARSH, G. L. Recovery of tartrates from winery wastes. Wine Rev. 12(2): 10-12, 23-24, 26. Feb. 1944. 390.8 W722

15869 MEISS, P. E., TREADWAY, R. H., and SMITH, L. T. White potato starches. Indus. and Engin. Chem., Indus. Ed. 36(2): 159-163. Feb. 1944. 381 J825

15870 \*NÈGRE, EDOUARD. Comment déterminer la teneur des marcs en alcool? Prog. Agr. et Vitic. 120: 204-207. Nov. 7/14, 1943. 14 P94

#### Packing and Packaging

15871 CAREY, L. C. Wooden containers: scarce. U. S. War Food Admin. Market. Activ. 7(1): 17-19, processed. Jan. 1944. 1.942 ASM34

Containers for fresh fruits and vegetables.

15872 GREGORY, J. H. Wartime fruit cases. Queensland Agr. Jour. 57: 344-346. Dec. 1, 1943. 23 Q33

15873 HECKMAN, J. H. Containers for fresh fruits and vegetables. Va. Fruit 32(1): 107-111. Jan. 1944. 81 V81B

15874 MICKLEM, T., DU PREEZ, D., and BLACK, M. W. Peach packing experiments conducted during the 1942-43 season. Farming in So. Africa 18: 873-879. Dec. 1943. 24 So842

15875 MICKLEM, T., DU PREEZ, D., and BLACK, M. W. Plum packing experiments during the 1942-43 season. Farming in So. Africa 18: 857-866. Dec. 1943. 24 So842

#### Prices, Price Control, and Rationing

15876 BUSH, G. W. Vegetable ceilings displease Florida growers. Market Growers Jour. 73: 84, 94, 101. Mar. 1944. 6 M34

15877 CLARK, J. H. [New Jersey] Small Fruits Council takes action on berry ceilings. N. J. State Hort. Soc. News 25: 1549, 1554. Jan. 1944. 81 N46

15878 KLEIN, FRANK. [Regulation of vegetable prices.] Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 4-8. 81 V52

15879 MILLER, C. R. Activities in the apple price ceiling and diversion orders. Va. Fruit 32(1): 82-87. Jan. 1944. 81 V81B

15880 RICHARD, W. Cotizaciones de frutas y hortalizas de Cuyo en los mercados mayoristas de Buenos Aires. Rev. Mens. B. A. P. 27(314): 23, 25-27. Jan. 1944. 9 R326

Figures for November 15 to December 15, 1943.

15881 SCOVILLE, G. P. Apple prices and pricing of apples by Government. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3537-3541. Feb. 1944. 280.8 C812

15882 TAYLOR, P. R. Price control in fruits and vegetables. Nation's Agr. 19(3): 9, 19, 20, 22. Mar. 1944. 280.82 B89

#### Processing and Storage

15883 \*ALABOUVETTE. La conservation des pommes de terre de consommation. Prog. Agr. et Vitic. 120: 160-161. Oct. 17, 1943. 14 P94

Handling and storage.

15884 AUSTRALIAN DRIED FRUITS ASSOCIATION. CONSULTATIVE COMMITTEE. Review of dried fruits industry; memorandum submitted to Rural Industries Reconstruction Committee. Austral. Dried Fruits News 20(3): 13-14. Sept. 1943. 286.83 Au72

Includes history of the industry, marketing methods and legislation, production and consumption, and post-war expansion.

15885 AUSTRALIAN DRIED FRUITS ASSOCIATION. FRUIT PROCESSING COMMITTEE. The drying and processing of prunes. Austral. Dried Fruits News 20(1): 10. Jan. 1943. 286.83 Au72



- 15886 BAKER, G. L., and WOODMANSEE, C. W. Polyphosphates in the extraction of pectin. *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 164-165, 185. Feb. 1944. 389.8 F94
- 15887 BANANA boom. *Pan American* 4(8): 36. Jan. 1944. 280.8 F192
- Dehydration of bananas in Central America and Brazil
- 15888 BETTENAY, W. J. Home preservation of citrus juices. *West. Austral. Dept. Agr. Jour.* (Ser. 2) 20: 217-218. Sept. 1943. 23 W52J
- 15889 BRYANT, E.F., PALMER, G.H., and JOSEPH, G.H. Determination of pectin in biological materials. Modification of pentose-furfural method. *Indus. and Engin. Chem., Analyt. Ed.* 16: 74-76. Jan. 15, 1944. 381 J825
- 15890 CALDWELL, J. S., and CULPEPPER, C. W. Further studies in utilization of eastern freestone peaches. I. Studies of canning quality. *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 170-173, 186-187, 191. Feb. 1944. 389.8 F94
- 15891 \*CHENEVIER, R. Le séchage par rayonnement infra-rouge. *Prog. Agr. et Vitic., Est-Centre Ed.* 127: 99-101. Mar. 21/28, 1943. 14 P94
- Dehydration of fruits and vegetables with infrared rays.
- 15892 CLARK, R. J. A new method of food preservation—dehydration. *Guide Post* 21(2): 12-13. Feb. 1944. 75.8 G94
- Dehydration of potatoes by Northwestern Potato Cooperative Association, of North Girard, Pa.
- 15893 CROCE, F. M. Algunos productos que se pueden obtener de las peras. *Vinos, Viñas y Frutas* 39: 188-190. Nov. 1943. 9 Ag89
- Methods of preserving pears.
- 15894 CROCE, F. M. Desecación natural de frutas. *Mendoza, Argentina. Min. de Econ., Obras Páb. y Riego. Dir. de Indus. y Fomento Agr. Secc. Fomento Agr. e Indus. Bol.* 29, 177 p. Mendoza, 1943. Ref. 9 M52
- Contains a chapter on alterations in dried fruits.
- 15895 DEMARÍA MASSEY, DELIO. Conservación de verduras al natural. *Rosario, Argentina. Bolsa de Com. Bol. Ofic.* 31(765): 3-4. Nov. 30, 1943. 287 R71
- 15896 DODDS, J. E. Food processing in wartime. *Amer. Grocer* 151(8): 26-31. Feb. 23, 1944. 286.83 Am32
- Processing of fruits and vegetables.
- Also in *Canner* 98(14): 34-36. Mar. 4, 1944. 286.83 C16
- 15897 \*DROBOTOV, V. Prostejšie sposoby sushki kartofeliá i ovoshcheí. Simplest methods of drying potatoes and vegetables. *Sovkhoznoe Proizvodstvo* 3(8): 36-38. Aug. 1943. 20 So85
- 15898 DRYING of sultanas; directions for cold dip. *Austral. Dried Fruits News* 20(1): 12. Jan. 1943. 286.83 Au72
- Prepared by the staff of the Commonwealth Research Station at Merbein.
- 15899 ESTIMATING tunnel-dehydrator drying capacity with drying-rate nomographs. 1. Riced white potatoes. *Canner* 98(10): 14-16, 22. Feb. 5, 1944. 286.83 C16
- 15900 GERMAIN, L. G. The Blair process for fancy postwar pea packs. *Food Packer* 25(3): 32-33. Feb. 15, 1944. 285.83 C155
- 15901 GUENDULAIN, N. Conservación de higos, procedimiento Imbert. *Campo [Buenos Aires]* 28(326): 39. Dec. 1943. 9 C15
- 15902 \*IAKUSHKIN, I. O vozdušnoy sushke sakharnoi svekly i kartofeliá. Concerning the drying of sugar beet and potatoes by air. *Sotsialist. Sel'sk. Khoz.* 14(10/11): 50-57. Oct./Nov. 1943. 281.8 So73
- 15903 THE INSIDE story of frozen prunes. *Wooden Barrel* 12(6): 7, 16. Feb. 1944. 99.82 W854
- Based on paper given by Robert Ireland at the annual meeting of the Northwest Frozen Food Association, Seattle, Wash., Jan. 25, 1944.
- 15904 JONES, F.W. Steps in onion dehydration. *Quick Frozen Foods* 6(7): 73, 79. Feb. 1944. 389.8 Q4
- 15905 \*KOZLOVSKIY, A. Zimnee khranenie kormovykh korneplodov v Sibiri. Winter storage of fodder root crops in Siberia. *Sotsialist. Sel'sk. Khoz.* 14(10/11): 58-59. Oct./Nov. 1943. 281.8 So73
- 15906 \*LUBARSKIY, L. Navoe v sushke ovoshcheí i kartofeliá. Something new in drying of vegetables and potatoes. *Sovkhoznoe Proizvodstvo* 3(6/7): 24-25. June/July 1943. 20 So85
- 15907 LYON, A. V. The [Australian] dried fruits industry in wartime. *Austral. Dried Fruits News* 20(1): 11. Jan. 1943. 286.83 Au72
- 15908 M., W. W. Home drying of vegetables. *Planters' Chron.* 38: 522-524. Dec. 18, 1943. 22 P693
- 15909 MATTHEWS, G. D. Drying vegetables; steps which may be taken to conserve home grown products and type of dryer which may be used. *Country Guide* 62(6): 46, 61. June 1943. 7 G76
- 15910 METHODS of obtaining liquid apple pectin concentrate made available by WRRL [Western Regional Research Laboratory]. *West. Canner and Packer* 36(2): 37, 39, 41. Feb. 1944. 286.83 W522
- Based on a report by R. M. McCready and W. D. MacLay, issued by the Western Regional Research Laboratory of the U. S. Department of Agriculture.
- 15911 \*METLITSKIY, L. Kvashenie kapusty i pomidorov. Pickling of cabbage and tomatoes. *Sel'so (Ser. Kolkhoz. Zeml.)*, v. 12, No. 225/226, 4 p. Oct. 1943. 20 Se48
- 15912 MRAK, E. M. Deshidratación de frutas en orejones. *Hacienda* 39: 81. Feb. 1944. 6 H11
- 15913 MUELLO, A. C. Elaboración casera de jugo de uva. *Pampa Argentina* 17(196): 4-5. Dec. 1943. 9 P19
- 15914 \*NÈGRE, E. Une méthode simple de conservation des fruits. *Prog. Agr. et Vitic.* 119: 173-174. May 23/30, 1943. 14 P94
- 15915 NEUBERT, A. M. The effect of concentration on the composition and properties of rediluted apple juice. *Fruit Prod. Jour. and Amer. Food Mfr.* 23: 166-169. Feb. 1944. 389.8 F94
- 15916 NEUSBAUM, C. W. Quality control of tomato products. 3-4. *Canner* 98(11): 15-16, 34; (12): 22, 24, 26, 48. Feb. 12, 19, 1944. 286.83 C16
3. Chili sauce and catsup. Feb. 12; 4. The consistency of catsup. Feb. 19, 1944.
- 15917 \*NOUBURY. Desecación de frutas y verduras. *Surco [Madrid]*, No. 5, p. 2-3. July 1942. 15 Su7
- 15918 PEILE, R.M. Home drying of plums and apricots. *Victoria Dept. Agr. Jour.* 42(1): 38-39. Jan. 1944. 23 V66J
- 15919 PEILE, R. M. Marmalade. *Indian Farming* 4: 377-379. July 1943. 22 In283
- Processes in making marmalade.
- 15920 POWELL, A. A. Storage of onions. *New Zeal. Jour. Agr.* 68(1): 7. Jan. 15, 1944. 23 N48J
- 15921 PRIEGO, J. M. Aceitunas de conserva y los olivos de fruto de mesa. (Concl.) *Vinos, Viñas y Frutas* 39: 191-195. Nov. 1943. 9 Ag89
- Methods of preparation.
- 15922 \*SABALITSCHKA, TH. Zur giftwirkung der bucheckern. *Switz. Eidg. Gendhtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg.* 34: 243-244. 1943 389.9 Sw6
- The need for treating beechnuts and beechnut flour for human or animal consumption so that they are protected from mold.



15923 \*TROIAN, A. F. Spособ otkrytogo transhevanifa ovoshchei [Method of storing vegetables in open trenches]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 221/222, 3 p. Oct. 1943. 20 So48

15924 U. S. WESTERN REGIONAL RESEARCH LABORATORY. Analysis of processing costs in vegetable dehydration Fruit Prod. Jour. and Amer. Food Mfr. 23: 174, 179, 189. Feb. 1944. 389.8 F94

15925 \*USPENSKIĬ, E., and MASTEROVA, E. Sushite kartofel' i korneplody, ne raskhoduiâ topliva. Sovkhoznoe Proizvodstvo 3(10/11): 47-48. Oct./Nov. 1943. 20 So85

Describes sun and frost methods of drying potatoes and other root crops.

15926 WEGELE, JANICE. From Victory garden to locker--for victory. Locker Operator 6(7): 10-11, 41. Feb. 1944. 295.8 L79

Instructions for freezing and storing vegetables.

15927 WILLIAMS, K.T., and JOHNSON, C.M. Determination of soluble pectin and pectic acid by electrodeposition. Indus. and Engin. Chem., Analyt. Ed. 16: 23-25. Jan. 15, 1944. 381 J825

#### Statistics

15928 AUSMAN, L. H. United States potato production in 1943. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 121-124. Feb. 12, 1944. 286.8 C16

Statistics of merchantable and seed potatoes.

15929 RICHARD, W. La producción de frutas y hortalizas de Mendoza y San Juan en los mercados mayoristas de la Capital Federal [Argentina]. Rev. Mens. B. A. P. 26(312): 47-50. Nov. 1943. 9 R326

#### GRAIN AND GRAIN PRODUCTS

15930 ALLUE, ANTONIO. ¿Qué es y qué hace la Comisión de Granos y Elevadores de la República Argentina? Ceres [Spain] 5(48): 16-17; (49): 8-9. June 1, July 1, 1940. 15 C33

15931 ALLUE, ANTONIO. Será negocio la industria harinera? Ceres [Spain] 5(45): 11-12. Mar. 1, 1940. 15 C33

Future possibilities of the Spanish flour industry.

15932 ANTON GARCÍA, PAULINO. Procedimientos para determinar el grado de extracción de las harinas. Ceres [Spain] 4(42): 13-17. Dec. 1, 1939. 15 C33

15933 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. DIVISIONES LABORATORIOS Y CONTRALOR DEL COMERCIO E INVESTIGACIONES ECONÓMICAS. La producción argentina de trigo en la campaña 1942/43. Argentina. Comisión Nac. de Granos y Elevadores. Bol. Inform. 7: 471-485. Nov. 15, 1943. 286.81 Ar3

A statistical survey.

15934 ARMS, EUGENE. Spontaneous combustion in distillers grains. Grain & Feed Jours. Consolidated 92: 141. Feb. 23, 1944. 298.8 G762

15935 \*AUFHAMMER, G. Die kleberweizenuntersuchungen 1942/43 in Weihenstephan. Ztschr. f. das Gesam. Getreidew. 30: 90-94. July/Sept. 1943. 59.8 Z3

Analysis of glutenous wheats.

15936 LA AYUDA que presta el agricultor a los centros de producción. Puerto Rico. Dept. Agr. y Com. Bol. Mens. 2(12): 2-6. Dec. 1943. 8 P963

By the "Negocialo de Agricultura."

Describes the Production Centers of the Department of Agriculture and Commerce and the services they offer the farmer in providing a place where he may hull rice and grind corn, thus promoting production of these products.

15937 BALLS, A. K., and HARRIS, T. H. The inhibitory effect of a protamine from wheat flour on the fermentation of wheat mash. Cereal Chem. 21(1): 74-79. Jan. 1944. 59.8 C33

15938 BILLARD, E. J. La molienda de trigo en la Argentina. Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1628): 1-2, 4, 6; (1630): 29-32. Dec. 11, 27, 1943. 287 B866

15939 CARTER, L. C. Artificial drying of combined rice. Rice Jour. 47(2): 5-7, 22. Feb. 1944. 59.8 R36

Includes description of the drying machinery.

15940 CASTILLA, F. DE. El Servicio Nacional del Trigo y el cuerpo pericial de contabilidad del Estado. Ceres [Spain] 5(49): 7. July 1, 1940. 15 C33

Financial operation of the Spanish Wheat Service.

15941 CORN still rules the farm economy. Co-op Grain Quart. 2(1): 36-45. Winter 1944. 280.28 C7898

Discusses economic importance, geographical range of cultivation, commercial classes, U. S. and world production, prices, uses, and development of hybrid varieties.

15942 DANFORTH, E. B. Montana co-ops grow with G.T.A. G.T.A. Digest 4(2): 50. Feb. 1944. 280.28 G11

Abstract of an address.

Grain cooperatives.

15943 \*DEGRULLY, P. Le juste prix. Prog. Agr. et Vitic. 119: 151-152. May 16, 1943. 14 P94

The formula used in fixing the price of wheat.

15944 \*DEGRULLY, P. L'organisation du marché des céréales et le prix du blé. Prog. Agr. et Vitic. 120: 36-38. July 25/Aug. 1, 1943. 14 P94

15945 \*DORÉ, VALENTINO. Cereal production in Europe. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.] 34: 127S-138S. Apr. 1943. 251 In8B

Statistics of grain production.

15946 \*DORÉ, VALENTINO. Yearly fluctuations of cereals yields in Europe. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.] 34: 89S-96S. Mar. 1943. 251 In8B

15947 \*DORÉ, VALENTINO. Yields of cereals in Europe. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.] 34: 34S-45S. Feb. 1943. 251 In8B

Grain production yields and trends.

15948 DUREAM, R. K. Grading wheat on the basis of endosperm protein. Amer. Miller 72(2): 40-41, 92. Feb. 1944. 298.8 Am32

15949 FARNSWORTH, H. C., and CLOUGH, M. A. World wheat survey and outlook, Jan. 1944. Stanford Univ. Food Res. Inst. Wheat Studies 20(3): 1-136. Jan. 1944. 59.8 F73

15950 FINNEY, K. F., and BARMORE, M. A. Flour blends and the question of complementary effects. Cereal Chem. 21(1): 65-74. Jan. 1944. 59.8 C33

15951 FLOUR milling three and four centuries ago. Northwest. Miller 217(6, sect.2): 16a, 20a. Feb. 9, 1944. 298.8 N51

15952 FOSTER, CRESTON. A million bushels of grain marketed in 1943 by Lee County co-operative association. Ill. Agr. Assoc. Rec. 22(2): 16-17, 22. Feb. 1944. 6 I162

15953 \*FREUDL, E. Die sudetendeutschen weizen im lichte der kleberweizenanerkennung. Ztschr. f. das Gesam. Getreidew. 30: 96-102. July/Sept. 1943. 59.8 Z3

Results of analysis of glutenous wheats.

15954 FULLER, M.P. Plans and prospects of milling industry. Southwest. Miller 22(53): 23-24. Feb. 29, 1944. 298.8 So82

15955 GIBSON, L. H. Milling 60 years ago; operation of bolting machines. Northwest. Miller 217(6, sect. 2): 17a-18a, 20a. Feb. 9, 1944. 298.8 N51



- 15956 GÓMEZ, M. R. El maíz. Cosecha de 1943. Sus efectos en el abastecimiento de México en dicho cereal para el año en curso. Medidas adoptadas para conjurar la escasez. Economista [Mexico] 10(119): 41-45. Feb. 1, 1944. 280.8 Ec793
- 15957 GREAT BRITAIN. MINISTRY OF FOOD. SCIENTIFIC ADVISER'S DIVISION. National flour and bread; fourth report. Nature [London] 153: 154-155. Feb. 5, 1944. 472 N21  
Reports the quality of flour and bread.
- 15958 HARRIS, R.H., SIBBITT, L.D., and TOMAN, HARRIETT. Varietal differences in gel strength of starch in North Dakota hard red spring wheats. Food Res. 9: 83-88. Jan./Feb. 1944. 389.8 F7322
- 15959 HARRIS, R. H., SIBBITT, L. D., and ELLEDGE, MURIEL. Varietal, station, and seasonal effects upon some properties of mixograms made from hard red spring wheat flours by various mixing methods. Cereal Chem. 21(1): 38-48. Jan. 1944. 59.8 C33
- 15960 \*HÖGL, O., and WUHRMANN, H. Über die trockensubstanzbestimmung an mehl. Switz. Eidg. Landtsamt. Mitt. aus dem Geb. Lebensmtl. Untersuch. u. Hyg. 34: 149-157. 1943. 389.9 Sw6
- 15961 HUFT, W. J. Will we fill the breadbasket? Successful Farming 42(3): 22, 36. Mar. 1944. 6 Sul2  
Prospects for the 1944 wheat crop.
- 15962 KATHAN, A. E. There's no magic co-op financing. GTA Digest 4(1): 37-40. Jan. 1944. 280.28 G11  
Annual report of the secretary-treasurer of the Farmers Union Grain Terminal Association.
- 15963 KENT, GEORGE. Revolution in rice. Reader's Digest 44(262): 50-52. Feb. 1944. 110 R  
Condensed from the Washington Post.
- 15964 KIK, M. C. La historia de la transformación del arroz. Rev. Mens. B. A. P. 27(314): 55-57. Jan. 1944. 9 R326  
A new rice milling process which produces a clean grain having the nutritive properties of unhulled rice.
- 15965 LAMB, C. A. Sifted wheat meal mixograms for selecting soft wheat varieties. Cereal Chem. 21(1): 57-64. Jan. 1944. 59.8 C33
- 15966 MACLEOD, W. A. How to mind your own business. GTA Digest 4(2): 23-25. Feb. 1944. 280.28 G11  
Tells about Canadian wheat pools.
- 15967 MAHONEY, J. J. Box cars should be routed back to granger roads. Grain & Feed Jours. Consolidated 92(3): 121. Feb. 9, 1944. 298.8 G762  
Shortage of cars for grain transportation.
- 15968 MORRIS, V. H., BODE, C. E., and HEIZER, H. K. The use of the mixogram in evaluating quality in soft wheat varieties. Cereal Chem. 21(1): 49-57. Jan. 1944. 59.8 C33
- 15969 MYERS, H. S., and WORKING, E. B. The sulphydryl groups of wheat flour. Cereal Chem. 21(1): 32-37. Jan. 1944. 59.8 C33
- 15970 O'CONNELL, T. Storage and treatment of seed wheat. Irish Agr. and Creamery Rev. (n. s.) 2(106): 12-14. Oct. 1942. 44.8 C866
- 15971 OLSON, O. L. Co-ops have a job for everyone. GTA Digest 4(1): 33-36. Jan. 1944. 280.28 G11  
Activities of the Farmers Union Grain Terminal Association.
- 15972 \*PAWELKA, KARL. Zwei jahre amtliche kleberweizenuntersuchung in den Alpen- und Donau-Reichsgauen. Ztschr. f. das Gesam. Getreidew. 30: 94-96. July/Sept. 1943. 59.8 Z3  
Results of analyses of glutenous wheats.
- 15973 PENCE, R. O. Miscellaneous notes about milling in cold weather. Northwest. Miller 217(6, sect. 2): 5a-6a. Feb. 9, 1944. 298.8 M81
- 15974 PLANTE, E. C., and SUTHERLAND, K. L. Separation of ergot from rye corn. Austral. Council Sci. and Indus. Res. Div. Indus. Chem. Indus. Chem. Cir. 4, 11 p. Melbourne. 1943. 385 Au7
- 15975 PREXLEX, MAX DE. Reflexiones de un chacarero. Buenos Aires y la Pampa 7(70): 12-13. Oct. 1943. 9 B868  
Advantages to the grower of a wheat price fixed in advance of harvesting.
- 15976 QUINTO, F. P. DE. El trigo Manitoba en el momento actual de la agricultura española. Ceres [Spain] 5(44): 15-17. Feb. 1, 1940. 15 C33  
Advantages of production.
- 15977 \*\*REED, R. R. Wild rice, America's first grain. Winona State Teachers Col. Bul., Ser. 40, No. 1, 19 p. Winona, Minn., 1943.  
Noted in Current Geog. Pubs. 7(1): 9, processed. Jan. 1944. 241.6 Am3
- 15978 SCHWAIN, F. R., and LOVING, H. J. The shortener tolerance of biscuit and self-rising flours. Cereal Chem. 21(1): 27-32. Jan. 1944. 59.8 C33
- 15979 SINGH, R. D., and SINGH, S. R. Optimum proportions of grains with wheat. Indian Farming 4: 340-345. July 1943. 22 In283  
Mixture of other grains with wheat in bread making.
- 15980 SNELL, G. F. Wheat, Italy's most important crop. Food Facts 13(6): 2-3, 4. Mar. 1944. 389.8 F734
- 15981 SOBRINO, ADELARDO. Cerealicultura y ganadería. Ceres [Spain] 4(42): 22. Dec. 1, 1939. 15 C33  
The need for intensification of wheat production and of conserving livestock resources in Spain.
- 15982 STEVENS, H. H. Canadian vs. world wheat prices. Farm and Ranch Rev. 40(2): 3. Feb. 1944. 7 F223
- 15983 STOUT, C. H. An appeal for more box cars for transporting grain. Grain & Feed Jours. Consolidated 92(3): 116. Feb. 9, 1944. 298.8 G762
- 15984 \*SUBBOTIN, K. Uspeshno organizovat' i provesti khlébosdachy. Sovkhozhnoe Proizvodstvo 3(6/7): 11-13. June/July 1943. 20 So85  
Discusses grain harvesting and the payment of the Government's share of the yield.
- 15985 SWANSON, C. O. Chemistry for the operative miller: protein quality as affected by changes in structure. Northwest. Miller 217(6, sect. 2): 10a-11a. Feb. 9, 1944. 298.8 M81
- 15986 THATCHER, M. W. 'GTA is yours to keep.' GTA Digest 4(1): 11-20. Jan. 1944. 280.28 G11  
1943 annual report of Farmers Union Grain Terminal Association.
- 15987 \*TIMM, E., and TROGNITZ, K. Die kleberweizenuntersuchungen 1942/43 der Reichsanstalt für Getreideverarbeitung. Ztschr. f. das Gesam. Getreidew. 30: 102-105. July/Sept. 1943. 59.8 Z3  
Analysis of wheat varieties for gluten content.
- 15988 O trigo no Rio Grande do Sul. Observador Econ. e Financ. 8(92): 79-92. Sept. 1943. 280.8 Ob72  
Analyzes factors in the wheat crisis, bread prices, Government policy and price-fixing.
- 15989 URBANI, G. El arroz, precioso alimento. Ceres [Spain] 5(44): 41-42. Feb. 1, 1940. 15 C33  
The position of rice in history.
- 15990 WAR MAY doom futures grain markets. Co-op Grain Quart. 2(1): 21-24. Winter 1944. 280.28 C7898



15991 \*WEISSLEIN. Die lohn- und umtausch-müllerei im wirtschaftsjahr 1943/44. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 476A-477A. Aug. 28, 1943. 18 B34W

Regulations rationing grain for milling.

15992 \*WIRZ, F. G. M. Probleme der brotnahrung im vierten kriegsjahr. Ztschr. f. das Gesam. Getreidew. 30: 80-87. July/Sept. 1943. 59.8 Z3

Nutritional, technical, and economic problems concerned with the wartime bread supply question.

15993 \*ZIMMERMANN. Untersuchung von kleberweizen des erntejahres 1942 an der Landesanstalt für landw. Gewerbe Hohenheim. Ztschr. f. das Gesam. Getreidew. 30: 87-90. July/Sept. 1943. 59.8 Z3

Results of analyses of various types of wheat for gluten content.

#### HONEY AND BEESWAX

15994 CARTER, G. A. Fermentation of honey. Scot. Beekeeper 20: 10. Jan. 1944. 424.8 Sco8

15995 KELLOGG, C. R. Specifications for Mexican honey. Amer. Bee Jour. 84: 92. Mar. 1944. 424.8 Am3

15996 MÉDICI, MIGUEL. Elaboración de vinagre de miel en la chacra. Campo [Buenos Aires] 28(326): 8-9, 63. Dec. 1943. 9 Cl5

15997 \*RUSAKOV, N. Proizvodstvo svekol'no-sakharnogo meda [Preparation of honey from sugar beet]. Sel'so (Ser. Kolkhoz. Zeml.) v. 12, No. 229/230, 4 p. Oct. 1943. 20 Sel8

15998 WALTON, G. P., and HALE, J. F. Honey sirups for bottled soft drinks. (Concl.) Natl. Carbonator and Bottler 78(472): 42-43, 72, 74, 76. Feb. 1944. 389.8 So8

See also Apiculture and Apis Mellifera in Entomology section.

#### LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products.

15999 ALLEN, H. W. Hog production and the farmer. Co-op News 17(11): 8. Nov. 1943. 280.28 Co7899

Production and price policy of the Canadian Government and the Bacon Agreement with Great Britain.

16000 \*BERRIDGE, N. J., and others. The production of rennet from living calves. Jour. Dairy Res. 13: 145-161. 1943.

J. G. Davis, P. M. Kon, S. K. Kon, and F. R. Spratling, joint authors.

Abs. in Jour. Dairy Sci. 27: A5. Jan. 1944. 44.8 J822

16001 BROWNFIELD, A. D. Brownfield points the way to a sound solution of the nation's wartime meat production problem. N. Mex. Stockman 9(2): 10, 45. Feb. 1944. 49 N462

16002 CARNES, N. K. Carnes reviews farm problems of 1943 and outlook for 1944. Coop. Shipper 24(2): 3-7. Feb. 1944. 280.38 C78

Criticizes Government regulation of the livestock and meat industry.

16003 CARNES, N. K. Central manager gives details of livestock business in 1943. Coop. Shipper 24(2): 10-13. Feb. 1944. 280.38 C78

Report on work of the Central Co-operative Association, of south St. Paul.

16004 CASTILLA, DIEGO DE. Un futuro de prosperidad nacional. Ceres [Spain] 5(45): 19. Mar. 1, 1940. 15 C33

The need for producing more horses, mules, and donkeys in Spain for working purposes.

16005 COHN, JOSEPH. The meat situation in New York City. Butchers' Advocate 115(8): 14-15. Feb. 23, 1944. 286.85 B97

Price control, rationing, and the meat supply.

16006 FERRIN, E. F. Feed shortage or pork shortage? Amer. Hampshire Herdsman 19(2): 114. Feb. 1944. 46.8 Am33

Also in Chester White Jour. 34(2): 17-18. Feb. 1944. 46.8 W582

16007 FERRIN, E. F. The outlook for hog production in 1944. Hog Breeder 14(2): 4, 32. Feb. 1944. 46.8 H672

16008 \*GLIETENBERG. Nicht nur das bedingt taugliche fleisch, sondern auch das minderwertige gehört besser verwertet. Deut. Schlachthof-Ztg. 43: 57-59. Mar. 10, 1943. 286.85 D48

16009 GOTSCHALL, G. Y. Activation of papain during digestion of meat. Food Res. 9: 6-10. Jan./Feb. 1944. 389.8 F7322

Tenderization of meat.

16010 GWYN, T. L. The beef cattle situation. Farmers Fed. News 24(7): 14. Mar. 1944. 280.28 F225

16011 HARRIS, JOHN. Pure lard; post-war planning for an ideal cooking fat. Meat 20(1): 16-17. Feb. 1944. 286.85 M464

16012 HEINEMANN, C. B., JR. How about post-war planning. V. Termination of wartime controls in the meat industry. Natl. Provisioner 110(8): 7, 26, 27. Feb. 19, 1944. 286.85 N21

16013 HILL, G. B. Livestock order of the day. Breeder's Gaz. 109(3): 5. Mar. 1944. 49 B74

Importance of livestock products in the national food supply.

16014 ILLING, E. T., and WHITTLE, E. G. Sausages containing soya grits. Food 13(149): 32-36, 42. Feb. 1944. 389.8 F738

16015 JOHNSON, E. H. Yugoslav livestock and meat surplus reduced. U. S. Off. Foreign Agr. Relat. Foreign Crops and Markets, Dec. 1943, p. 298-303, processed. 1.9 St2F

16016 LEWIS, L. H. Florida in the national livestock program. For Sale, Want and Exchange Bul. 1(11): 1. Mar. 1, 1944. 280.38 F74

16017 LOWER, E. S. Lanolin. Part I. Mfg. Chem. and Mfg. Perfumer 15: 13-16, 35. Jan. 1944. 396.8 M31

Pt. 2 in Feb. 1944 issue, p. 68-71.

16018 MEIKS, SCOTT. Our 1944 live stock dilemma. Natl. Live Stock Prod. 22(6): 5, 12. Mar. 1944. 280.38 N21

Livestock and meat supply, prices, and Government regulation.

16019 MORRISSEY, W. J. Analyzing the livestock situation. Sheep and Goat Raiser 24(5): 32-33. Feb. 1944. 45.8 Sh3

16020 MORRISSEY, W. J. No excess of beef in sight anywhere; monthly slaughter of more than a million head not adequate to supply current needs--many feeders sell without replenishing lots--short crop of green cattle. Amer. Hereford Jour. 34(20): 5. Feb. 15, 1944. 43.8 Am32

16021 \*MÜLLER, MAX. Hundert jahre pferde-fleischgenuss in Deutschland. Eine kulturhistorische betrachtung. Deut. Schlachthof-Ztg. 43: 101-104. May 15, 1943. 286.85 D48

16022 \*MÜLLER, MAX. Die rechtlichen begriffe des LMG. und FBG. für die bewertung von lebensmitteln tierischer herkunft. Deut. Schlachthof-Ztg. 43: 15-17. Jan. 25, 1943. 286.85 D48

Terminology for the description of meat products.



16023 OUTLOOK for cattle raising in the [South-eastern States]. Fed. Reserve Bank of Atlanta. Monthly Rev. 29: 9-11. Feb. 29, 1944. 284.8 F31A

16024 PIÑO, HUMBERTO DEL. Necesidad de fomentar la ganadería en Chile. Agrario [Santiago, Chile, 8(322): 4, 12. Aug. 31, 1943. 9.3 Ag85

Includes a six-point program for the industry.

16025 POLLOCK, R. C. The Army learns about meat. West. Livestock Jour. 22(18): 17, 78. Feb. 15, 1944. 6 F2278

The National Livestock and Meat Board's program for training of Army men to handle and prepare meat.

16026 POLLOCK, R. C. Meat in the war and the post-war. Butchers' Advocate 115(8): 11-12. Feb. 23, 1944. 286.85 B97

Abstract of an address.

16027 SANZ EGANA, C. Cómo reconocer las alteraciones de los embutidos; a qué se deben las principales modificaciones que tornan incomedibles estos productos. Res 11: 14.074-14.075. Feb. 20, 1943. 286.85 R31

16028 \*SCHMIDT, WILLY. Das verhältnis lebendgewicht; hautgewicht; eine positive errechnung des lebendgewichts auf grund des hautgewichts ist angesichts der vielen unsicheren faktoren unmöglich. Deut. Fleischer-Ztg., No. 63, p. 1-2. May 12, 1943. 286.85 D482

16029 SCOTT, THOMAS. Balfour Hill Sheep Report. Scot. Farmer 52: 291. Jan. 22, 1944. 10 Sco8

Includes policy, subsidies, and organization of markets in the industry.

16030 SOULEN, H. B. [Problems of sheep and wool growers.]. Idaho Wool Growers Bul. 23(2): 1, 4-5. Jan. 26, 1944. 280.28 Id1

16031 STROHM, J. L. Pride and prejudice in the Argentine. Pan American 4(8): 31-35. Jan. 1944. 280.8 P192

The Argentine beef industry and the question of United States purchases of beef.

16032 SWIFT & COMPANY. AGRICULTURAL RESEARCH DEPARTMENT. Hog production and pork consumption in the United States. Hog Breeder 14(2): 8, 10, 24. Feb. 1944. 46.8 H672

16033 TURNER, H. S. E. Rationalisation of stock slaughtering. Farmer's Weekly [Bloemfontein, 66: 663. Dec. 22, 1943. 24 F225

The British meat and livestock control scheme and the problem of byproducts utilization.

16034 WATSON, M. A. Postwar thoughts on the leather industry. Shoe and Leather Rptr. 233(7): 14-17, 25. Feb. 12, 1944. 303.8 Sh7

16035 WICKARD, C. R. How about post-war planning. IV. The meat, industry's post-war job and opportunities. Natl. Provisioner 110(7): 13-14, 38. Feb. 12, 1944. 286.85 N21

16036 WINDER, G. N. [Problems of sheep and wool growers.]. Wyo. Wool Grower 8(3): 1, 6-7. Feb. 10, 1944. 280.38 W99

Also in Natl. Wool Grower 34(2): 9-10. Feb. 1944. 45.8 N21N

#### Distribution, Marketing, and Transportation

16037 BISSON, J.-E. Perspectives sur la vente de notre bacon. Terre de Chez Nous 14, 1. e. 16 (12): 23. Dec. 22, 1943. 7 T27

Canadian bacon sale prospects.

16038 CROW, N. R. Livestock markets. West. Livestock Jour. 22(18): 16, 82, 83. Feb. 15, 1944. 6 F2278

16039 CURTIS, N. The co-operative method of livestock marketing. Co-op News 17(11): 9-10. Nov. 1943. 280.28 Co7899

16040 FISHER, R. E. Equity Cooperative Livestock Sales Association; State-wide [Wisconsin] co-operative sales agency services 45,000 farmers. Dairyland News 14(4): 1, 2, 5. Feb. 28, 1944. 280.28 W752

History of the organization and its work.

16041 \*GRÜTTNER. Viehqualität und abnahmeverpflichtung; taugliches und nichttaugliches fleisch im sinne des fleischbeschaugesetzes und im sinne der Marktordnung. Deut. Fleischer-Ztg., No. 62, p. 1. May 5, 1943. 286.85 D482

16042 HARDENBERGH, WESLEY. Lookit! your pork at Nikopol. Breeder's Gaz. 109(3): 12-13. Mar. 1944. 49 B74

Information on pork products supplied to Russia through Lend-Lease.

16043 HOW ABOUT post-war planning. VI. The meat, packer's post-war markets. Natl. Provisioner 110(9): 10-11, 35. Feb. 26, 1944. 286.85 N21

16044 \*HW. Ein jahr staatliche regelung des schlachtviehmarktes. Schweiz. Bauernztg, 43: 33-34. Sept. 1943. 280.28 Sch93

16045 LARSON, A. L. Sale of livestock by Oklahoma farmers. Okla. Agr. Expt. Sta. Current Farm Econ. 17(1): 20-24. Feb. 1944. 100 Ok4

Statistics.

16046 LECKIE, H. K. Another year of bacon history. Econ. Annal. 14(1): 16-20. Feb. 1944. 280.8 Ec75

Bacon exports from Canada under the agreement with Great Britain.

16047 RILEY, BOB. "To feed or not to feed" is problem puzzling folks in the Corn Belt area around Kansas City. N. Mex. Stockman 9(2): 26, 32. Feb. 1944. 49 N462

Livestock marketing and prices.

16048 STARK, D. H. Are livestock shipping associations back in the picture? U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 16. Jan. 1944. 166.2 N47

16049 STRAUSS, G. D. Marketing and slaughtering facilities at Memphis [Tenn.]. South. Stockman 4(2): 66-67. Feb. 1944. 49 So83

Excerpts from an address.

16050 TODOROFF, ALBERT. Packaged meats in your post-war meat market. Meat Merchandising 20(2): 30-33, 76-78. Feb. 1944. 286.85 M462

16051 \*TOTZEK, E. Die neue jahresordnung der viehwirtschaft. Deut. Schlachthof-Ztg. 43: 33-35. Feb. 10, 1943. 286.85 D48

New marketing regulations.

#### Grading, Inspection, Standardization, and Quality

16052 \*BONGERT, J. G. Stellungnahme zu der beurteilung der tuberkulose in dem kommentar zum fleischbeschaugesetz von Giese, Himmel, Meyer. Deut. Schlachthof-Ztg. 43: 1-7. Jan. 10, 1943. 286.85 D48

16053 CANNED meats. Consumer Rpts. 9: 35-36. Feb. 1944. 321.8 C762

Testing and rating of brands.

16054 LEWIS, L. H. Livestock; grading, distribution, dressing. For Sale, Want and Exch. Bul. 1(9): 1. Feb. 1, 1944. 280.38 F74

Mainly on grading.

16055 \*MÜLLER, MAX. Das verborgene vorkommen von tuberkelbazillen in fleisch, blut und normal erscheinenden organen tuberkulöse erkrankter schlacht-tiere. (Concl.) Deut. Schlachthof-Ztg. 43: 29-33. Feb. 10, 1943. 286.85 D48



Industrial Utilization

- 16056 PÉREZ, G. R. Industria de la gelatina y cola. (To be cont.) Hacienda 39: 98, 100. Feb. 1944. 6 H11

Process of manufacturing gelatine and glue from animal bones and tissues.

Prices, Price Control, and Rationing

- 16057 \*BILL, J. H. Eigene nachzucht sichert den viehbestand! Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 592. Nov. 6, 1943. 18 B34W  
High prices for farm animals and factors affecting prices for them.
- 16058 BISSON, J.-E. Comment le prix du bacon d'exportation influence celui des porcs [Canada]. Terre de Chez Nous 14, i. e. 16(9): 23. Dec. 1, 1943. 7 T27
- 16059 BISSON, J.-E. Le nouveau prix du bacon d'exportation [Canada]. Terre de Chez Nous 16(5): 23. Nov. 3, 1943. 7 T27
- 16060 BRUNSDEN, E. W. Hog prices in Alberta. Co-op News 17(11): 11. Nov. 1943. 280.28 Co7899
- 16061 F., H. S. Beef price policy needs revision. Country Guide 63(2): 16-18. Feb. 1944. 7 G76  
Refers to Canada.
- 16062 MCAULIFFE, W. S. Increased production expected. So. Austral. Dept. Agr. Jour. 47: 6-9. Aug. 1943. 23 So84  
Encouragement to pork production through the guaranteed price scheme.
- 16063 SNOW, C. F. Better prices for rabbit skins. Mod. Poultry Keeping 50: 65. Jan. 26, 1944. 47.8 Eg3  
Preparation of pelts.
- 16064 \*STEGEN, H. Schafhaltung und hammel-fleischversorgung. Deut. Fleischer-Ztg., No. 66, p. 2. June 2, 1943. 286.85 D482  
Includes price control of sheep and lambs.
- 16065 WILLIAMSON, R. R. Rationing in the meat industry. Primary Prod. [Perth] 29(1): 2. Jan. 6, 1944. 23 P932

Processing and Storage

- 16066 BACK UP lard promotion by — making better lard. Articles VI-VIII. Natl. Provisioner 110(8): 11, 12, 24; (9): 13-14; (10): 15-16, 33. Feb. 19, 26, Mar. 4, 1944. 286.85 N21  
VI. Lard equipment. Feb. 19; VII. Chilling and packaging. Feb. 26; VIII. Storage of lard. Mar. 4, 1944.
- 16067 BATE-SMITH, E. C. Dehydrated meat possibilities. Meat and Wool 91(1): 6-7. Jan. 10, 1944. 286.85 M463
- 16068 \*CLARENS, L. Mouton salé et abatage familial. Prog. Agr. et Vitic. 119: 23-24. Jan. 10/17, 1943. 14 P94  
A home method of salting mutton.
- 16069 DUBOIS, C. W., and TRESSLER, D. K. Experiments show effect of seasoning on frozen pork, beef. Locker Operator 6(7): 20-21. Feb. 1944. 295.8 L79  
Excerpts from a report.
- 16070 DUCK, R. W. Handling hides: important observations in handling, curing and tanning. Ind. Farmers Guide 100(5): 10. Mar. 1, 1944. 6 In2
- 16071 GODDARD, C. A. Mutton for canning. So. Austral. Dept. Agr. Jour. 47: 10-11. Aug. 1943. 23 So84  
Sheep suited to canning, prices fixed for mutton acquired by canners, and the effect of the canning industry on the sheep and wool industry.
- 16072 GÓMEZ, O. J. Frigorificación de la carne y otros alimentos. Res 11: 15.322. Dec. 20, 1943. 286.95 R31

- 16073 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Home curing of bacon and hams; a manual of theory and practice for instructors and others. Gt. Brit. Min. Agr. and Fisheries. Bul. 127, 57 p. London, 1943. Ref. 10 G794B

Compiled by the Small Pig Keepers' Council.

- 16074 JEEB, RALPH. The post-war limeyard. Leather Trades' Rev. 77: 190-191. Feb. 9, 1944. 303.8 L48

Procedures in passing hides through the limeyard.

- 16075 JOHST, E. V. Tanning in old Moscow. Hide and Leather and Shoes 107(7): 21-24. Feb. 12, 1944. 303.8 H53

- 16076 \*KAMMEL, O. Umbruch in der herstellung von kochwurst? Deut. Schlachthof-Ztg. 43: 43-45. Feb. 25, 1943. 286.85 D48

- 16077 MATHEWS, H. W. Current livestock and meat problems. Kans. Stockman 28(5): 19-20. Mar. 1944. 49 K134

Deals mostly with the meat packing business.

- 16078 MERRY, E. W. War-time control in the tannery. Part VI. Leather World 36: 26-28. Jan. 13, 1944. 303.8 L482

Tanning process.

- 16079 PARTRIDGE, S.M., LEAR, W.E., and WESTALL, R.G. Dried meat. VI. The effect of water content on the compression characteristics of dried meat. Soc. Chem. Indus. Jour. 63: 16-18. Jan. 1944. 382 M31

- 16080 \*SALAZAR, ZACARÍAS. Jamones y embutidos españoles. Surco [Madrid], No. 10, p. 14-17. Dec. 1942. 15 Su7

Methods of manufacture.

- 16081 SIMORRA, JOSÉ. Despiece del cerdo. Rev. Canad. [Havana] 4(1): 22. Jan. 1944. 49 R321

Cutting up of a hog and weight of the various cuts.

- 16082 VAN SCHALKWYK, I. Dressing of sheepskins for making articles. Farming in So. Africa 18: 883-890. Dec. 1943. 24 So842

Dressing and dyeing of the skins.

- 16083 WATSON, M. A. The history and economics of cattlehide leather tanning. (Cont.) Shoe and Leather Rptr. 233(7): 12. Feb. 12, 1944. 303.8 Sh7  
Continued in issue of Feb. 19, p. 24-26; and Feb. 26, p. 8, 16.

- 16084 WILSON, W. K. How to dry skins. Poultry Farmer [London], 110(2846): 8. Jan. 7, 1944. 47.8 F312

Statistics

- 16085 \*RODRÍGUEZ DE TORRES, MARIANO. Las hermandades rurales y la estadística ganadera. Surco [Madrid] 2(19): 4-5. Sept. 1943. 15 Su7  
On the taking of livestock statistics.

OILS AND OILSEEDS

- 16086 A., A. Hay que aumentar en España la zona del cultivo olivarero. Ceres [Spain] 5(46): 18-19. Apr. 1, 1940. 15 C33

Trade possibilities of olive oil.

- 16087 ANDERSEN, A. J. The manufacture of margarine. (Abs.) Indus. Chem. and Chem. Mfr. 20 (229): 82-92. Feb. 1944. 382 In22

Also in Food 13(149): 37-42. Feb. 1944. 389.8 F738

- 16088 \*BALAVOINE, P., and TERRIER, J. Analyse de quelques graines oléagineuses. Pharm. Acta Helvetiae 18: 272. June 26, 1943. 396.8 P4933

- 16089 BALDINGER, L. H., ELLIS, N. K., and FAWCETT, K. I. Oil of peppermint. Storage factors and use of antioxidants as preservatives. Amer. Pharm. Assoc. Jour. Sci. Ed. 33: 41-43. Feb. 1944. 396.9 Am33J



16090 \*BAUER, K. H., and POHLOUDEK, R. Beiträge zur bestimmung des ätherischen oeles in pflanzlichem material. Pharm. Zentralhalle 84: 221-225. Aug. 1943. 396.8 P492

16091 \*BAUER, K.H., and NEU, RICHARD. Zur kenntnis des kaffee-öles. III. Die zusammensetzung des kaffee-öles. Fette u. Seifen 50: 345-347. July 1943. 384 C422

16092 BAUER, S.T., and GASTINEL, V. JR. Effect of metallic salts on the stability of palm and hydrogenated cottonseed oils. Oil and Soap 21: 36-42. Feb. 1944. 307.8 J82

16093 BAYMA, A. DA C. Safras de oiticica. Observador Econ. e Financ. 8(92): 116-119. Sept. 1943. 280.8 Ob72

Yields in nuts and statistics of oil production in Brazil.

16094 BEDOUKIAN, P.Z. Peppermint oil industry in Canada expanding. Amer. Perfumer and Essential Oil Rev. 46(2): 59-60. Feb. 1944. 308.8 Am3

16095 \*BEZNÁK, ALADÁR, BEZNÁK, MARGIT, and HAJDU, ISTVÁN. Ernährungsphysiologischer wert des rapsoils und einiger rapsoilprodukte. Ernährung 8: 236-244. Oct. 1943. 389.8 Er6

16096 BOHN, R.M. Soy products in candies. Confectioners Jour. 70(830): 12, 14, 25. Mar. 1944. 389.8 C76

Also in Internatl. Confectioner 54(2): 26, 43, 46. Feb. 1944. 389.8 In214

16097 COWAN, J. C., and TEETER, H. M. Salts of residual dimerized fat acids. Indus. and Engin. Chem. Indus. Ed. 36(2): 148-152. Feb. 1944. 381 J825

16098 CRONE, RUTH. Swiss oils and fats - Example of a "self-sufficiency" movement under stress of war's disruptions and virtual economic encirclement. U. S. Dept. Com. Foreign Com. Weekly 14(4): 8-9. Jan. 22, 1944. 157.54 F763

16099 DAUBERT, B. F., and LONGENECKER, H. E. Unsaturated synthetic glycerides. Oil and Soap 21: 42-46. Feb. 1944. 307.8 J82

16100 DEJOIE, LOUIS. Oil of sweet Basil Hayti. Drug and Cosmetic Indus. 53: 510-511, 579-581. Nov. 1943. 396.8 D842

16101 \*DI FULVIO, A. World linseed production in 1942-43. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. reprint from Internatl. Rev. Agr., 34: 46S-47S. Feb. 1943. 251 In8B

16102 DONOHO, HASKELL. The manufacture of margarine. Soybean Digest 4(4): 4-5. Feb. 1944. 60.38 So9

16103 ENGLEHORN, A. J., and RIECKEN, FRANK. Our 1944 soybean goals in Iowa. Iowa Farm Econ. 10 (1/2): 8-9. Jan./Feb. 1944. 275.28 Io92

16104 FIFTY-FIVE years of linseed oil prices. Paint, Oil and Chem. Rev. 107(3): 15. Feb. 10, 1944. 306.8 F16

Statistics for the period 1889-1943.

16105 FONTAINE, T. D., and BURNETT, R. S. Peptization of nitrogenous constituents of solvent-extracted peanut meal. Indus. and Engin. Chem., Indus. Ed. 36(2): 164-167. Feb. 1944. 381 J825

16106 \*GONDE, ROGER. La France peut et doit surmonter les difficultés d'un approvisionnement en corps gras déficitaires. Prog. Agr. et Vitic. 119: 66-68. Feb. 21/29, 1943. 14 P94

Oilseeds production program in France.

16107 GUENTHER, ERNEST. Oil of erigeron. Chemurg. Digest 3: 55-56. Feb. 15, 1944. 381 N213Na

16108 GUENTHER, ERNEST. A survey of American and European peppermint oils. Part V. Mfg. Confectioner 24(2): 22-24, 43. Feb. 1944. 389.8 M31

16109 GUENTHER, ERNEST. A survey of oil of costus root. Amer. Perfumer and Essential Oil Rev. 46(2): 50-52. Feb. 1944. 308.8 Am3

16110 \*GUILLAUMIN, ANDRÉ. Mouvement scientifique. Rev. Sci. [Paris] 81: 139-141. Mar./Apr. 1943. 473 R32

The supply situation in France for fats and oils and plant sources for oils.

16111 HILDITCH, T.P. Some factors affecting the control of oxidative rancidity. Soc. Chem. Indus. Jour. Chem. and Indus. 63: 67-71. Feb. 19, 1944. 382 M31C

16112 \*HU. Wie kann der fettbedarf gedeckt werden? Landesbauernschaft Niederschlesien. Wchnbl. 10: 369. July 3, 1943. 18 S13

Meeting the fat shortage through production of rapeseed.

16113 HUNTER, A. O. La industria del tung en Rio Grande do Sul. Hacienda 39: 92. Feb. 1944. 6 H11

16114 \*KELLER, O., and RICHTER, O. Untersuchungen von roggenskeimöl. Fette u. Seifen 50: 347-349. July 1943. 384 C422

16115 KELLEY, E. M. Margarine swims with nutrition tide to convert tasters into users. Sales Mgmt. 53(5): 40. Mar. 1, 1944. 280.38 Sa3

16116 KIRBY, AMOS. Can the dairy farmer hold the line against oleomargarine? Moos 4(7): 6, 8. Feb. 1944. 44.8 M78

16117 \*KOCH, HELMUT. Warum verstärkter anbau von raps und rüben. Mitt. f. die Landw. 58: 549. July 10, 1943. 18 D48M

Production of oilseeds in Germany.

16118 LEAMING, B.G. Soya products distribution. Jour. Home Econ. 36: 134-135. Mar. 1944. 321.8 J82

16119 LLOYD, J. H. Soybean supply situation. Soybean Digest 4(4): 7-8. Feb. 1944. 60.38 So9

16120 LOCKWOOD, H. C. The removal of mustard gas from fats. Soc. Chem. Indus. Jour. Chem. and Indus. 63: 50-51. Feb. 5, 1944. 382 M31C

16121 LUNDBERG, W.O., HALVORSON, H.O., and BURR, G.O. The antioxidant properties of nordihydroguaiaretic acid. Oil and Soap 21: 33-35. Feb. 1944. 307.8 J82

16122 LYMAN, C. M., HOLLAND, B. R., and HALE, FRED. Processing cottonseed meal. Indus. and Engin. Chem., Indus. Ed. 36(2): 188-190. Feb. 1944. 381 J825

16123 MCKINNEY, R. S., ROSE, W. G., and KENNEDY, A. B. Continuous process for solvent extraction of tung oil. Indus. and Engin. Chem., Indus. Ed. 36 (2): 138-144. Feb. 1944. 381 J825

16124 O MARANHÃO e o babau. Observador Econ. e Financ. 8(92): 121-123. Sept. 1943. 280.8 Ob72  
Economic history of Maranhão and the babassu industry.

16125 \*MATAGRIN, A. La phosphatide du soya (Lécithine végétale). Rev. Internatl. du Soya 3: 65-72. May/June 1943. 60.38 R32

16126 \*MATAGRIN, A. Les points obscurs de la question "soya"; à propos de l'huile de soya et du soya en tant qu'oléagineux. Rev. Internatl. du Soya 3: 8-13. Jan./Feb. 1943. 60.38 R32

Soybean cultivation, oil extraction, tariffs, and nutritive value.

16127 MITCHELL, H. R. Hydrogenated fats. Part II. Food Manufacture 18: 401-404. Dec. 1943. 389.8 F736

16128 MONTGOMERY, G. A. Postwar markets for soys. Capper's Farmer 55(3): 9, 59. Mar. 1944. 6 M693



- 16129 \*PAJARI, KOSTI. Untersuchungen über das Kiefernknollenöl I. Fette u. Seifen 50: 465-471. Oct. 1943. 384 C422
- 16130 PASCHKE, R.F., and WHEELER, D.H. Formation and decomposition of peroxides of unsaturated fat esters. Oil and Soap 21: 52-57. Feb. 1944. 307.8 J82
- 16131 REWALD, BRUNO. The fats and phosphatides in grass. Oil and Soap 21: 50-52. Feb. 1944. 307.8 J82
- 16132 RIEMENSCHNEIDER, R. W., and others. Fatty acid monoesters of l-ascorbic and d-isoascorbic acids as antioxidants for fats and oils. Oil and Soap 21: 47-50. Feb. 1944. 307.8 J82
- J. Turer, P. A. Wells, and W. C. Ault, joint authors.
- 16133 \*STEEGER, ALPH., and LOON, J.VAN. Das fette Öl der samenkerne von Sterculia foetida L. Fette u. Seifen 50: 305-309. June 1943. 384 C422
- 16134 SYKES, PAUL. Indian groundnut trade. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 130-133. Feb. 12, 1944. 286.8 C16
- 16135 \*THALER, H., and GROSEFF, W. Zur kenntnis der getreidekeimöle. II. Die zusammensetzung von extrahierten rogggenkeimölen. Fette u. Seifen 50: 432-434. Sept. 1943. 384 C422
- 16136 \*THALER, H. and GROSEFF, W. Zur kenntnis der getreidekeimöle III. Die zusammensetzung des weizenkeimöles. Fette u. Seifen 50: 472-475. Oct. 1943. 384 C422
- 16137 WILSON, C.M. Grass oil production of middle America expanding. Amer. Perfumer and Essential Oil Rev. 46(2): 35-37. Feb. 1944. 308.8 Am3
- POULTRY AND POULTRY PRODUCTS
- 16138 BELL, E. W. Poultry production has increased in New England, in spite of price ceilings. New England Homestead 117(3): 6, 7. Feb. 12, 1944. 6 N442
- 16139 BELLO, OLIVIER. El acuerdo anglo argentino sobre la exportación de huevos desecados o en cáscara. Rev. Mens. B. A. P. 27(314): 15, 17-19. Jan. 1944. 9 R326
- 16140 CARD, C. G. Poultry and eggs production, in 1944. Mich. Farmer 203: 58. Feb. 19, 1944. 6 M58
- 16141 CAVERS, J. R. Looking ahead in the poultry business. Canada Poultryman 31(1): 15-17. Jan. 1944. 47.8 C166
- Floors for Canadian egg prices.
- 16142 DARRAR, L. B. Handle egg cases carefully. N. Y., Allegany Co. Farm and Home Bur. News 32(2): 6. Feb. 1944. 275.293 N. Y., Allegany Co.
- Also in N. Y., Greene Co. Farm Bur. News 27(6): 4. Feb. 1944. 275.293 N. Y., Greene Co.
- 16143 DARRAR, L. B. The poultry and egg outlook. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 464, 13 p., processed. Ithaca, 1943. 281.9 C81
- 16144 DWINELL, H. A. Vermont turkeys still head the list. New England Homestead 117(3): 12, 13. Feb. 12, 1944. 6 N442
- Production and marketing.
- 16145 EMBALAJE de pavos para su envío al mercado. Chacra 14(158): 70-71, 77. Dec. 1943. 9 C34
- 16146 FRYD, C.F.M., and HANSON, S.W.F. Spray-dried egg. The relation between flavour and physical and chemical characteristics. Soc. Chem. Indus. Jour. 63: 3-6. Jan. 1944. 382 M31
- 16147 GORESLINE, H. E., and MCFARLANE, V. H. Handling eggs for drying. U. S. Egg & Poultry Mag. 50: 116-119, 140-144. Mar. 1944. 286.85 Eg3
- 16148 HADLINGTON, E. Keep eggs clean. Farmer and Settler 37(48): 7. Dec. 30, 1943. 23 F226
- 16149 HAWTHORNE, J.R. Dried egg. VII. Methods for the determination of the solubility of dried whole egg. Soc. Chem. Indus. Jour. 63: 6-8. Jan. 1944. 382 M31
- 16150 HORWOOD, E. G. Season's volume of egg receipts reported heavy. Manitoba Co-op. 1(17): 5. Mar. 1, 1944. 280.28 M31
- Receipts for the Manitoba Co-operative Poultry Marketing Association Ltd.
- 16151 IVES, C. P. Bloom of the broiler boom in Maryland. (Cont.) Cackle and Crow 26(4): 1. Feb. 15, 1944. 47.8 C11
- 16152 JONES, MARVIN. Marvin Jones says "No go" to excise plan, offered in Dec. Peninsula Broiler Jour. 3(19): 1, 4. Feb. 7, 1944. 47.8 P37
- Objections to a plan proposed for control of broiler prices.
- 16153 JONES, R. E. Poultry outlook is serious. New England Homestead 117(3): 17, 21. Feb. 12, 1944. 6 N442
- 16154 LAGLOIRE, PELLERIN. Les oeufs en poudre. Bul. des Agr. 40(2): 17. Feb. 1944. 7 B872
- History and methods of powdering eggs.
- 16155 LUEBKE, B. H., and GUILFORD, M. M. Prospects for greater returns to Tennessee poultry industry. Tenn. Planner 4: 81-83. Feb. 1944. 280.7 T257
- Suggests improvement in marketing methods and expansion of processing and storage.
- 16156 M., R. L'emballage des oeufs. Terre de Chez Nous 16(17): 4. Jan. 26, 1943. 7 T27
- 16157 MCALEER, H. A. Loading cars of eggs to prevent damage in transit. U. S. Egg & Poultry Mag. 50: 102-103, 132. Mar. 1944. 286.85 Eg3
- 16158 MALLMANN, W. L., and DAVIDSON, J. A. Oil-protected shell eggs. (To be cont.) U. S. Egg & Poultry Mag. 50: 113-115, 133. Mar. 1944. 286.85 Eg3
- Protection against microbial spoilage.
- 16159 PAYTON, JEROME. The spray process for making whole egg powder. U. S. Army. Med. Dept. Bul. 70, p. 71-85. Nov. 1943. 152.9 Ar52
- 16160 PIPER, W. E. Highest egg production in New England. New England Grocery and Market Mag. 12(5): 21-22. Mar. 1944. 286.83 N44A
- 16161 RAYMOND, ABEL. L'emballage des oeufs: avis aux postes enregistrés de classement des oeufs. Terre de Chez Nous 16(17): 4. Jan. 26, 1943. 7 T27
- 16162 \*RÉCHICOURT, O. La pénurie d'oeufs; le soya l'aurait prévenue. Rev. Internatl. du Soya 3: 44-45. Mar./Apr. 1943. 60.38 R32
- Swiss egg supplies and the possibility of using whole soybean meal as a substitute for eggs.
- 16163 REMPER, L. W. 1944 State quotas established for egg board support. Hatchery Tribune 18(2): 32-33, 47. Feb. 1944. 47.8 H28
- Project for promoting consumption of poultry and eggs.
- 16164 RUMBALL, P. Marketing eggs. Queensland Agr. Jour. 57: 375-377. Dec. 1, 1943. 23 Q33
- 16165 TERMOHLEN, W. D. "GI" turkeys boost fighter morale. Turkey World 19(2): 12, 45-46. Feb. 1944. 47.38 T84
- Supplying turkeys to the armed forces.
- 16166 UPHOFF, MELVIN. How is broiler production to be cut. Peninsula Broiler Jour. 3(20): 3. Feb. 21, 1944. 47.8 P37



16167 WELTNER, E. R. Use of frozen eggs in the baking industry. Amer. Soc. Bakery Engin. Proc. (1943) 20: 1-2, processed. 389.9 Am37P  
Advance release from Annual Proceedings, in preparation.

16168 ZAGAEVSKY, J. S., and LUTIKOVA, P. O. Bacteriological study of the egg. U. S. Egg & Poultry Mag. 50: 121-123. Mar. 1944. 286.85 Eg3  
Conclusion of a Russian report on 'Sanitary Measures in an Egg Breaking Plant.'

## RUBBER AND RUBBER SUBSTITUTES

16169 ASCOLI, F. D. A post-war reconstruction problem; the plantation rubber industry. India-Rubber Jour. 106(4): 2-4. Jan. 22, 1944. 305.8 In21

16170 BARNES, R.B., and others. Physical methods of analysis of synthetic and natural rubber. Indus. and Engin. Chem., Analyt. Ed. 16: 9-14. Jan. 1944. 381 J825

V.Z. Williams, A.R. Davis, and Paul Giesecke, joint authors.

16171 BRESSMAN, E. N. El caucho del porvenir: Natural o sintético? Rev. Nac. [Habana] 3(27): 25-27. Feb. 1944. 280.8 R3295

The Latin American program of rubber development and research and possibilities of rubber being produced by families on small farms.

16172 CAMARGO, F. C. DE, and BEKKEDAH, NORMAN. Pa-Agronômico method for coagulating rubber. India Rubber World 109: 473-474. Feb. 1944. 305.8 In2

16173 CHILDS, M. W. Boom town on the Amazon. Sat. Evening Post 216(35): 18, 97-98. Feb. 26, 1944. 110 S

Development of rubber industry at Manaus, Brazil.

16174 COHAN, L.H., and STEINBERG, MARTIN. Determination of rate of cure for natural and synthetic rubber. Indus. and Engin. Chem., Analyt. Ed. 16: 15-20. Jan. 1944. 381 J825

16175 COLLYER, J. L. Rubber. Amer. Inst. Banking. Bul. 26(1): 10-13. Jan. 1944. 284.9 Am3  
Post-war plans and problems.

16176 FIRESTONE, H. S., JR. What about rubber after the war? Sat. Evening Post 216(36): 12-13, 60, 63, 65. Mar. 4, 1944. 110 S

16177 HOSEH, M. Recent Russian literature on natural and synthetic rubber. VII. India Rubber World 109: 478-479. Feb. 1944. 305.8 In2

16178 INTER-AMERICAN DEVELOPMENT COMMISSION. El futuro del hule en Iberoamérica. II. Economista [Mexico] 10(119): 21-24. Feb. 1, 1944. 280.8 Ec793

The post-war situation, including competition between synthetic and natural rubber and costs of production in the Far East.

16179 KNIBB, D. V. Rubber in Africa. U. S. Dept. Com. Foreign Com. Weekly 14(5): 6, 30. Jan. 29, 1944. 157.54 F763

Significance of Africa as a producer.

16180 KNORR, K. E. Rubber after the war. Stanford Univ. Food Res. Inst. War-Peace Pam. 4, 46 p. Stanford University, Calif., 1944. 280.9 L532

16181 \*\*MACFADYEN, SIR ERIC. Plantation rubber in the post-war world. Crown Colonist 13: 841-843. Dec. 1943.

Noted in Current Geog. Pubs. 7(1): 3, processed. Jan. 1944. 241.6 Am3

16182 OVERLEY, S. E. Rubber - Procurement in the Western Hemisphere; presenting pertinent data as to operations, aims, expenditures, and actual cost of rubber obtained. U. S. Dept. Com. Foreign Com. Weekly 14(3): 3, 11. Jan. 15, 1944. 157.54 F763

16183 PRAZERES, OTTO. Intervenção na produção. Observador Econ. e Financ. 8(92): 120, 121. Sept. 1943. 280.8 Ob72

Constitutionality of the Amazonas law requiring processing of rubber before it can leave the State.

16184 RECOVERY of rubber from young guayule shrub. India Rubber World 109: 475-477, 479. Feb. 1944. 305.8 In2

Eastern Regional Research Laboratory, U. S. Department of Agriculture cooperating.

## SEEDS

16185 BROWN, G. F. Where shall we get the seed? U. S. Soil Conserv. Serv. Soil Conserv. 9: 183-185, 190. Feb. 1944. 1.6 So35  
Seed for forage crops.

16186 CONN. DEPT. OF AGRICULTURE. Seed inspection, 1943. Conn. Dept. Agr. Bul. 84, 8 p. Hartford, 1944. 2 C76B

16187 MAGRUDER, ROY. The vegetable seed supply. Veg. Growers' Assoc. Amer. Ann. Rpt. 1943: 21-24. 81 V52

16188 \*SMOLIÁKOV, N. Obratstvo zasypat' semennye fondy [A model way of storing seed stocks]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosvety Kolhoz., No. 80. Broadside. Aug. 1943. 20 Ag88

16189 TINDALL, CORDELL. Better seed is the answer! Mo. Ruralist 85(4): 6, 14. Feb. 26, 1944. 6 R8891

Importance of seed of good quality and free from weed seeds.

16190 WHEELER, W. A. Vegetable seeds in 1944. U. S. War Food Admin. Market. Activ. 7(1): 13-14, processed. Jan. 1944. 1.942 ASM34

## SUGAR AND SIRUPS

16191 ALVARÉ, MANUEL DE. Dilema ocioso: el de todo o nada en azúcar. Rev. Nac. [Habana] 3(27): 13. Feb. 1944. 280.8 R3295

Importance of the Cuban sugar industry.

16192 BARTLING, F. W. Wet process corn milling. No. 12-C--Production of corn syrup. (Cont.) Amer. Miller 72(2): 64, 66, 72-73. Feb. 1944. 298.8 Am32

16193 BEAUCHEAMP, C. E. La utilización de los productos secundarios de la industria azucarera. (To be cont.) Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 207-209. Jan. 1944. 65.9 As5B

16194 \*BECKERICK, ABEL. La méthode Pommritz pour la récupération et l'utilisation des feuilles et collets de betteraves. Génie Rural et Elect. Rurale 36(3): 1-4. Mar. 1943. 58.8 Au8

16195 BENGOCHEA, ARTURO. Mielles y alcohol: un convenio entre gobiernos. Rev. Nac. [Habana] 3(27): 7. Feb. 1944. 280.8 R3295

The agreement was made by the Cuban and United States Governments.

16196 \*BESSER, A. A. Klenavosakharnoe proizvodstvo [Maple sugar production]. Priroda. Akad. Nauk. 32(3): 46-57. 1943. 410 P933

16197 \*BÖTTGER, ST., and BECKER, D. Versuche über scheidesaturationsverfahren im grossbetriebe. Zuckerindustrie 1: 15-19. May 15, 1943. 65.8 Z8

16198 BRADEN, S. S. De postguerra: incógnita cubano-americana. Rev. Nac. [Habana] 2(24): 11-12. Nov. 1943. 280.8 R3295

Outlook for the Cuban sugar industry.

16199 \*DAVIDOV, P. Kak poluchit' sakharistyí produkt iz kartofelia [How to obtain a sugar product from potatoes]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosvety Kolhoz, No. 71/72. Poster. Moskva, 1943. 20 Ag88

With N. Maisurian and A. Voítkevitch.



- 16200 \*DAVIDOV, P. Sakharistye veshchestva i kartofelia [Sugar products from potatoes]. Sovkhoznoe Proizvodstvo 3(9): 46-48. Sept. 1943. 20 So85
- 16201 DOVECEA, J. M. Línea básica: azúcar, tabaco, ganado y alcohol. Rev. Nac. [Habana] 2(21): 13. Aug. 1943. 280.8 R3293  
Need for development of the Cuban alcohol industry on a large scale as an adjunct to the sugar industry.
- 16202 ERCK, M. N. La Estación Experimental Agrícola de Tucumán. Hacienda 39: 60-62. Feb. 1944. 6 H11  
Sugar research at the experiment station.
- 16203 GARCIA, ALEX. Cuba joins other sugar areas in foundation to defend, develop [sugar] industry. Lamborn Sugar-Market Rpt. 22: 23, 25, 26. Feb. 8, 1944. 286.86 L17
- 16204 GEDDES, G. W. Drip sugar. Macdonald Col. Jour. 4(6): 13, 26. Feb. 1944. 101 M144  
Canadian maple products businesses and the effect of the war on them.
- 16205 GRAÇA, F. DOS S. A Companhia Colonial do Búzi: breve monografia. Moçambique 8(32): 81-136. Dec. 1942. 11C M71  
The company carries on sugarcane production and milling and other agricultural activities.
- 16206 HAYWOOD, E.W., EMERSON, C.L., JR., and DAVIS W.M. Reconverting alcohol production from wartime raw materials. Chem. & Metall. Engin. 51(2): 135-139. Feb. 1944. 381 E12  
Use of molasses.
- 16207 \*HONIG, P. The Java sugar industry. Indian Sugar 6: 15-19. Jan. 1943. 65.8 In25
- 16208 HUDDLESTON, F. E. Announced Government 1944 beet prices attractive to Montana beet growers. Mountain States Beet Grower 4(7/8): 5, 8. Jan./Feb. 1944. 280.28 M86
- 16209 INDIA. CENTRAL AGRICULTURAL MARKETING DEPT. Agricultural marketing in India. Report on the marketing of sugar (including the various kinds of gur and white sugar) in India and Burma. India. Cent. Agr. Market. Dept. Market. Ser. 39, 366 p. New Delhi, 1943. 280.39 In2
- 16210 JENKINS, G. H. Cane preparation, Queensland practice. So. African Sugar Jour. 27: 513, 515, 517. Dec. 1943. 65.8 So8  
Cutting or shredding the cane stalks prior to milling.
- 16211 KIRZNER, JAIME. Uma contribuição ao estudo das caldas; aspecto físico-químico do problema, sob o ponto de vista industrial. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(1): 65-79. Mar. 1943. 9.2 Ag83
- 16212 \*KLOFFENBURG, C. A. Carbo-sulphitation process. Indian Sugar 6: 383-386. Oct. 1943. 65.8 In25  
Clarification of cane juices.
- 16213 LAMBORN, O. H. The U. S. A. sugar position. Increasing industrial supplies: elimination of rationing. So. African Sugar Jour. 27: 509, 511. Dec. 1943. 65.8 So8
- 16214 LÓPEZ CASTRO, AMADEO. La venta de la zafra; su aspecto responsable. Rev. Nac. [Habana] 2(22): 5. Sept. 1943. 280.8 R3295  
Probable size of the Cuban sugar crop and the agreement for its sale to the United States.
- 16215 LÓPEZ CASTRO, AMADEO. Venta de mieles y alcohol: paréntesis trágico. Rev. Nac. [Habana] 3(26): 5. Jan. 1944. 280.8 R3293  
On the agreement for sale of Cuban invert molasses to the United States.
- 16216 LÓPEZ FERRER, F. A. Fabricación de alcohol en los ingenios. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 204-207. Jan. 1944. 65.9 As5B  
Alcohol manufacture in sugar factories.
- 16217 MAHEUX, GEORGES. À propos de betteraves à sucre. Terre de Chez Nous 16(17): 10. Jan. 26, 1943. 7 T27  
Includes economic advantages of sugar-beet production in Quebec.
- 16218 MARÇAL, HEITOR. O ouro - elemento civilizador. Observador Econ. e Financ. 8(94): 12-16. Nov. 1943. 280.8 Ob72  
Touches upon the place of sugar in the Brazilian colonial economy.
- 16219 \*MEYER-TZAUT, A. Zuckerknappheit und honigratierung. Schweiz. Bienen Ztg. 66: 284-287. June 1943. 424.8 Sch9
- 16220 \*MOHR, O. Die aufgaben der deutschen zuckerwirtschaft im fünften kriegsjahr. Zuckerindustrie 1: 125-127. Oct. 9, 1943. 65.8 Z8  
Includes regulations for beet marketing, feed production, sugar production, and return and sale of beet cuttings.
- 16221 \*N. Alcool hydraté et motoculture. Prog. Agr. et Vitic. 119: 174-176. May 23/30, 1943. 14 P94  
Alcohol manufacture from sugar sorghum.
- 16222 \*OHLEN, FREIHERR VON. Die gegenwartsprobleme in der deutschen zuckerwirtschaft. Zuckerindustrie 1: 123-125. Oct. 9, 1943. 65.8 Z8
- 16223 \*PERELESCHIN, A. D. Urozhainost' sakharnoy svelyki v Kirgizii i zatraty truda na ee proizvodstvo [Sugar beet yields in the Kirghiz Republic and labor expenditure for their production]. Kirghiz Repub. Gosud. Selek. Stants. Trudy 2: 25-60. 1941. 20 K63
- 16224 PORTELL VILA, HERMINIO. Evolución histórica de la industria azucarera. Economista [Mexico] 10(119): 25-33. Feb. 1, 1944. 280.8 Ec793  
Refers chiefly to the Cuban sugar industry.
- 16225 SANTIESTEBAN, TEODORO. Paso vital: el de la investigación azucarera. Rev. Nac. [Habana] 3(27): 17. Feb. 1944. 280.8 R3295  
Advantages of the new Sugar Research Foundation.
- 16226 SANTIESTEBAN, TEODORO. Punto nuevo: las mieles finales y los colonos. Rev. Nac. [Habana] 3(25): 11. Dec. 1943. 280.8 R3295  
The position of the farmer with regard to new arrangements for sale of molasses to the United States or to distillers, which would give the factories a larger income than is usually obtained for the product.
- 16227 \*SHIBAIEV, P. N., and SAVVINA, A. G. Svelkol'nala muka kak zamenitel' sakhara [Sugar-beet flour as a sugar substitute]. Sel'so(Ser. Kolkhoz. Zeml.), v. 12, No. 219/220, 4 p. Oct. 1943. 20 Se48
- 16228 SWARUP, S. R. Farm production of sugar-cane syrup. Indian Farming 4: 353-354. July 1943. 22 In283  
Explains processes.
- 16229 \*TAVEIRA, J. A. Açúcar de Moçambique; a Sena Sugar Estates, Limited. Moçambique 9(33): 121-138. Mar. 1943. 110 M71  
In addition to sugar production capacity, the article deals with other crops produced by the company and conditions of native workers employed by it.

## TOBACCO

- 16230 BARROETA, FRANCISCO. Tabaco habano: algunas enemigos embozados. Rev. Nac. [Habana] 3(26): 23. Jan. 1944. 280.8 R3295  
Market conditions for Cuban tobacco.



16231 HEIZER, J. M. From tobacco--to dried sweets. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 8-9. Jan. 1944. 166.2 N47  
Varied activities of the Eastern Dark Fired Tobacco Growers Association, of Kentucky-Tennessee, including dehydration of sweetpotatoes.

16232 PERDOMO, J. E. Alarma: nuestro tabaco en el mercado mundial. Rev. Nac. [Habana] 3(26): 17-18. Jan. 1944. 280.8 R3295

Difficulties in increasing exports, tobacco monopolies in foreign countries, and a post-war policy for Cuban tobacco.

16233 PERDOMO, J. E. Exportaciones de tabaco: últimos aumentos. Rev. Nac. [Habana] 2(25): 27. Dec. 1943. 280.8 R3295

16234 \*PIMENTA, ATOUGUJA. Tabaco; subsidios para o estudo dos tabacos de Moçambique. Moçambique 7(26): 51-72. June 1941. 110 M71

History, industrial classification, chemical analysis, effects upon health, trade, and quantity of production of tobacco.

#### MISCELLANEOUS PRODUCTS

16235 DELAHANTY, T. W., and SCHUTTRUPF, E. D. Quinine - after the war. Drug and Cosmetic Indus. 53: 509, 516-517. Nov. 1943. 396.8 D842

16236 FALCIONI, A. C. Cuaño de origen vegetal obtenido de la flor de cardo; cuál es la variedad productora y experiencias realizadas para comprobar su acción en la coagulación de la leche. Res 11: 14.375, 14.376. May 20, 1943. 286.85 R31

16237 GUERRA Y SÁNCHEZ, RAMIRO. La invención, la gran perturbadora. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 202-204, 205. Jan. 1944. 65.9 As5B

The threat of synthetics to agriculture.

16238 A IPECACUANHA. Observador Econ. e Financ. 8(92): 107-109. Sept. 1943. 280.8 Ob72

Includes cost of production of ipecac and protection to the industry.

16239 MASON, C. F. Water dispersible and bulking gums--3. Locust bean gum. Chem. Indus. 54(1): 66-67. Jan. 1944. 381 C426

16240 ROIG, J. T. Nueva industria posible: la manzanilla cubana. Rev. Nac. [Habana] 3(26): 11. Jan. 1944. 280.8 R3293

Economic aspects of camomile production.

16241 SMITH, E. A. Water soluble gums. Chermurgic Digest 3: 43-44. Jan. 31, 1944. 381 N213Na

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

16242 AISSSTEIN, LEÓN. Empeño épico: la industrialización agrícola. Rev. Nac. [Habana] 2(21): 11. Aug. 1943. 280.8 R3293

Plans for developing new industries based upon Cuban agriculture.

16243 BATISTA C., J. B. Situación económica de Istmo [Panama] en el siglo XIX. Rev. de Agr. y Com. [Panama] 3(27): 18-22. Nov. 1943. 8 R3291

16244 BEAUMONT, MARK. The case against country planning. Field 183: 136-138. Feb. 5, 1944. 10 F45

Critical of national control of land and buildings.

16245 \*BOREL, A. International chronicle of agriculture: Switzerland. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 70E-79E. Feb. 1943. 280.9 In83

Trade, crop areas, the agricultural situation, the land system, and organizations.

16246 BRITISH COLUMBIA FRUIT GROWERS' ASSOCIATION. Resolutions adopted by B.C.F.G.A. 1944 convention. Country Life [Brit. Columbia] 28(2): 16-17, 32. Feb. 1944. 7 C832

Resolutions refer to prices, research, labor, transportation, and school taxation.

16247 \*CONGRESO SINDICAL AGROPECUARIO, MÁLAGA, SPAIN, 1st, 1942. El 1 Congreso Sindical Agropecuario; conclusiones presentadas por la Delegación Provincial de Sindicatos de Málaga. Surco [Madrid], No. 3, sup., p. 3-5, 7, 9-12. May 1942. 15 Su7

Conclusions refer to such subjects as credit, labor, tenure, and marketing.

16248 GARCÍA CADENA, ALFREDO. Campesino y sociólogo. Bol. Agr. [Medellín], No. 292/293, p. 2196-2200. Nov./Dec. 1943. 9.4 Sol

Critical of Colombia's promoting industry at the expense of agriculture. Industries should be developed which will use domestic raw materials.

16249 \*L., E. Bauer und arbeiter. Schweiz. Bauernztg. 43: 14-15. Apr. 1943. 280.28 Sch93

The need for post-war cooperation between agriculture and industry.

16250 MORAES, J. DE M. Rápidas pinceladas de economía rural. Rev. de Direito Agr. 1: 85-94. Mar. 31, 1943. 281.8 R323

On the changing concept of soil fertility, the need for credit in Brazilian agriculture, and the importance of the large holding.

16251 ORWIN, C. S. Farm economics. Roy. Soc. England. Jour. 104: 28-35. 1943. Ref. 10 R81

A survey of agricultural reconstruction, farm management, labor, cooperation, statistics, and taxation.

16252 STERLING, J. R. A glimpse at present-day Yucatán; an intimate picture of the "sisal state" and Mérida, its chief commercial, industrial and distributing city; natural resources and climate, plantation methods, population, transportation, cultural life. Cord Age 41(1): 14, 32. Jan. 1944. 73.8 C812

16253 TANNOUS, A. I. Agricultural production and food consumption in Iran. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 27-42, processed. Feb. 1944. 1.9 Ec7For

Includes the rural community, systems of land tenure, and crops produced.

16254 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b). Ob uborke urozhaia i zagotovkakh sel'skokhoziaistvennykh produktov v 1943 godu. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz, No. 69, 31 p. Moskva, 1943. 20 Ag88

Regulations for the crop harvest including care of equipment and labor and wages.

#### AGRICULTURAL FINANCE

16255 MYERS, W. I. A wartime program for New York farmers in 1944. [N. Y.] Greene Co. Farm Bur. News 27(6): 1. Feb. 1944. 275.293 N.Y., Greene Co.

Program for financial security, including payment of debts, avoidance of speculation, and investment in war bonds.

##### Credit

16256 BERGENGREN, R. F. Sees credit union great co-op aid. Coop. Consum. 11(3): 2. Feb. 15, 1944. 280.28 C7836



16257 BHANDARI, J. G. Organization of agricultural credit in India. Indian Co-op. Rev. 9: 222-227. July/Sept. 1943. 280.28 In2

16258 CHAND, MAHESH. What delay? Plea for the early establishment of a provincial bank in U. P. Indian Co-op. Rev. 9: 228-231. July/Sept. 1943. 280.28 In2

16259 CULPEPPER, J. P. How Georgia banks help farmers. Banking 36(3): 46-47, 94. Feb. 1944. 284.8 Am3

16260 FARM lending [by banks]. South. Banker 82(2): 19-20, 54-57. Feb. 1944. 284.8 So8

Series of statements by J. P. Culpepper, E. A. Howell, J. B. Sloan, G. C. Hunter, and W. T. Savage.

16261 FARM lending [by banks]. South. Banker 82(3): 17, 49-52. Mar. 1944. 284.8 So8

Third in a series of discussions by bankers. Includes discussions and statements by R. D. Gage, Jr., W. A. Montgomery, C. E. Wilson, and M. L. Lee.

16262 FERNÁNDEZ Y FERNÁNDEZ, RAMÓN. Crédito y subsidios. Crédito y pequeña propiedad. (Comentarios sobre el crédito agrícola en Estados Unidos.) Mex. Agr. 5: 237-245. Oct./Dec. 1943. 280.8 M57

16263 FITZPATRICK, F. J. Quebec credit unions. Co-op News 17(10): 20. Oct. 1943. 280.28 Co7899  
Operations in handling the credit needs of farmers and cooperatives.

16264 GOPALSWAMY, S. Co-ordination and control of banking in Mysore. Indian Jour. Econ. 24(92): 38-58. July 1943. 280.8 In22

16265 HERNÁNDEZ, A. E. El crédito rural en Costa Rica. Vida Agr. 20: 817, 819, 821, 823-832. Nov. 1943. 9.8 V66

16266 IGLESIAS BENOIT, HERNÁN. Crédito hipotecario e impuesto de valorización. Tierras y Aguas 5(57/58): 62-65. Sept./Oct. 1943. 282.8 T44

16267 KLINGE, GERARDO. El crédito agrícola en México. (To be cont.) Vida Agr. 20: 705-712, 769, 771-776. Sept.-Oct. 1943. 9.8 V66

16268 KLINGE, GERARDO. El crédito agrícola en México. (Quinto artículo) Vida Agr. 20: 845-850. Nov. 1943. 9.8 V66

16269 MARTIN, ARMAND. Le rôle des caisses populaires dans le mouvement coopératif. Terre de Chez Nous 16(6): 17. Nov. 10, 1943. 7 T27

Includes the Canadian people's bank as a source of credit.

16270 MENDIETA Y NÚÑEZ, LUCIO. La reorganización del crédito ejidal. Granja [Mexico] 11: 223-224. Dec. 1943. 8 C76

16271 RAO, T. R. N. War and co-operative banking. Madras Jour. Co-op. 35: 153-159. Oct. 1943. 280.28 M26

Effect of the war on the banks and their loans.

16272 \*RICO, PEDRO. El problema del crédito agrícola. Surco [Madrid] 2(19): 42-43. Sept. 1943. 15 Su7

16273 SANDERS, S. D. A real banking service for co-ops; Federal lending agency has enviable record of service to farmers. GTA Digest 4(2): 15-19. Feb. 1944. 280.28 G11

Part of address.

Organization and operations of the banks for cooperatives.

16274 SATHYANARAYANA, N. Co-operative banks and agricultural labour. Indian Co-op. Rev. 9: 249-254. July/Sept. 1943. 280.28 In2

Also in Madras Jour. Co-op. 35: 205-209, Nov. 1943. 280.28 M26

16275 SENGUPTA, SOVONA. Banking reform in India. Indian Jour. Econ. 24(92): 59-65. July 1943. 280.8 In22

16276 STRICKLAND, ROBERT. Aiding agriculture. Burroughs Clearing House 28(5): 13-15, 48, 49, 50. Feb. 1944. 284.8 B94

Furnishing of credit and advice to farmers by the Agricultural Development and Loan Department of the First National Bank & Trust Company, Macon, Ga.

16277 VITELES, HARRY. Central Bank of Co-operative Institutions in Palestine, Ltd. Rev. Internatl. Co-op. 37: 10-11. Jan. 1944. 280.28 In8B  
Agricultural credit operations of the bank.

16278 WALKER, C. H. Florida citrus leader warns of attacks against co-operatives; efforts to curb present liberal farm loan credit system. Sunsweet Standard 27(9): 8-9. Feb. 1944. 286.83 Su7

### Income

16279 COLLINS, G. P. Wartime farm income: a challenge for sound management. Okla. Agr. Expt. Sta. Current Farm Econ. 17(1): 8-14. Feb. 1944. 100 Ok4

16280 HOW THE farmer spends his money. Co-op Grain Quart. 2(1): 18-20. Winter 1944. 280.28 C7898

Farm income and expenditures.

16281 KRAUSS, E. A. War-time trends in national income. Mag. Wall St. 73: 492-495, 527. Feb. 19, 1944. 286.8 M27

Includes farm income.

16282 PETERSON, C. A. Low farm income threatens welfare of the entire Nation. Dairyland News 14(4): 1, 3. Feb. 28, 1944. 280.28 W752

Thinks farmers should receive a larger proportion of the national income.

16283 WAGGAMAN, M. T. Family allowances in various countries. U. S. Bur. Labor Statis. Bul. 754, 62 p. Washington, 1943. 158.6 B87

Includes family allowances for farmers.

### Inflation

16284 GOS, A. DE. Problèmes de guerre et d'après-guerre. Bul. des Agr. 40(2): 33-34. Feb. 1944. 7 B872

The position of the farmer under inflation.

### Insurance

16285 CARRIER, F. H. A farmer's mutual insurance company. Conn. Circle 7(2): 30-31. Feb. 1944. 280.8 C7632

Activities of the Patrons Mutual Fire Insurance Co.

16286 \*HW. Unfallverhütung in der Landwirtschaft. Schweiz. Bauernztg. 43: 39. Oct. 1943. 280.28 Sch93

The importance of accident insurance for the farmer.

16287 \*ROMMEL, C. Compulsory state hail insurance in Bulgaria. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 37E-47E. Feb. 1943. 280.29 In83

### Taxation

16288 ADAIR, WILLIAM. Pay-as-you-earn anomalies; will Irish workers escape? Farming News and North Brit. Agr. 96(7): 3. Feb. 11, 1944. 10 N82

Taxation of wages of farm labor in Great Britain.

16289 ALLEN, E. D. That "complicated" income tax. Iowa Farm Econ. 10(1/2): 21-23. Jan./Feb. 1944. 275.28 Io92

Instructions to farmers on making income tax returns.

16290 \*BOIXO, BARON DE. Sur la taxation des vins. Prog. Agr. et Vitic. 120: 18-20. July 18, 1943. 14 P94

16291 \*BOIXO, BARON DE. La taxation des vins. Prog. Agr. et Vitic. 119: 197-199. June 13/20, 1943. 14 P94



16292 GARDINER, R. S. The farmer and his taxes. Roy. Soc. England. Jour. 104: 191-206. 1943.

10 R81

16293 GRIFFITH, WYN. The farmer's part in "pay as you earn." Farmers Weekly [London] 20(6): 29. Feb. 11, 1944. 10 F2226

Tax deductions from farm wages.

16294 PAY AS you earn. Natl. Farmers' Union. N. F. U. Rec. 22: 73. Feb. 1944. 281.9 N21

Wage deductions for income tax purposes for agricultural workers.

16295 "PAY AS you earn" for agricultural workers. Land Worker 25(296): 7. Jan. 1944. 283.8 L22

Income tax deductions from wages.

16296 ROSS, R. C. Here's help with your income tax. Successful Farming 42(3): 34, 64-65. Mar. 1944. 6 S42

Information for farmers.

16297 STEWART, C. L. Farm realty values. Appraisal Jour. 12(1): 14-30. Jan. 1944. 282.8 Am3

Appraisal for taxation, based upon a case-study of an area in Fairfield County, Conn.

16298 PROUT, CLARENCE. Tax-forfeited land problems are tackled by Itasca County [Minn.]. Conserv. Volunteer 6(37): 39-42. Nov./Dec. 1943. 279.8 C765

16299 VENEGAS GÓMEZ, SANTIAGO, QUIJANO, M. A., and DÍAZ CADENA, ROBERTO. Catastros bases para la liquidación del impuesto de valorización. Tierras y Aguas 5(57/58): 66-70. Sept./Oct. 1943. 282.8 T44

16300 \*WUTH. Steuervergünstigungen bei einberufungen; für den fleischermeister wichtige neuere einzelbestimmungen. Deut. Fleischer-Ztg., No. 68, p. 2. June 16, 1943. 286.85 D482

Includes income and land taxes.

#### AGRICULTURAL LABOR AND WAGES

16301 \*BG. Zwei jahre arbeitseinsatz. Schweiz. Bauernztg. 43: 11. Mar. 1943. 280.28 Sch93

Statistics on the agricultural labor program.

16302 BRACKEN, A. F. Job analysis as a means of saving labor on farms. Utah Farmer 63(12): 12, 15. 19. Feb. 10, 1944. 6 D45

16303 BRUTON, P. G. Farm labor supply for 1944. U. S. Bur. Agr. Econ. Agr. Situation 28(2): 18-20. Feb. 1944. 1 Ec7Ag

16304 BRUTON, P. G. Labor and the 1944 food program. Amer. Grocer 151(8): 42-44. Feb. 23, 1944. 286.83 Am32

Labor supply and wage rates.

16305 BRUTON, P. G. Recruiting field labor. Food Packer 25(4): 70, 72. Mar. 1944. 286.83 C165

Also in Canner 98(14): 38, 40, 42. Mar. 4, 1944. 286.83 C16

16306 CAMERON, W. C. Scarcity of labor affects cheese and butter grades. Canad. Dairy and Ice Cream Jour. 23(2): 37-38, 53. Feb. 1944. 44.8 C162

16307 \*COSTA, A. A. Açúcar de Moçambique; Incomati Estates, Limited. Moçambique 9(34): 91-103. June 1943. 110 M71

Includes discussion of the labor employed.

16308 \*DESMIRANU, V. Migratory agricultural labourers in Hungary in the year 1941. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.], 34: 124S-126S. Mar. 1943. 251 In8B

16309 DIXON, PETER. Balancing the dairy farm budget may be a matter of teamwork. Farmers Weekly [London] 20(4): 31. Jan. 28, 1944. 10 F2226

Labor economies.

16310 DUNCAN, J. F. The future of farm labour; why all desire to be tractor-men. Farming News and North Brit. Agr. 96(1): 25. Jan. 1944. 10 N82

16311 DUNN, E. B. Wage rates of hired farm labor. Natl. Indus. Conf. Bd., Inc. Mangt. Rec. 6: 40-41. Feb. 1944. 283.9 N212C0

16312 FEAR, GRANT. Cultivations on contract. Farmers Weekly [London] 20(6): 28. Feb. 11, 1944. 10 F2226

Suggestions for letting out farm operations on contract.

16313 FERGUSON, D. B. Labor requirements of canning crops. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3550-3552. Feb. 1944. 280.8 C812

16314 FITZSIMMONS, JOHN. The 1944 farm labor front in Iowa. Iowa Farm Econ. 10(1/2): 15, 24. Jan./Feb. 1944. 275.28 Io92

16315 HAM, W. T. Stabilization of farm wages. U. S. Bur. Agr. Econ. Agr. Situation 28(1): 18-21. Jan. 1944. 1 Ec7Ag

16316 HUNTER, F. W. The canning plant labor outlook for 1944. Canner 98(12): 16, 50. Feb. 19, 1944. 286.83 C16

16317 HUNTER, F. W. Recruiting of cannery labor. Food Packer 25(4): 68, 70. Mar. 1944. 286.83 C165

Also in Canner 98(14): 42, 44. Mar. 4, 1944. 286.83 C16

16318 \*HW. Förderung der landarbeitstechnik. Schweiz. Bauernztg. 43: 42. Nov. 1943. 280.28 Sch93

16319 IBARBURU, ANGEL. Problemas sociales de la campaña. Fed. Rural, Uruguay. Rev. (3ra epoca) 6 (25): 102. Oct. 1943. 9.9 R322

Suggestions for labor legislation.

16320 KEESLING, F. V., JR. Selective service. Food Packer 25(4): 64. Mar. 1944. 286.83 C165

Military deferment of workers in food processing industries.

Also in Canner 98(14): 44, 46. Mar. 4, 1944. 286.83 C16; Amer. Grocer 151(8): 45-46. Feb. 23, 1944. 286.83 Am32

16321 LESLIE, J. C. Labour organization in Essex. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 472-476. Jan. 1944. 10 G79J

16322 LÓPEZ CASTRO, AMADEO. Futuro económico: postulados de Atlantic City. Rev. Mac. [Habana] 3(25): 5. Dec. 1943. 280.8 R3295

Cuba's agricultural problems in the light of the requirements of the U. N. R. A.

16323 \*NEKRASOVA, O. Novym pod'emom sotsialisticheskogo sorevnovaniia usilim pomoshch' frontu. Sovkhoznoe Proizvodstvo 3(8): 27-29. Aug. 1943. 20 So85

Discusses the high productivity of the agricultural workers on the state farms.

16324 PERKINS, FRANCES. A suggested labor policy in the food canning and packing industry, for the postwar period. Food Packer 25(3): 21-22. Feb. 15, 1944. 286.83 C165

16325 RODRIGUES DE SOUZA, J. M. La situación de la campaña y los salarios rurales. (Concl.) Diario Rural 4(335): 13. Dec. 4, 1943. 9.9 D54

16326 ROE, A. J. How Ontario has formed a land army to meet the shortage of help on farms. Country Guide 62(6): 47, 53. June 1943. 7 G76

16327 \*SANZ ORRIO, FERMÍN. Conferencia pronunciada... en la Escuela Social de Madrid, el día 23 de enero de 1943. Surco [Madrid] 2(12, sup.): 1-4. Feb. 1943. 15 Su7

Relation between the State and the syndical organization in the field of labor.

16328 \*SCHROPP, KARL. Betriebswirtschaftliche massnahmen zur ersparung von arbeitskräften. (To be cont.) Mitt. f. die Landw. 58: 543-544. July 10, 1943. 18 D48M

Farm labor.



16329 TESKE, A. H. The 1944 labor problems in the fruit-growing industry. Va. Fruit 32(1): 102-107. Jan. 1944. 81 V81B

16330 \*VIVET, E. La question de la main-d'oeuvre agricole dans le Département d'Oran. Rev. Agr. de l'Afrique du Nord 41: 70-71. Apr. 23, 1943. 80 R326

16331 \*WITTERN. Helfer der landwirtschaft; arbeitsbedingungen, verpflegung und massnahmen bei arbeitsverweigerung. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 422. July 31, 1943. 18 B34W

#### Women

16332 ALWAY, L. D. A job well done. Womans Press 38(3): 118, 119. Mar. 1944. 110 W84

Work done in California by girl farm aides.

16333 \*DERLITZKI. Gesünderes landvolk - durch arbeitsentlastung der bäuerin. Umschau 47: 212-214. Sept. 1943. 474 Um7

Time, energy, and labor-saving techniques for farm operations performed by women.

16334 HALL, F. L. Higher 1944 agricultural goals bring mounting need for women farm help; recruitment, training, placement are supervised by Women's Land Army; some 23,216 placed last summer. Victory Bul. 5(4): 4. Feb. 5, 1944. 280.8 V663

16335 \*KOLL, JOSEF. Der hofpate ist helfer; zusammenarbeiten gegen ein absinken der leistung! Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 375. July 3, 1943. 18 B34W

Help for the farm woman in managing the farm.

#### Youth

16336 CLINTON, I. L. Boys and girls employed in agricultural programs--1943. U. S. Children's Bur. The Child 8: 115-121. Feb. 1944. 158.2 C483

Review of emergency programs for employment of urban youth in agriculture.

16337 HEAD, W. W. Boy Scouts offer their aid to agriculture. Seed World 55(3): 12-13. Feb. 4, 1944. 61.8 Ss52

Farm work by Boy Scouts.

16338 KNIGHT, F. B. Youth can give more on the farm labor front. U. S. Ext. Serv. Ext. Serv. Rev. 15(2): 21. Feb. 1944. 1 Ex892Ex

16339 \*KOLOBKOVA, E. Molodezh' - reshauishchaia sila v sovkhoe [Young people - a decisive labor power in the state farm]. Sovkhoznoe Proizvodstvo 3 (10/11): 17-20. Oct./Nov. 1943. 20 So85

16340 \*L., F. Leistungswettstreit der jugend. Landesbauernschaft Niederschlesien. Wchnbl. 10: 593. Nov. 13, 1943. 18 S13

Cooperation of farm youth in the production effort.

16341 \*STROBL, LORENZ. Tausend kinderhände voll blühen. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 374. July 3, 1943. 18 B34W

Work being done by school children in gathering herbs.

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

16342 ADAIR, WILLIAM. The nation's food policy; Labour Party adopts Sir John Orr's programme. Farming News and North Brit. Agr. 96(4): 3. Jan. 21, 1944. 10 N82

16343 ADAIR, WILLIAM. Retrospect and prospect; farmers' part in the war. Farming News and North Brit. Agr. 96(1): 21, 23. Jan. 1, 1944. 10 N82

16344 \*AKERS, B. H. Produce more in 44. Farmer 62(4): 1. Feb. 19, 1944. 6 F2211

Food production goals.

16345 \*\*ALLEN, W. H. Agriculture in the State of New Jersey. Americana 37(4): 654-717. Oct. 1943. Noted in Current Geog. Pubs. 7(1): 8, processed. Jan. 1944. 241.6 Am3

16346 ANKER, D. L. W. American agriculture at war. Okla. Agr. Expt. Sta. Current Farm Econ. 17(1): 15-19. Feb. 1944. 100 Ok4

16347 AROSTEGUY, A. J. Reforma agraria. Fed. Rural, Uruguay. Rev. (3ra epoca) 6(25): 113-114, 116-118. Oct. 1943. 9.9 R322

The livestock industry, rural population, and the land system.

16348 \*BACKE, HERBERT. Beispielhafte leistung der nationalsozialistischen agrar- und ernährungs-politik. Landesbauernschaft Niederschlesien. Wchnbl. 10: 534. Oct. 9, 1943. 18 S13

Summary of the address.

16349 \*BOETTNER. Massnahmen zur leistungssteigerung der landwirtschaft in Serbien. Mitt. f. die Landw. 58: 777-778. 1943. 18 D48M

16350 BRESSMAN, E. N. Inter-American cooperation in agriculture. U. S. Dept. Com. Foreign Com. Weekly 14(4): 5-7, 19. Jan. 22, 1944. 157.54 F8

Agricultural development and research programs in Latin America.

16351 BRISEBOIS, E. L'agriculture dans le district No. 4 [Quebec]. Terre de Chez Nous 14, 1. e. 16(8): 13. Nov. 24, 1943. 7 T27

16352 CABEZA DE VACA, JESÚS. La agricultura nacional en breves lineas; dos interrogantes. Ceres [Spain] 4(41): 27. Nov. 1, 1939. 15 C33

Agricultural problems and suggested policy.

16353 CATÃO, D. D. Um oasis mal aproveitado. Observador Econ. e Financ. 8(92): 27-40. Sept. 1943. 280.8 Ob72

Agricultural conditions of and an agricultural policy for the Salitre oasis in the São Francisco Valley of Brazil.

16354 \*CAVERO, MIGUEL. Egipto y su agricultura. Surco [Madrid], No. 5, p. 14-17. July 1942. 15 Su7

16355 CHAVARRIA, R. A. An agricultural look at Costa Rica. Better Crops with Plant Food 28(1): 16-19, 38-39. Jan. 1944. 6 B46

Agriculture and its possibilities. Includes soil problems.

16356 CLAYTON, H. G. Farmers are winning this war. Fla. Grower 52(2): 8. Feb. 1944. 80 F6622

1944 food production goals and prospects in Florida

16357 COPELAND, E. W. Production of food, feed, fiber; featured in 1944 AAA [Agricultural Adjustment Agency] program. Ark. Farmer 46(2): 9. Feb. 1944. 6 Ar42

16358 DE LA WARR, LORD. British agriculture today and tomorrow. Weekly Market News and Mod. Farmer 22(5): 2. Feb. 2, 1944. 286.81 G762A

16359 \*DESMIREANU, V. The uniform and permanent regulation of agricultural production and compulsory delivery of agricultural products in Hungary. Internat. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internat. Rev. Agr.] 34: 158S-164S. Apr. 1943. 251 In8B

16360 FALCONER, J. I. Our job for 1944. Ohio Farmer 193(5): 5. Mar. 4, 1944. 6 Oh3

Agricultural production goals for Ohio.

16361 FREEMAN, C. J. Why production needs to be planned. Farm Dairy 30(27): 2. Mar. 3, 1944. 6 F2279

Agricultural programs and food management.

16362 GONI, RAMÓN. Nuestra tierra. Buenos Aires y la Pampa 7(70): 20. Oct. 1943. 9 B868

Productivity of Argentina.



- 16363 GUIMARÃES, LEAL. A margem do código rural do Uruguai. Rev. de Direito Agr. 1: 97-99. Mar. 31, 1943. 281.8 R323  
Uruguay's rural code and points that might be adopted in Brazil.
- 16364 GUTIÉRREZ PELÁEZ, HIGINIO. "No bastan las buenas intenciones." Economista [Mexico], 10(119): 39-40. Feb. 1, 1944. 280.8 Ec793  
Criticizes agricultural legislation.
- 16365 HECHT, J. S. Fallacies of "cheap" food. Farmer & Stock-Breeder 58: 145. Jan. 25, 1944. 10 F228  
The effect upon the farmer of a policy of giving the public food at low prices.
- 16366 \*HERGENRÖDER, ADOLF. Erzeugungsschlacht: rückblick und ausblick. Landesbauernschaft Bayern. Wohnbl. Ausg. A 133: 566. Oct. 23, 1943. 18 B34W  
16367 ITALY is nation of small farms. Co-op Grain Quart. 2(1): 29-32. Winter 1944. 280.28 C7898  
Description of Italian agriculture.
- 16368 JOHNSON, S. E. The why of the 1944 agricultural goals. U. S. Bur. Agr. Econ. Agr. Situation 28(2): 9-11. Feb. 1944. 1 Ec7Ag  
16369 JONES, E. W. Impressions of American agriculture. Nation's Agr. 19(2): 10. Feb. 1944. 280.82 B89  
16370 JONES, W. H. War-time farming in Pembroke-shire. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 503-508. Feb. 1944. 10 G79J  
16371 KEITH, JAMES. Reflections on four years of war cultivations. Scot. Jour. Agr. 24: 200-205. Jan. 1944. 10 Sco82So  
Changes in agriculture brought about by the war and the effects of the food production campaign upon different types of farms.
- 16372 \*KLING, FRIEDRICH. Die ertragssteigerung eines betriebes in der kriegszeit. Mitt. f. die Landw. 58: 705-707. Aug. 28, 1943. 18 D48M  
16373 \*KÖRNER, HELLMUT. Planmäßiger aufbau der ukrainischen landwirtschaft. Mitt. f. die Landw. 58: 712-714. Aug. 28, 1943. 18 D48M  
16374 \*KRISTMUNDSSON, GUNNL. Bóddinn og bújörðin. Búnaðarfélag Íslands. Búnaðarrit 56: 60-78. 1943. 11 B88  
A brief history of agriculture in Iceland from the earliest settlers to the present time.
- 16375 LÉTOURNEAU, FIRMIN. Varennes agricole. Terre de Chez Nous 16(13): 6, 9; (14): 6; (15): 6, 20. Dec. 29, 1943; Jan. 5, 12, 1944. 7 T27  
Population, land, climate, and agriculture of Varennes, Québec.
- 16376 \*LEYVA Y ANDÍA, JUAN DE. El Centro de Estudios de Derecho Agrario. Surco [Madrid], 2(13): 19-20. Mar. 1943. 15 Su7  
This Spanish organization studies the history of agricultural legislation and the field of foreign comparative law and prepares data for new legislation.
- 16377 MAC COLL, E. D. Reforma agraria. Diario Rural 4(343): 16. Jan. 1, 1944. 9.9 D54  
Considerations involved in the adoption of an agricultural program in Uruguay.
- 16378 MAC COLL, E. D. Réplicas a críticas injustas. Diario Rural 4(336): 16. Dec. 8, 1943. 9.9 D54  
Refutation of charges made in the press regarding Uruguayan agriculture.
- 16379 MCEWEN, W. H. Feeds - fertilizers - finance - fighting - farmers. Marit. Farmer 49(11): 7. Mar. 7, 1944. 7 C77  
A review of agricultural problems in Canada.
- 16380 MANSON, T. B. Canadian agriculture. Scot. Jour. Agr. 24: 195-200. Jan. 1944. 10 Sco82So  
Includes the crops produced.
- 16381 MARESCALCKI, ARTURO. La actividad agrícola en Italia. Ceres [Spain], 4(42): 38-39. Dec. 1, 1939. 15 C33  
Production goals and policy.
- 16382 \*MATA, MIGUEL DE. Tarragona agrícola. Surco [Madrid], No. 9, sup., p. 3, 5. Nov. 1942. 15 Su7  
The agriculture of Tarragona.
- 16383 MOULD, EDWIN. Round Roundbarrow Farm. Field 183: 123. Jan. 29, 1944. 10 F45  
Activities on the farm.
- 16384 MUNOZ, M. A. Informe acerca del Cantón de Poás, de la Provincia de Alajuela, en sus aspectos agrícola e industrial. II-III. Rev. de Agr. [Costa Rica], 15: 483-485, 487, 549-556. Nov., Dec. 1943. 8 Esl  
On the crops grown and a future policy for agriculture.
- 16385 MYERS, W. I. Looking back at 1943 and ahead at 1944 in New York agriculture. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3530-3531. 3536-3537. Feb. 1944. 280.8 C812
- 16386 OLARIAGA, NEMESIO DE. El campo y sus problemas. Buenos Aires y la Pampa 7(70): 14-16. Oct. 1943. 9 B868  
16387 PALMEIRA, J. S. Código rural. Rev. de Direito Agr. 1: 100-103. Mar. 31, 1943. 281.9 R323  
Agricultural conditions in Brazil which make the setting up of a rural code a necessity.
- 16388 \*PERPIÑA, ROMÁN. Plantaciones de cafetos en Guinea. Surco [Madrid], 2(13): 5-6. Mar. 1943. 15 Su7  
The establishment of coffee plantations and factors affecting yield.
- 16389 \*PESCE, G. International chronicle of agriculture: Italy. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 30E-34E. Jan. 1943. 280.29 In83  
Includes economic organization of agriculture, production programs, and pooling and distribution of foodstuffs.
- 16390 PLANTE, J.-A. L'agriculture dans les comtés de Beauce et Frontenac. Terre de Chez Nous 16(13): 9. Dec. 29, 1943. 7 T27  
16391 PLUMB, C. O. The future - - subsidy or efficiency. West. Farm Life, Herdsmen Ed. 46(3): 5, 7. Feb. 1, 1944. 6 R153  
The future of the small subsistence farmer.
- 16392 POWELL, J. S. Agriculture in Costa Rica. Pan Amer. Union. Amer. Agr. Ser. [3], 51 p. Washington, 1943. 150.9 Am33  
16393 POWELL, J. S. Agriculture in the Dominican Republic. Pan Amer. Union. Amer. Agr. Ser. 2, 27 p., processed. Washington, 1943. 150.9 Am33  
16394 RAMAMURTHI, S. V. Economic development of Rayalaseema. Madras Jour. Co-op. 35: 210-214. Nov. 1943. 280.28 M26  
Agricultural development.
- 16395 \*RAUPP. Ertragssteigerung durch grundstückszusammenlegung! Landnutzungsaustausch auf kriegsdauer. Landesbauernschaft Bayern. Wohnbl. Ausg. A 133: 488A. Sept. 4, 1943. 18 B34W  
16396 \*REINHARDT. Erzeugungsschlacht im Frank-reich. Mitt. f. die Landw. 58: 535-537. July 3, 1943. 18 D48M  
Agricultural resources and possibilities in France.



- 16397 ROCA, BLAS. La Cuba mejor: en un capitalismo nacionalista. Rev. Nac. [Havana] 2(24): 17. Nov. 1943. 280.8 R3295  
An economic program, including agriculture.
- 16398 ROSENFELD, MAXIMILIAN. Farming in Czechoslovakia. New Zeal. Farmer 64(23): 6-7. Jan. 13, 1944. 23 N484
- 16399 SAGUENAY, JEAN. Les problèmes d'après-guerre. Terre de Chez Nous 16(17): 9. Jan. 26, 1943. 7 T27  
The fixing of a minimum price for agricultural products and rural electrification are needed to make farming attractive in Quebec.
- 16400 \*SÁNCHEZ DUARTE, JULIÁN. Europa entera dicta medidas para incrementar la producción. Surco [Madrid] 2(11): 20-21. Jan. 1943. 15 Su7  
Measures for the control of agriculture.
- 16401 SCOTT, R. C. The work of District War Agricultural Committees. So. Austral. Dept. Agr. Jour. 47: 3-5. Aug. 1943. 23 So84
- 16402 SCOTTISH agriculture in war time. Scot. Jour. Agr. 24: 206-220. Jan. 1944. 10 Sco82So
- 16403 SEACREST, J. W. Agriculture in South America. Pan American 4(8): 7-8. Jan. 1944. 280.8 P192
- 16404 SKILLMAN, E. E. Food production in Malta G. C. during the 1942 siege. Agriculture (Jour. Min. Agr. Ct. Brit.) 50: 481-487. Feb. 1944. 10 G79J
- 16405 SKYBERG, H. F. How can the farmer meet 1944 production goals? Minn. Seed Grower 19(7): 1, 4. Feb. 1944. 61.8 M66
- 16406 \*SNELLER, Z. W. Het tweeledig karakter van den Nederlandschen landbouw. De Fransche tijd. Econ. Statist. Ber. 28: 237-239. July 1943. 280.8 Ec722
- 16407 \*SNELLER, Z. W. Het tweeledig karakter van den Nederlandschen landbouw. De nieuwe tijd. Econ. Statist. Ber. 28: 250-251. Aug. 11, 1943. 280.8 Ec722  
Agriculture in the Netherlands in the nineteenth and twentieth centuries.
- 16408 SOSA, R. R. Enmiendas al código rural por la Sociedad Rural de Rio Negro. Fed. Rural, Uruguay Rev. (3ra epoca) 6(25): 42-44, 46-47. Oct. 1943. 9.9 R322
- 16409 STRONG, A. L. Soviet farms wage war. Soviet Russia Today 12(11): 12-14, 34. Mar. 1944. 280.8 So89
- 16410 \*SVENSSON, HEINZ. Norwegens beitræg sur europæischen erzeugungsschlacht. Mitt. f. die Landw. 58: 557-558. July 10, 1943. 18 D48M  
Agricultural resources in Norway.
- 16411 TRUDEL, FRÉDÉRIC. Les cultures spéciales du district agricole numéro quatre [Quebec]. Terre de Chez Nous 14, 1. e. 16(10): 17. Dec. 8, 1943. 7 T27
- 16412 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b.). O neotlozhnykh merakh po vosstanovleniiu khoziaistva v raionakh, osvobodivshiesia ot nemetskoi okkupatsii [Concerning imperative measures of reconstruction in the liberated regions]. Sovkhozhnoe Proizvodstvo 3(8): 5-26. Aug. 1943. 20 So85
- 16413 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b.). Ob uborke urozhaiâ i zagotovkakh sel'skokhoziaistvennykh produktov v 1943 g. [Concerning the harvest and the preparation of agricultural products in 1943]. Sovkhozhnoe Proizvodstvo 3(6/7): 1-10. June/July, 1943. 20 So85
- 16414 VÁLDES DE LA PAZ, OSVALDO. Una clase esclava: la del irredento campesino. Rev. Nac. [Havana] 2(21): 23. Aug. 1943. 280.9 R3295  
Cuban agricultural problems.
- 16415 \*VALMAÑA DE LEDESMA, J. M. Unas palabras sobre economía agraria. Surco [Madrid] No. 8, p. 4. Oct. 1942. 15 Su7  
Problems of Spanish agriculture.
- 16416 \*\*VOLIN, LAZAR. German invasion and Russian agriculture. Russian Rev. 3(1): 75-88. Autumn 1943.  
Noted in Current Geog. Pubs. 7(1): 16, processed. Jan. 1944. 241.6 Am3
- 16417 WATSON, J. A. S. American notes. Scot. Jour. Agr. 24: 182-190. Jan. 1944. 10 Sco82So  
A survey of agriculture in the United States.
- 16418 WATSON, J. A. S. Canadian farming in wartime. Roy. Soc. England. Jour. 104: 171-176. 1943. 10 R81  
A survey of problems and policies.
- 16419 WERNICKE, F. R. I. Algunas observaciones sobre el estado actual de la agricultura peruana. (To be cont.) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1630): 34-36. Dec. 27, 1943. 287 B866  
On the crops produced.
- 16420 WILKSCH, H. Controlling the primary production gamble. So. Austral. Dept. Agr. Jour. 47: 226-228. Dec. 1943. 23 So84  
Production controls in agriculture.
- 16421 WILLKIE, W. L. "We must go forward!" Successful Farming 42(3): 19, 48, 50. Mar. 1944. 6 Sul2  
Views on agriculture.
- Agriculture, Post-War
- 16422 BARTLETT, VERNON. British farms must give us freedom from want. Dairy Farmer 17(2): 7-8. Feb. 1944. 44.8 D1414
- 16423 BEAUMONT, J. H. Our post-war agriculture in Hawaii. Hawaii Farm and Home 7(2): 5. Feb. 1944. 25 H3191
- 16424 BRANDT, JOHN. Brandt proposes self-help post-war agricultural plan. Ft. I. Markets 12(2): 1, 5. Feb. 24, 1944. 280.38 M343
- 16425 BRITAIN looks ahead. Brit. Inform. Serv. Brit. Off. Statements, v. 3, Sept. 1942 to Sept. 1943, 174 p. N. Y., 1944? 280.9 B773  
Statements on post-war planning, including agriculture and food supply and distribution.
- 16426 CHALMERS, F. S. "Canada, a new market." Canad. Grocer 58(4): 9, 26. Feb. 15, 1944. 286.83 C162  
Includes post-war agriculture in Canada.
- 16427 FLETCHER, S. W. A look at Pennsylvania agriculture in post war period. Pa. Grange News 40(11): 1, 4. Feb. 1944. 6 P38  
Excerpts from an address.
- 16428 FRANKLIN, R. T. British farming after the war. New Zealand Dairy Exporter 19(5): 4-6. Jan. 1, 1944. 44.8 N484
- 16429 LLOYD, E. W. Post-war farming problems. Field 183: 154. Feb. 5, 1944. 10 F45
- 16430 MCCOLL, E. L. Post-war plans for agriculture in Northern Ireland. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 168-170. Feb. 26, 1944. 286.8 C16
- 16431 PATTON, J. G. Full production and employment in agriculture. Okla. Union Farmer 25(3): 2. Feb. 15, 1944. 280.28 Ok4  
Post-war policy and program for agriculture in the United States.  
Also in Farmers Defender 3(2): 8-9. Feb.-Mar. 1944. 280.28 F227



- 16432 REID, DAVID. Linch-pins of post-war farm efficiency. Farmer & Stock-Breeder 58: 229. Feb. 8, 1944. 10 F228
- 16433 RHEE, H. A. Policies for post-war agriculture. Farm Econ. 4: 69-83. Apr./Sept. 1943. 281.8 F223

Summarizes the results of eighteen programs issued by various bodies and interests in Great Britain.

- 16434 RUSSELL, SIR E. J. Agriculture in Europe after the war: What can we do? Roy. Soc. England. Jour. 104: 151-164. 1943. 10 R81

- 16435 SELIGMAN, DOUGLAS. Post-war careers in agriculture. Country Life [London] 95: 204-205. Feb. 4, 1944. 80 C83

- 16436 SOUTHERN N. B. DISTRICT FARMERS' ASSOCIATION. Southern N. B. Farmers' Assn. brief. Marit. Farmer 49(11): 9. Mar. 7, 1944. 7 C77

Brief on agriculture presented to the New Brunswick Committee on Post-war Reconstruction, Nov. 3, 1943.

- 16437 WICKARD, C. R. Agriculture must make its own pattern for the new world of tomorrow. Co-op Grain Quart. 2(1): 2-7. Winter 1944. 280.28 C7898

- 16438 YOUNG, H. W. Post-war agriculture. Va. Polytech. Inst., Ext. Div., Ext. Div. News 26(4): 4, 5, 6. Feb. 1944. 275.29 V81E

#### Subsidies

- 16439 BISSON, J. E. Pour assurer le paiement des primes fédérales aux producteurs. Terre de Chez Nous 16(18): 23. Feb. 2, 1944. 7 T27

Precautions to take in order to obtain Canadian hog production subsidies.

- 16440 BRANDT, JOHN. Subsidies, or a fair price and freedom of enterprise. Twin City Milk Prod. Bul. 27(12): 21-25. Dec. 1943. 44.8 T92

- 16441 A FLOUR subsidy for bakers' bread. Co-op Grain Quart. 2(1): 55-57. Winter 1944. 280.28 C7898

- 16442 HAYWARD, E. G. Where will Federal subsidies lead? N. Mex. Stockman 9(2): 16. Feb. 1944. 49 N462

- 16443 KLEBERG, R. M. Subsidies; stop, look, and listen. Vital Speeches 10: 266-269. Feb. 15, 1944. 280.8 V83

- 16444 MONTGOMERY, DONALD. Subsidy ammunition. Ammunition 1(6): 24-25. Sept. 1943. 283.5 Am6

Arguments for consumer subsidies.

- 16445 O'NEAL, E. A. The subsidy issue. Nation's Agr. 19(3): 7, 18-19. Mar. 1944. 280.82 B89

- 16446 PARK, R. H. Subsidies simplified. Farm Jour. 68(3): 19. Mar. 1944. 6 F2212

- 16447 PEARSON, F. A., and MEYERS, W. I. A case against subsidies. Northwest. Miller 217(8): 6, 37, 41. Feb. 23, 1944. 298.8 N81

Subsidies as a means of price and inflation control.

- 16448 PEARSON, F. A., and MYERS, W. I. Subsidizing price advances. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139. p. 3558-3560. Feb. 1944. 280.8 C812

- 16449 SHEFRIN, FRANK. Agricultural policy: subsidies and bonuses 1943. Econ. Annal. 14(1): 4-8. Feb. 1944. 280.8 Ec75

Includes subsidies for crop and dairy product production in Canada.

- 16450 WYSOR, W. G. The case against subsidies. Crowley's Prod. Bul. 9(8): 3. Feb. 1944. 280.28 C88

Opposes subsidies as a means of price control.

- Also in Nation's Agr. 19(2): 11, 17. Feb. 1944. 280.82 B89

- 16451 \*ZWEIGLER, O. Wieder milchleistungsprämie für die ablieferung 1943! Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 567. Oct. 23, 1943. 18 B34W

#### COST AND STANDARD OF LIVING

- 16452 HARPER, F. A., and CURTISS, W. M. United States level of living rises during war. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139. p. 3547-3549. Feb. 1944. 280.8 C812

- 16453 \*MARINA MARTÍN, M. Elevación de la vida campesina; un ensayo alentador. Surco [Madrid] 2 (14): 23, 25. Apr. 1943. 15 Su7

#### FARM MANAGEMENT AND LAND ECONOMICS

- 16454 ADAMS, W. G. S. The social consequences of agriculture. (To be cont.) Scot. Jour. Agr. 24: 177-182. Jan. 1944. 10 Sco82So

Brings out the problem of making the family farm more efficient, socially and economically, in the rural community.

- 16455 ARANGO, RODOLFO. Empresas agrícolas: la necesidad del técnico. Rev. Nac. [Habana] 2(22): 21. Sept. 1943. 280.8 R3293

The importance of obtaining experts to advise in farm problems.

- 16456 BIERLY, I. R. Fill those empty stalls. [N. Y.] Greene Co. Farm Bur. News 27(6): 3. Feb. 1944. 275.293 N. Y., Greene Co.

Efficient farm management for the purpose of saving time and energy.

- Also in [N. Y.] Allegany County Farm and Home Bur. News 32(2): 8. Feb. 1944. 275.293 N. Y., Allegany Co.

- 16457 \*DÖNHOFF, G. Methodik und technik der wirtschaftsberatung. Mitt. f. die Landw. 58: 871-873. Oct. 23, 1943. 18 D48M

- 16458 FINN, HUGH. Live stock in fruit and vegetable growing. Farmer & Stock-Breeder 58: 186. Feb. 1, 1944. 10 F228

Coordination of different types of farming in order to avoid waste in byproducts.

- 16459 GORDON, DOUGLAS. Hill farming in the west country. Field 183: 164-165. Feb. 12, 1944. 10 F45

Includes labor and profits.

- 16460 GREEN, H. B. Where live stock rank second to seeds. Farmer & Stock-Breeder 57: 2030. Dec. 28, 1943. 10 F228

Management of a farm which is run with a minimum of stock.

- 16461 HARDIN, L. S. How farmers in less productive rural areas can earn a better living. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139. p. 3554-3556. Feb. 1944. 280.8 C812

Suggestions on farm management and practices.

- 16462 \*KÖSTLIN, and GEYER. Der landwirtschaftliche betriebsvergleich. Mitt. f. die Landw. 58: 874-877. Oct. 23, 1943. 18 D48M

- 16463 LAWSON, HUGH. The lesson of Skipton. Dairy Farmer 17(2): 9, 13. Feb. 1944. 44.8 D1414

Land policies of Common Wealth, in Great Britain.

- 16464 \*LÖHR, LUDWIG. Kontrolle und steigerung der landwirtschaftlichen erzeugung durch gemeindeweisen betriebsvergleich. Mitt. f. die Landw. 58: 651-655. Aug. 14, 1943. 18 D48M

- 16465 LOUI, DELLA. Managing your farm: This farm was a lemon, but science sweetened it up. Prairie Farmer 116(5): 8, 31. Mar. 4, 1944. 6 P883B

Successful management and application of agricultural science on the Forehand Farm, in Wisconsin.

- 16466 LOUI, DELLA. Managing your farm; what do you want? Prairie Farmer 116(4): 12, 38. Feb. 19, 1944. 6 P883B

Two examples of successful farmers.



16467 MARTÍNEZ SÁENZ, JOAQUÍN. Catastro: nuevo guión de la economía cubana. Rev. Nac. [Havana] 3(27): 5-6. Feb. 1944. 280.8 R3295

The function of the cadaster.

16468 MAUNEY, ROSS. Agriculture expert gives sound advice to farmers. Mid-South Cotton News 2(28): 1. Feb. 1944. 72.8 C8295

Suggestions on farm practices and management.

16469 MINN. UNIVERSITY. DIVISION OF AGRICULTURAL ECONOMICS. Summary report of the Southeastern Minnesota Farm Management Service, 1940-1942. Minn. Univ. Div. Agr. Econ. Mimeog. Rpt. 141, 28 p. St. Paul, 1943. 281.9 M66

U. S. Bureau of Agricultural Economics and various Minnesota county extension services cooperating.

16470 MINN. UNIVERSITY. DIVISION OF AGRICULTURAL ECONOMICS. Summary report of the Southwestern Minnesota Farm Management Service, 1940-1942. Minn. Univ. Div. Agr. Econ. Mimeog. Rpt. 142, 32 p. St. Paul, 1943. 281.9 M66

U. S. Bureau of Agricultural Economics and various Minnesota county extension services cooperating.

16471 MORSE, T. D. Make adjustments now. Nation's Agr. 19(3): 5, 17. Mar. 1944. 280.82 B89

Suggested adjustments in farm management.

16472 MOSTERT, J. F. T. Warnings for the farming novice. Farmer's Weekly [Bloemfontein] 66: 694-695. Dec. 29, 1943. 24 F225

Farming as an occupation and hints at farm management.

16473 \*PLÄNCKNER, VON. Die reichslandbetriebe in den eingegliederten ostgebieten. Mitt. f. die Landw. 58: 663-664. Aug. 14, 1943. 18 D48M

16474 RAUCH, HARRY. Call for C. F. Farmers Digest 7(10): 23-26. Mar. 1944. 6 F2206

C. F. Seabrook and his Seabrook Farms in southern New Jersey, largest mechanized industrial farm in the United States.

16475 RIOUX, ALBERT. Les ennemis de l'épargne. Terre de Chez Nous 16(6): 16, 23. Nov. 16, 1943. 7 T27

Includes the subject of farmers' savings.

16476 RUMLER, R. H. The Snyders' way with farming. Successful Farming 42(3): 6, 61. Mar. 1944. 6 Sul2

Management of a dairy farm.

16477 \*RYSER, WALTER. Selbstversorgung mit marktproduktion speziell von milch im schweizerischen berggebiet. Schweiz. Milchztg. 69: 318. Sept. 3, 1943. 44.8 Sch92

Factors influencing production for self-sufficiency on farms producing milk for market, including size of farm, and production management.

16478 \*SCHÖNFELDT, HANS. Aufbauarbeit auf einem Reichslandbetrieb im Warthegau. Mitt. f. die Landw. 58: 861-862. Oct. 16, 1943. 18 D48M

Plan of reconstruction and management of a Warthegau farm, 1939-1943.

16479 \*SCHRODER. Ein vollmechanisierter betrieb in der kriegsprüfung. Mitt. f. die Landw. 58: 945-946. Nov. 13, 1943. 18 D48M

Management of an estate in Germany.

16480 SMITH, J. A. Good cows set record in coal country. South. Planter 105(2): 6, 19. Feb. 1944. 6 So89

Management of dairy farm in Carbon County, Pa.

16481 \*SOARES-ZILHAO, J. A carta da Colónia; seu progresso e estado actual. Moçambique 7(26): 73-124. June 1941. 110 M71

Includes cadastral surveys made in Mozambique.

16482 TENENBAUM, J. L. Concepto funcional sobre diversificación en la producción agrícola bajo su aspecto económico; los modos de producir en la industria y en la agricultura. Inst. Agr. Argentino. Re-  
ceñas 3(19): 43-50. 1943. 281.9 B862

16483 WARREN, S. W. Father and son arrangements on the farm; a summary of the experiences on 22 New York farms. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 456, rev., 18 p., processed. Ithaca, 1943. 281.9 C81

16484 WRIGHT, K. T. Farm management in wartime. Mich. Milk Messenger 25(10): 4-5. Feb. 1944. 44.8 M582

#### Cost of Production

16485 BAKER, RALPH, and WHITFIELD, W. R. Will poultry pay in '44? Iowa Farm Econ. 10(1-2): 16-17. Jan.-Feb. 1944. 275.28 I992

Costs and returns in producing poultry and eggs.

16486 BERUBE, BERNARD. Le coût de revient des produits agricoles. Terre de Chez Nous 16(5): 2. Nov. 3, 1943. 7 T27

Difficulties in determining production costs in a country as large as Canada.

16487 BIERLY, I. R. Factors affecting costs and returns in producing milk—labor efficiency. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3544-3546. Feb. 1944. 280.8 C812

16488 BLANCHET, JEAN. Elevons des veaux de lait. Terre de Chez Nous 16(20): 7. Feb. 16, 1944. 7 T27

Profits in raising milk-fed veal.

16489 CUNNINGHAM, L. C. Costs and returns in producing milk in four areas of New York, 1942-43. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3542-3543. Feb. 1944. 280.8 C812

16490 DOVECEA, J. M. Colaboración: Carne, alcohol, caramelos, maíz. Rev. Nac. [Havana] 3(26): 15. Jan. 1944. 280.8 R3295

Financial aspects of production.

16491 FERGUSON, D. B. Costs and returns in growing and harvesting canning factory peas. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 454, 21 p., processed. Ithaca, 1943. 281.9 C81

16492 FERGUSON, D. B. Costs and returns in growing and harvesting canning factory snap beans. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 453, 19 p., processed. Ithaca, 1943. 281.9 C81

16493 KUMPE, J. O. Poultry production will cost more. Ark. Farmer 46(1): 17. Jan. 1944. 6 Ar42

16494 LEGGITT, F. C. "How are my cost accounting figures?" Ask managers of retail [ice cream] stores of Barber Brothers and Legitt. Ice Cream Rev. 27(7): 28, 30. Feb. 1944. 389.8 Ic22

16495 MILES, G. A. What can broiler grower do about production costs. Peninsula Broiler Jour. 3(19): 1. Feb. 7, 1944. 47.8 P37

16496 VALDIVIESO, J. L. P. Pellejas Sugar Cane Plantation. Sugar Jour. 6(7): 11-13, 20-24. Dec. 1943. 65.8 Su391

Statement of income and costs of operation, submitted in public hearings on wage determination and sugar mill practices, held in Atheneo, Puerto Rico, Nov. 1943.

16497 WEBER, K. C. Cost of production principles given comparison with parity theories. Farmers Guild News 2(11): 4. Feb. 1944. 281.8 F228

#### Farm Bookkeeping and Records

16498 DEGRAFF, H. F., and STONE, GENEVIEVE. Individual factors and annual averages from farm cost accounts, 70 farms [New York State] — 1942. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 460, 33 p., processed. Ithaca, 1943. 281.9 C81

16499 \*GEITH. Aufgaben der buchführung im bäuerlichen betrieb. Mitt. f. die Landw. 58: 565. July 10, 1943. 18 D48M



16500 KLEVAY, L. M. He knew what he was doing. Amer. Poultry Jour., Mar. 1944, p. 6, 32-33. 47.8 Am32

Accurate records of production, costs, and profits, enable J. S. Corpe, of Colfax, Ill., to manage his poultry flock efficiently.

16501 \*NEDELIN, S. Uprostit' uchët i otchetnost' v sovkhosakh [Simplified accounting in the state farms]. Sovkhoznoe Proizvodstvo 3(9): 20-22. Sept. 1943. 20 So85

#### Farms - Number and Size

16502 \*TCHERKINSKY, M. The economic importance of the various size groups of farms in European agriculture. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 1E-30E, 47E-70E. Jan.-Feb. 1943. 280.29 In83

#### Land Settlement and Colonization

16503 AUSTRALIAN DRIED FRUITS ASSOCIATION. An analysis of the economics of the Australian dried fruits industry. Austral. Dried Fruits News 20(4): 12-15. Dec. 1943. 286.83 Au72

Statement prepared by Peter Malloch.

Includes possibilities of expansion of the industry for soldier settlement.

16504 BAVAJ, A. Un nuevo centro de "bonifica" italiana en Cerdaña: Fertilia. Ceres [Spain] 5(46): 29. Apr. 1, 1940. 15 C33

Plan and construction of the settlement.

16505 BOILY, STÉPHANE. Établissement rural des soldats (Loi agraire de 1942 pour les anciens combattants). Terre de Chez Nous 16(21): 6. Feb. 23, 1944. 7 T27

16506 CHOUINARD, LAURENT. Vaillants pionniers. Rev. d'Oka 18(1): 29-32. Jan./Feb. 1944. 7 Ok1

Settlement history in Viger Canton in Quebec.

16507 \*COSTANZO, G. The small holding: its creation and problems. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 81E-115E. Mar. 1943. 280.29 In83

16508 COUTURE, C. E. Retour à la terre ou maintien au sol. Terre de Chez Nous 16(18): 15, 20. Feb. 2, 1944. 7 T27

Urges the taking of steps to keep the people on the land in Quebec rather than attempts at settlement of those who have left it.

16509 COUTURE, C. E. L'urgence de préparer l'après-guerre. Terre de Chez Nous 16(18): 10. Feb. 2, 1944. 7 T27

Resources and land available for settlement by veterans in Canada, and the numbers of people likely to want to farm.

16510 DUGUÉ, ALEXANDRE. Défaites en gros, victoires en détail. Terre de Chez Nous 14, 1. e. 16 (8): 3. Nov. 24, 1943. 7 T27

Mistakes in settlement policy in Quebec.

16511 GÁNDARA, F. W. El problema agrario colonizador argentino: La educación colonizadora argentina; el crédito personal. El cooperativismo integral y el intercambio. Inst. Agr. Argentino. Reseñas 3(19): 30-36. 1943. 281.9 B862

16512 GRIFFITHS, C. G. Farms for soldiers. New Zeal. Dairy Exporter 19(6): 14-15. Feb. 1, 1944. 44.8 N484

Suggestions for veteran settlement.

16513 MAIR, ALEX. Pitfalls to avoid in planning for successful settlement on land [in Australia]. Farmer and Settler 37(47): 6. Dec. 22, 1943. 23 F226

16514 ROY, J. B. Plan d'établissement rural des soldats. Bul. des Agr. 40(2): 13-14. Feb. 1944. 7 B872

Canada's plans for soldier settlement.

16515 SMATHERS, EUGENE. Calvary Church Homestead Project, Big Lick, Tennessee. Mountain Life and Work 20(1): 4-6. Winter 1944. 281.28 M86

#### Land Tenure

16516 DIAS, J. DE D. DE O. Fatores a considerar na aquisição de uma propriedade. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(1): 80-84. Mar. 1943. 9.2 P432

16517 DONHAM, R. A. Here's a \$64 question: Who is biggest land owner in Indiana? Ind. Farmers Guide 100(5): 23. Mar. 1, 1944. 6 In2

Public lands of Indiana.

16518 \*HW. Von der schattenseite der bodenfreiheit. Schweiz. Bauernztg. 43: 40. Oct. 1943. 280.28 Sch93

Shows changes in ownership of a farm in Switzerland 1820 to 1923 and the prices at which it was sold.

16519 JOHNSON, R. R. This 50-50 farm, lease works. Farm Jour. 68(3): 26, 28. Mar. 1944. 6 F2212

Landlord-tenant relationship.

16520 MADERO, EMILIO. Más iniciativas de leyes. Economista [Mexico] 10(119): 35-36. Feb. 1, 1944. 280.8 Ec793

Legislation on tenure of the small farm.

16521 \*MENCHÉN BENÍTEZ, BARTOLOMÉ. El derecho de retracto en el arrendamiento de fincas rústicas. Surco [Madrid] 2(19): 40-41. Sept. 1943. 15 Su7

16522 \*MEYER i. d. STROTH. Fortbildung des erbhofrechts. Landesbauernschaft Bayern. Wchnbl. Aug. A 133: 554-555. Oct. 16, 1943. 18 B34W

New changes in the German land inheritance law which were published in the Reichsgesetzblatt of Oct. 1, 1943.

16523 \*MEYER i. d. STROTH. Vereinfachungen im erbhofverfahren. Landesbauernschaft Niederschlesien. Wchnbl. 10: 367. July 3, 1943. 18 S13

Wartime changes in the German land inheritance law.

16524 PUGA, CÉSAR DE. La reforma agraria: su ocasión mejor, ahora. Rev. Nac. [Havana] 2(21): 15. Aug. 1943. 280.8 R3295

Steps being taken toward an agrarian reform in Cuba. A plan has been submitted which includes division of State lands and resale to farmers, with facilities for payment.

16525 \*SAUER, ERNST. Fortbildung des erbhofrechts. Mitt. f. die Landw. 58: 859-860, 885-886. Oct. 16, 23, 1943. 18 D48M

16526 SPENCE, C. C. The farm lease. Fron. Annal. 14(1): 20-23. Feb. 1944. 280.2 Ec75

16527 \*SZOGS, H. G. Die wiederherstellung des privateigentums im Ostland. Ostwirtschaft 32: 49-51. Apr./May 1943. 280.8 Os7

Restoration of private ownership of property in Ostland.

#### Land Utilization

16528 CROWELL, R. E. The integration of national-forest and county planning in Alcona County, Michigan. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 235-239. 1943. 500 M582

16529 \*DEGRULLY, P. Terres abandonnées et moyens d'exploitation. Prog. Agr. et Vitic. 120: 3-5. July 4/11, 1943. 14 P94

Regulations concerning abandoned and uncultivated lands through a law of February 19, 1943, in France.

16530 HAYDEN, C. A. Less powder, more seed, feed and fertilizers bought by the F. I.'s [Farmers' Institutes]. Less land cleared and more intensive cultivation practised when 8,474 men leave 9,500 B. C. farms. Country Life [Brit. Columbia] 28(2): 11. Feb. 1944. 7 C832



16531 JOHNSTON, W. W. Classification of irrigable lands. Amer. Soc. Civ. Engin. Trans. (1943) 108: 656-671. 290.9 Am3

Discussion, by R. E. Storie, W. W. Weir, W. L. Powers, and W. W. Johnston, p. 672-676.

16532 KELLY, D. K. A county tax map made from aerial photographs. Pub. Works 75(2): 18-20. Feb. 1944. 290.8 M922

Map of Leflore County, Miss., showing types and utilization of land.

16533 \*STEINTHÖRSSON, STEINGR. Hugleiðingar um nýbýlamálið. Búnaðarfélag Íslands. Búnaðarrit 56: 5-38. 1943. 11 B88

Development and use of new land in Iceland.

16534 WALSTER, H. L. The Great Plains makes ideas work. Co-op Grain Quart. 2(1): 46-52. Winter 1944. 280.28 C7898

Agricultural and land-use potentialities of the Great Plains.

#### Land Values and Valuation

16535 BENTLEY, R. C., and MURRAY, W. G. Big rise in Iowa land prices. Iowa Farm Econ. 10(1-2): 10-11. Jan.-Feb. 1944. 275.28 I92

16536 BROWN, F. T. Sold!--to the highest bidder. Iowa Farm Econ. 10(1-2): 12-14. Jan.-Feb. 1944. 275.28 I92

Farm auction sales.

16537 COKE, J. Another land boom? Econ. Annal. 14(1): 12-14. Feb. 1944. 280.8 Ec75

Price trends of agricultural land in Canada.

16538 COLLINS, H. G. "Productivity in relation to the valuation of country lands." Valuer 8(1): 26-30. Jan. 1, 1944. 282.8 V24

16539 LAPLANTE, RODOLPHE. Pour prévenir le choc en retour. Bul. des Agr. 40(2): 32. Feb. 1944. 7 B872

On the wartime land boom.

16540 LISSNER, WILL. The boom in farm land values. Amer. Jour. Econ. and Sociol. 3: 238. Jan. 1944. 280.8 Am393

16541 MOORE, H. R. Some trends in the farm real estate situation. Ohio. Agr. Expt. Sta. Bimo. Bul. 29(226): 74-76. Jan.-Feb. 1944. 100 Oh35

Based on a study of land transfers and prices in three sample counties in Ohio.

16542 NELSON, L. I. Are we headed for trouble again? Com. West 87(8): 11-12. Feb. 19, 1944. 286.8 C733

Growing inflation in land prices, and its dangers.

#### POPULATION

16543 BLANCHET, JEAN. Nos paroisses rurales à l'oeuvre: St-Luc de Matane. Terre de Chez Nous 16 (15): 7, 20. Jan. 12, 1943. 7 T27

Population and agriculture.

16544 \*BÖCKER, HUGO. The decline of the population occupied in agriculture, its causes and its economic and social effects. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.], 33: 365E-426E. Dec. 1942. 280.29 In83

16545 COKE, J., and SHEFRIN, F. From 86.9 p. c. on land in Canada in 1851, decrease to 27.5 p. c. is registered in 1941. British Columbia is most urbanized province with only 13 percent on farms. Country Life [Brit. Columbia] 28(2): 9. Feb. 1944. 7 C832

16546 \*GAY, VICENTE. El problema fundamental del campo. Surco [Madrid], No. 7, p. 17-19. Sept. 1942. 15 Su7

The problem of the rural exodus and importance of the rural population.

16547 \*RICO, PEDRO. El ciclo económico en la explotación del agro. Surco [Madrid] 2(14): 2-3. Apr. 1943. 15 Su7

The problem of the rural exodus in Spain.

16548 "SUASI." La descongestión de las urbes. Ceres [Spain] 5(46): 15. Apr. 1, 1940. 15 C33

Improvement of rural living conditions as a means of counteracting the rural exodus.

16549 VIDAL, BRAULIO. La descongestión de la urbe. Ceres [Spain] 5(45): 17-18. Mar. 1, 1940. 15 C33

The problem of the rural exodus.

16550 WARNECKE, GEORGE. America's internal migration may have lesson for Australia. Farmer and Settler 37(47): 6. Dec. 22, 1943. 23 F226

On the population drift from cities to small towns and the farm boom.

#### RURAL SOCIAL ORGANIZATION

16551 DAWBER, M. A. A new day for the mountains. Mountain Life and Work 20(1): 9-13. Winter 1944. 281.28 M86

The land and economic problems of the mountain areas, with suggestions for educating the people to move to other regions which will give them a living and for improving the agriculture of those that remain.

16552 \*DEGRULLY, P. Le vrai rôle du "chef de terre." Prog. Agr. et Vitic. 120: 81-83. Sept. 5, 1943. 14 P94

Function and importance of the farmer.

16553 HATCH, SPENCER. Rural reconstruction in Mexico: self-help method for all-round rural development. Appl. Anthropol. 2(4): 17-21. July-Sept. 1943. 280.8 Ap5

16554 HOOPER, OFELIA. Possibilities for improvement of economic and social conditions among rural Panamanians. Appl. Anthropol. 2(4): 4-10. July-Sept. 1943. 280.8 Ap5

16555 LANDIS, B. Y. The farm and the public interest. Woman's Press 38(3): 119. Mar. 1944. 110 W84

Need for improvement of social conditions on farms.

16556 MCCLUSKY, H. Y. Give rural youth a chance. Nation's Agr. 19(2): 4, 16, 17. Feb. 1944. 280.82 B89

Notes the need for vocational guidance, greater opportunity for farm ownership, and social recreation.

16557 REUTHER, R. B. What is essential to be a successful farmer? So. Austral. Dept. Agr. Jour. 47: 229-230. Dec. 1943. 23 So84

16558 \*ROEMER, K. H. Die selbstverantwortlichkeit des betriebsführers. Landesbauernschaft Sachsen. Wchnbl. 91: 341. July 31, 1943. 18 Sal

The farmer's duty as a producer and consumer.

16559 TORRES GÓMEZ, D. P. Readaptación del liberado por su incorporación al medio rural. Inst. Agr. Argentino. Reseñas 3(19): 17-23. 1943. 281.9 B862

Rehabilitation of paroled prisoners on the farm.

16560 TOWNER, J. J. La sociologie rurale. Rev. d'Oka 18(1): 33-34. Jan./Feb. 1944. 7 Ok1

Theory of rural sociology.

#### Institutions

16561 ARANGO ARANGUREN, J. C. ¡Conquistemos las tierras! Labor 3(54): 2. Jan. 30, 1944. 8 L11

Function of the rural school in Cuba.

16562 BARCO, G. F. Fomento de los clubes avícolas. Pampa Argentina 17(196): 1-2. Dec. 1943. 9 P19



- 16563 BELLINGRATH, G. C. The farm settlement of the Rabun Gap-Nacoochee School. *Mountain Life and Work* 20(1): 7-8. Winter 1944. 281.28 M86  
Describes a program under which each family is given a farm to work in connection with the course of study.
- 16564 CLARK, J. M. An inter-American pattern for war-area rehabilitation. *Amer. Jour. Econ. and Sociol.* 3: 217-224. Jan. 1944. 280.8 Am393  
General and agricultural rehabilitation work in El Oro Province, on the south coast of Ecuador.
- 16565 DAIL, H. M. 4-H clubs mobilize. *Mo. Ruralist* 85(4): 1, 9. Feb. 26, 1944. 6 R8891  
Varied activities of clubs in Missouri.
- 16566 DAMPIER, SIR W. C. D. Agricultural education. *Roy. Soc. England. Jour.* 104: 177-190. 1943. 10 R81  
Reviews the Luxmoore Report.
- 16567 \*DEGRULLY, P. L'organisation par l'État de l'enseignement agricole supérieur en France. *Prog. Agr. et Vitic.* 120: 197-200. Nov. 7/14, 1943. 14 P94
- 16568 DEMING, DOROTHY. Minnesota plans for rural nursing service. *Amer. Jour. Nursing* 44: 147-150. Feb. 1944. 448.8 Am323
- 16569 DURLAND Y NIETO, A. Las exposiciones. *Agr. Mod. [Habana]* 1(2): 18-19, 24. July 1943. 8 Ag882  
Lists the agricultural expositions held in Cuba since 1843.
- 16570 FOMENTO de la enseñanza rural. Buenos Aires y la Pampa 7(70): 18-19. Oct. 1943. 9 B868  
Ideas on rural education expressed in the various conventions of the Confederación de Asociaciones Rurales de Buenos Aires y la Pampa.
- 16571 GIBBINGS, MRS. A. W. Reform in rural education [in Western Australia]. *Primary Prod. [Perth, W. Austral.]* 28(51): 5. Dec. 23, 1943. 23 P932
- 16572 GILL, J. A. L'école de rang et l'influence agricole du milieu. *Terre de Chez Nous* 16(6): 8, 10. Nov. 10, 1943. 7 T27  
The importance of the rural school.
- 16573 GOLDSCHMIDT, W. R. Class denominationalism in rural California churches. *Amer. Jour. Sociol.* 49: 348-355. Jan. 1944. 280.8 Am3
- 16574 GORDON, DOUGLAS. Industry in a Devon village. *Country Life [London]* 95: 62-64. Jan. 14, 1944. 80 C83  
Rural industries.
- 16575 GROSS, J. O. New demands and new fields. *Mountain Life and Work* 20(1): 26-29. Winter 1944. 281.28 M86  
Lines in which mountain life may be improved.
- 16576 \*HO., W. Stärkung bäuerlicher Lebensgemeinschaft. *Landesbauernschaft Sachsen. Wchnbl.* 91: 339. July 31, 1943. 18 Sal  
Village culture.
- 16577 HOFFORD, H. M. Extension works through newspapers. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(2): 23. Feb. 1944. 1 Ex892Ex
- 16578 HORTON, MYLES. Grundtvig and Danish folk schools. *Mountain Life and Work* 20(1): 23-25. Winter 1944. 281.28 M86
- 16579 HUDSON, R. S. The future of agricultural education. *Travers' Cir. (n. s.), No. 235, p. 31.* Feb. 12, 1944. 286.83 P94
- 16580 \*KRAUTLE. Enseñanza técnica y formación ideológica de la juventud rural alemana. *Surco [Madrid]* 2(19): 32-33. Sept. 1943. 15 Su7
- 16581 LEBEL, LEON. Les "forums" agricoles et les équipes d'étude. *Terre de Chez Nous* 16(5): 3. Nov. 3, 1943. 7 T27  
Radio listening groups for a program of agricultural broadcasts in Canada.
- 16582 LOOMIS, C. P. Extension work at Tingo Maria [Peru]. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 23-26, 36. Feb. 1944. 1 F752A  
New farming methods being tried at the colony near the Tingo Maria Experiment Station.
- 16583 LORD'S acre reports from States and mission fields. *Farmers Fed. News* 24(6): 8-16. Feb. 1944. 280.28 F225
- 16584 MONTEIRO, J. E. Escola Superior de Agricultura de Pernambuco - encerramento dos cursos. *Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol.* 10(1): 45-50. Mar. 1943. 9.2 P432
- 16585 MORRISON, AUTHER. My project story. *Amer. Farm Youth* 9(9): 8. Feb. 1944. 6 Am393  
Projects in general farming by a student in vocational agriculture.
- 16586 R., D. H. Agricultural education problems. *Country Life [London]* 95: 74-75. Jan. 14, 1944. 80 C83
- 16587 RÉGOLI ZAMBRANO, DARIO. El problema de la familia rural argentina. *Inst. Agr. Argentino. Reseñas* 3(19): 37-42. 1943. 281.9 B862
- 16588 RODRÍGUEZ ARAGÓN, ISMAEL. La técnica de la educación indígena. *Mex. Agr.* 5: 247-258. Oct./Dec. 1943. 280.8 M57
- 16589 \*ROMERO-MONTERO, R. La labor social de la Falange en el campo. *Surco [Madrid]* 2(12, sup.): 21 Feb. 1943. 15 Su7  
Educational work in agriculture of the Spanish Frente de Juventudes.
- 16590 ROY, J. B. Des sociétés d'agriculture formées de cercles agricoles. (Sixième article) Quelques précisions. *Bul. des Agr.* 40(2): 4. Feb. 1944. 7 B872
- 16591 \*SANZ ORRIO, FERMÍN. Sobre las hermandades rurales. *Surco [Madrid]* 2(19): 2. Sept. 1943. 15 Su7
- 16592 SHIPLEY, FERN. 4-H club, accomplishments in war time. *Utah Farmer* 63(12): 17. Feb. 10, 1944. 6 D45
- 16593 \*STADELMANN, ALWIN. Warum lehrherr werden? Vorteile für die gemeinschaft wie für den einzelnen. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 494. Sept. 11, 1943. 18 B34W
- 16594 STARRAK, J. A. What's the war doing to our [Iowa] schools? *Iowa Farm Econ.* 10(1-2): 18-20. Jan.-Feb. 1944. 275.28 I092  
Includes rural schools.
- 16595 \*STEINMANN, HERTA. Eine bauerntochter wird geprüfte wirtschafterin. *Landesbauernschaft Niederschlesien. Wchnbl.* 10: 541. Oct. 9, 1943. 18 S13  
Describes a course in domestic economy for the farm girl.
- 16596 SWINGLE, E. B. War-time Farmers' Week well attended. *Mich. Farmer* 201(4): 5, 8. Feb. 19, 1944. 6 M58  
Activities and discussions at the 29th annual Farmers' Week at Michigan State College.
- 16597 \*TORRENTE, J. A. La agricultura en las ferias. *Surco [Madrid]*, No. 7, p. 20. Sept. 1942. 15 Su7
- 16598 U. S. DEPT. OF STATE. Health and sanitation program; agreement between the United States of America and Mexico, effected by exchange of notes signed at Mexico City June 30 and July 1, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 347, 5 p. Washington, 1944. (Pub. 2049.) 150 Ex3
- 16599 U. S. DEPT. OF STATE. Health and sanitation program; agreement between the United States of America and Venezuela; effected by exchange of notes signed at Caracas February 18, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 348, 8 p. Washington, 1944. (Pub. 2048.) 150 Ex3



16600 VIRGINIA. UNIVERSITY. EXTENSION DIVISION. The mountain comes to the school; a rural school relates education to community life. Va. Univ. Ext. Div. New Dominion Ser. 46, 12 p. Charlottesville, 1944. 280.9 V814

Varied community-service program of Cold Springs School, in Alabama.

16601 VOYER, GERARD. En serez-vous la prochaine fois? Bul. des Agr. 40(2): 24-25. Feb. 1944. 7 B872

Factors which the judges take into consideration when inspecting a farm for the Mérite Agricole.

16602 \*WANGGE. Aus der arbeit der landwirtschaftlichen berufsschule. Landesbauernschaft Sachsen. Wehnl. 91: 304. July 3, 1943. 18 Sal

16603 WEAVER, A. D. Pennies pay their hospital bills--the Blue Cross way. Nebr. Farmer 86(1): 1, 14. Jan. 1, 1944. 6 N27

Rural hospitalization plan and service.

16604 WHY THE country church needs the Lord's acre plan. Farmers Fed. News 24(6): 6-8. Feb. 1944. 280.28 F225

Series of brief reports from rural pastors on the operation of the plan.

#### Human Ecology

16605 BLANCHET, JEAN. Nos paroisses rurales à l'oeuvre: Saint-Simon de Rimouski. Terre de Chez Nous 14, 1. e. 16(12): 7. Dec. 22, 1943. 7 T27

A survey of the parish, its population, agriculture, and agricultural organizations.

16606 \*HO., W. Stärkung bäuerlicher lebensgemeinschaft. Landesbauernschaft Bayern. Wehnl. Ausg. A 133: 421. July 31, 1943. 18 B34W

Importance of village culture.

16607 WARBASSE, J. P. The small community -- the hope of civilization. Farm News of Steuben County 5(2): 6-7. Feb. 4, 1944. 275.293 Indiana, Steuben Co.

#### Rural Organizations and Movements

16608 ACEBAL, ALVARO. Economía cooperativa: éxito en Latinoamérica. Rev. Nac. [Habana] 3(26): 25. Jan. 1944. 280.8 R3295

Progress of cooperatives in various countries.

16609 BABCOCK, H. E. Farmer cooperatives. Pa. Grange News 40(11): 16. Feb. 1944. 6 P38

Abstract of an address.

16610 BALLOU, E. B. All agriculture benefits from activities of farmer co-operatives; savings extensive. Sunswest Standard 27(9): 7. Feb. 1944. 286.83 Su7

16611 BISSON, J. E. La coopération, moyen de reconstruction après la guerre. Terre de Chez Nous 14, 1. e. 16(8): 19. Nov. 24, 1943. 7 T27

16612 BLANCHET, JEAN. Un fait entre mille autres. Terre de Chez Nous 16(21): 7. Feb. 23, 1944. 7 T27

On the financial operations of the Ste. Rita agricultural cooperative, which does not extend credit to its members.

16613 COLQUETTE, R. D. The heir of the U. F. O. [United Farmers of Ontario]; the Ontario Federation of Agriculture, a virile young organization, has taken up the torch. Country Guide 63(2): 8, 43. Feb. 1944. 7 G76

16614 CROLL, T. C. Justice rides the co-op banners; the way is paved for better economic system for agriculture. CTA Digest 4(2): 11-14. Feb. 1944. 280.28 G11

Excerpts from an address.

Chiefly on the attack upon the cooperative movement by organized big business.

16615 EDMONDS, C. C. Cooperative purchasing of supplies. Utah Farmer 63(12): 8. Feb. 10, 1944. 6 D45

16616 ELSWORTH, R. H. Seven Presidents & cooperation. Co-op. Digest 4(9): 44-45. Mar. 1944. 280.28 C7896

Review of official acts, and statements of Presidents Theodore Roosevelt, Taft, Wilson, Harding, Coolidge, Hoover, and F. D. Roosevelt, with regard to cooperative organization and activities.

16617 FILION, GERARD. Vue d'ensemble du mouvement coopératif de 1930 à 1943. Terre de Chez Nous 14, 1. e. 16(7): 3, 23. Nov. 17, 1943. 7 T27

Quebec agricultural cooperatives increased from 75 to 500 in the interval.

16618 GARAND, ROLAND. La coopérative agricole de Cowansville. Terre de Chez Nous 16(21): 16. Feb. 23, 1944. 7 T27

16619 GARDNER, K. B. Member-ownership--source of co-op vitality. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 10, 23. Jan. 1944. 166.2 N47

16620 HEDGES, HAROLD. The co-ops' score in the war. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 3, 9-10. Jan. 1944. 166.2 N47

16621 HOBSON, ASHER. The Wisconsin Farm Bureau. Dairyland News 14(3): 1, 5, 8. Feb. 14, 1944. 280.28 W752

Historical sketch.

16622 KLASSEN, DIED. Rhineland youths start co-op. farm. Manitoba Co-op. 1(16): 7. Feb. 15, 1944. 280.28 M31

16623 KNAPP, J. G. 100-year-old Rochdale principles--a guide to the future. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 12-14, 24. Jan. 1944. 166.2 N47

16624 LAWRENCE, J. D. Budgets keep co-ops on their toes. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 18. Jan. 1944. 166.2 N47

16625 LEES, A. B. Stimulus from within the industry. Farmer & Stock-Breeder 58: 227. Feb. 8, 1944. 10 P228

Aims of the Development and Education Committee of the National Farmers' Union in Great Britain.

16626 LÓPEZ GENTO, JOSÉ. Economía cooperativa: gran urgencia cubana. Rev. Nac. [Habana] 2(21): 5-6. Aug. 1943. 280.8 R3293

Includes the history of the cooperative movement in Great Britain.

16627 LUBIÁN MUÑO, SILVIO. Cooperative 'Cubanos del Campo.' Labor 3(54): 5. Jan. 30, 1944. 8 L11

The objects of the association.

16628 MARION, ABEL. Discours... à Toronto. Terre de Chez Nous 14, 1. e. 16(9): 1, 11. Dec. 1, 1943. 7 T27

On the operation of various types of cooperatives in Quebec.

16629 MARTIN, ROMÉO. Les lois coopératives. Terre de Chez Nous 14, 1. e. 16(9): 4. Dec. 1, 1943. 7 T27

Cooperative legislation and its effect on the development of cooperation.

16630 MARTIN, ROMÉO. Le rôle et la place des coopératives agricoles. Terre de Chez Nous 14, 1. e. 16(11): 4. Dec. 15, 1943. 7 T27

16631 MARTIN, ROMÉO. 225,000 coopérateurs, 1,500 coopératives, le mouvement gagne partout. Terre de Chez Nous 14, 1. e. 16(8): 4. Nov. 24, 1943. 7 T27



FOOD AND HUMAN NUTRITION

## GENERAL

16632 O'NEILL, T. F. Adequate financing for co-ops; strong capital structure is essential for sound operations. *GTA Digest* 4(2): 42-43. Feb. 1944. 280.28 G11

16633 PANTULU, V. R. India's food production and co-operative farming. *Indian Co-op. Rev.* 9: 211-221. July/Sept. 1943. 280.28 In2  
Cooperation for increased production.

16634 PICKETT, C. I. Today's farmers - tomorrow's food. *Nation's Agr.* 19(2): 5-6, 16. Feb. 1944. 280.32 B89

Chiefly on the policies of the American Farm Bureau Federation.

16635 ROJAS, ALFONSO. La colaboración de los campesinos en las tareas rurales en el pasado y en el presente. Su valor como antecedente de una legislación nacional. *Inst. Agr. Argentino. Reseñas* 3(19): 7-12. 1943. 281.9 B862

16636 ROJAS, ALFONSO. Papel de la cooperación en las bases de una futura organización nacional y humana de los trabajos en el agro argentino. *Inst. Agr. Argentino. Reseñas* 3(19): 13-16. 1943. 281.9 B862

16637 ROSENFELD, MAXIMILIAN. Farming in Czechoslovakia. *New Zeal. Farmer Weekly* 64(24): 5-6. Jan. 27, 1944. 23 N484

Deals with agricultural cooperatives.

16638 STURZO, LUIGI. Before Fascism--and now what? *Land and Home* 7(1): 7-8. Mar. 1944. 281.28 G25

Cooperative movement in Italy.

16639 SUBRAHMANYAM, K. Co-operation in Madras. *Madras Jour. Co-op.* 35: 215-226. Nov. 1943. 280.28 M26

16640 WICKARD, C. R. Some things co-ops must do. *Coop. Digest* 4(9): 48-49. Mar. 1944. 280.28 C7896  
Condensed from a message to 16th annual meeting of the National Council of Farmer Cooperatives.

16641 ZABARSKY, A. The Palestine co-operative movement in wartime. *Rev. Internat. Co-op.* 37: 4-10. Jan. 1944. 280.28 In8B

Includes agricultural settlements and marketing.

TRADE, FOREIGN AND INTERNATIONAL

16642 BROSSARD, E. B. Síntoma: auge de comercio interamericano. *Rev. Mac. [Habana]* 2(21): 19-20. Aug. 1943. 280.8 R3295

The inter-American trade program. Diversification of agriculture in the Latin American countries is part of it.

16643 \*PESCHEL, MARTIAL. Un plan du commerce extérieur français. *Exportateur Français* 28(1107): 1. Mar. 19, 1943. 280.8 Ex6

16644 STRONG, J. A. Argentine imports from Canada in 1942. II. Notes on principal products. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 229-234. Sept. 1943. 286.8 C16

16645 VECHSLER, M. J. Chilean foreign trade in 1942. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 134-136. Feb. 12, 1944. 286.8 C16

Trade Agreements

16646 U. S. DEPT. OF STATE. Purchase by the United States of exportable surpluses of Dominican rice, corn, and peanut meal; agreement between the United States of America and the Dominican Republic approving memorandum of understanding dated May 20, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 350, 11 p. Washington, 1944. (Pub. 2050.) 150 Ex3

16647 ADELSON, DOROTHY. Latin America pledges aid. *Pan Amer.* 4(8): 23-24. Jan. 1944. 280.8 P192

UNRRA conference.

16648 BALFOUR, M. I. Supplementary feeding in pregnancy. *Lancet* 246: 208-211. Feb. 12, 1944. 448.8 L22

16649 \*BEZNÁK, ALADÁR VON, BEZNÁK, MARGIT VON, and HAJDU, ISTVÁN. Ernährungsphysiologische wertmessung verschiedener fette und öle an weissen ratten. *Ernährung* 8: 209-224. Sept. 1943. 389.8 Er6

16650 BÖTTICHER, WERNER. Die pilzverwertung. *Umschau* 47: 225-226. Oct. 1943. 474 Um7  
Nutritive value and utilization of mushrooms.

16651 BOWES, A. DE P. Nutrition teaching in wartime. *Amer. Dietet. Assoc. Jour.* 20: 155-157. Mar. 1944. 389.8 Am34

16652 BRAILSFORD, H. N. Food as a class weapon. *New Statesman and Nation* 27(672): 20-21. Jan. 8, 1944. 280.8 N2132

Food relief and its political importance.

16653 FEASTER, J. F., and ALEXANDER, O. R. Planning nutrition studies involving canned foods. *Indus. and Engin. Chem., Indus. Ed.* 36: 172-176. Feb. 1944. 381 J825

16654 FREE or low-cost food distribution in Latin American countries. *Internat. Labour Rev.* 49: 339-346. Mar. 1944. 283.8 In8

Programs designed to improve the nutrition of low-income groups.

16655 GRAÑA, ROBERTO. Sobre la Conferencia de Alimentación y Agricultura de las Naciones Unidas. *Mercados del Mundo* 7(34): 1-5. Aug. 1943. 286.9 Ur82

16656 GUNDERSON, F. L., and GORTNER, R. A., JR. Wartime and postwar trends in food and nutrition. *Amer. Dietet. Assoc. Jour.* 20: 160-162. Mar. 1944. 389.8 Am34

16657 HARDING, T. S. Rationing, our diet, and sound nutrition. *Amer. Jour. Pharm.* 116: 28-36. Jan. 1944. 396.8 Am3

16658 HARRIS, I., and VERNON, C. E. A physiological factor in food metabolism. *Jour. Physiol.* 102: 20p-21p. Dec. 31, 1943. 447.8 J82

16659 HEGSTED, D. M., MCKIBBIN, J. M., and STARE, F. J. Nutrition and tolerance to atabrine. *Jour. Nutr.* 27: 141-148. Feb. 10, 1944. 389 J82

16660 HOGAN, MENA. Wartime home food conservation: the national picture. *Jour. Home Econ.* 36: 139-140. Mar. 1944. 321.8 J82

16661 KIRKPATRICK, M. E. Soya magic revealed. *Amer. Restaurant Mag.* 28(3): 39, 91-94. Mar. 1944. 389.2538 Am3

16662 KLINGE, GERARDO. Conferencia de alimentación y agricultura de las naciones unidas. *Vida Agr.* 20: 687, 689, 691-696, 761-768, 833-843. Sept., Oct., Nov. 1943. 9.8 V66

16663 KUGELMASS, NEWTON. The early recognition of war-nutrition deficiency in children. Part I. *Amer. Jour. Digest. Dis. and Nutr.* 11: 83-92. Mar. 1944. 448.8 Am324

16664 LEATHERS, W. S. Nutrition, a problem of war and peace. *South. Agr.* 74(3): 15. Mar. 1944. 6 So83

16665 LINDLAHR, V. H. How foods can help prevent flu and colds. *Jour. Living* 9(9): 82-98. Mar. 1944. 389.8 J822



- 16686 MCAULEY, M. F. Indiana University meets the needs of the Army and Navy feeding programs. Amer. Dietet. Assoc. Jour. 20: 140-143. Mar. 1944. 389.8 Am34
- 16687 MCLEOD, R.P. You can't say that again! Hygeia [Chicago] 22: 206, 208-210. Mar. 1944. 449.8 H993
- Developments in nutrition.
- 16688 \*MARCILLA, JUAN. Levaduras-alimento para el hombre y levaduras-pienso. Surco [Madrid], No. 3, p. 6-8. May 1942. 15 Su7
- 16689 MEINICK, DANIEL, and others. A comparative analytical study of meat extension. Amer. Dietet. Assoc. Jour. 20: 150-154. Mar. 1944. 389.8 Am34
- R.J. Block, H.W. Himes, and B.L. Oser, joint authors.
- 16690 NATIONAL PLANNING ASSOCIATION. UNRRA: gateway to recovery. Natl. Planning Assoc. Planning Pam. 30/31, 84 p. Washington, 1944. 280.9 N2153
- Includes agricultural and food programs.
- 16691 NELSON, P.M. Iowa uses enriched flour. Food Facts 13(6): 1,4. Mar. 1944. 389.8 F734
- 16692 ORENT-KEILES, ELSA. Eat to stay young. Chemist 21:67-70. Feb. 1944. 381 C427
- 16693 PARRAN, THOMAS. Nutrition and health. Certified Milk 19(214): 3, 18. Feb. 1944. 44.8 C33
- 16694 PATERSON, G. R. Combined Food Board. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 194-196. Mar. 4, 1944. 286.8 C16
- 16695 EL PROBLEMA de la alimentación del mundo de postguerra. Rev. Mens. B.A.P. 27(314): 9-11, 13. Jan. 1944. 9 R326
- 16696 ROBERTS, L.J. Sell nutrition and ration points to the Victory gardener. Seed World 55(3): 10-11, 35. Feb. 4, 1944. 61.8 Se52
- 16697 SEMPLE, DUGALD. Wisdom in eating. Veg. Messenger and Health Rev. 41(1): 7-8. Jan. 1944. 389.8 V522
- 16698 SHARPE, H. S. The up-and-coming soybean. Practical Home Econ. 22: 62, 84-85. Feb. 1944. 321.8 H752

- 16699 SUTHERLAND, VIRGINIA. Victory garden special [tampala]. Gard. Gossip 19(2): 5-6. Feb. 1944. 30 G1625

A member of the amaranth family.

Use as food.

- 16680 THISTLE, MEL. Mostly about the raw food fed. Canad. Food Packer 15(2): 17-18. Feb. 1944. 286.83 C166
- 16681 ZINTEL, H.A. The rôle of nutrition in preoperative and postoperative care: a review. Amer. Jour. Med. Sci. 207: 253-258. Feb. 1944. 448.8 Am3

#### DIETS

- 16682 BARNES, R.H., PRIMROSE, M.F., and BURR, G.O. The influence of the protein content of the diet upon fat digestibility. Jour. Nutr. 27: 179-184. Feb. 10, 1944. 389 J82
- 16683 BOYD, J.D. The need for betterment of children's diets. Amer. Dietet. Assoc. Jour. 20: 147-149. Mar. 1944. 389.8 Am34
- 16684 COX, H.E. Dietetic aspects of colours in food. Soc. Chem. Indus. Jour. Chem. and Indus. 63: 30-32. Jan. 22, 1944. 382 M31C
- 16685 FERGUSON, H. P., LEESON, H. J., and MCHENRY, E. W. A nutrition survey in east York Township. II. The influence of the choice of dietary standards upon interpretation of data. Canad. Jour. Pub. Health 35: 66-70. Feb. 1944. 449.2 P964
- 16686 CAMPBELL, S.S. On the food front. Miller 70(3389): 18-19. Jan. 3, 1944. 298.8 M61
- Wartime diets.

- 16687 GILLMAN, JOSEPH. Effects on rats of prolonged feeding with the staple African diet. Brit. Med. Jour., No. 4334, p. 149-150. Jan. 29, 1944. 448.8 B77

- 16688 HAYDAK, M. H., and others. A clinical and biochemical study of cow's milk and honey as an essentially exclusive diet for adult humans. Amer. Jour. Med. Sci. 207: 209-219. Feb. 1944. 448.8 Am3
- A. E. Vivino, J. J. Boehrer, Oscar Bjorndahl, and L. S. Palmer, joint authors.

- 16689 KEYS, ANCEL, and others. Physiological and biochemical functions in normal young men on a diet restricted in riboflavin. Jour. Nutr. 27: 165-178. Feb. 10, 1944. 389 J82

A.F. Henschel, Olaf Mickelsen, J.M. Brozek, and J.H. Crawford, joint authors.

- 16690 MCCULLOCH, HUGH. Use of evaporated milk without added sugar for the feeding of infants. Amer. Jour. Dis. Children 67: 52-55. Jan. 1944. 448.8 Am38

- 16691 RICHARDSON, F.H. Fried food for children? Jour. Ped. 24: 199-205. Feb. 1944. 448.8 J8291

- 16692 SPENCER, H.C., and others. Response of rats maintained on diets fumigated with methyl bromide. Food Res. 9: 11-18. Jan./Feb. 1944. 389.8 F7322

V.K. Rowe, E.M. Adams, and D.D. Irish, joint authors.

- 16693 SULLIVAN, C.L. Diet in pregnancy. New England Jour. Med. 230: 167-169. Feb. 10, 1944. 448.8 N442

- 16694 WATSON, EVA. Eliminating dairy produce: how the difficulties can be overcome. Veg. Messenger and Health Rev. 41: 38-39. Feb. 1944. 389.8 V522

- 16695 WINTERS, J.C., and LESLIE, R.E. A study of the diet of twenty women in a moderate-income group. Jour. Nutr. 27: 185-192. Feb. 10, 1944. 389 J82

With the technical assistance of Catherine Donnell.

#### FOOD HABITS

- 16696 PIRKOVA-JAKOBSON, SVATAVA, and JOFFE, N.F. Central European food patterns. Part II. Czech and Slovak food patterns. Pract. Home Econ. 22: 58-60, 70, 72, 74. Feb. 1944. 321.8 H752

#### NUTRITIVE AND VITAMIN CONTENT

- 16697 \*"ARCO," A. I. La patata como articulo alimenticio y materia prima. Su importancia para la alimentación de Europa. Surco [Madrid], No. 14, sup., p. 5, 7. Apr. 1943. 15 Su7

- 16698 ATKIN, LAWRENCE, and others. Yeast microbiological methods for determination of vitamins. Pantothenic acid. Indus. and Engin. Chem., Analyt. Ed. 16: 67-71. Jan. 15, 1944. 381 J825

W.L. Williams, A.S. Schultz, and C.N. Frey, joint authors.

- 16699 THE B VITAMINS; deficiencies are not so common as is often supposed, recent studies show. With a good diet, anybody can get required amounts of these important vitamins. Consum. Rpts. 9: 51-53. Feb. 1944. 321.8 C762

- 16700 \*BALAKHOVSKII, S.D., and BULGAKOV, N.I. Opredelenie askorbinovoi kisloty v sul'fitirovannykh i svezhikh produktakh (On the determination of ascorbic acid in fresh and sulfited products). Biokhimiia 8(5/6): 275-282. Moskva, 1943. 385 B523

- 16701 CYAN, ERWIN DI, and STAKVEL, STELLA. The ubiquitous vitamin preparations - II. Consumers' Res. Bul. 13(3): 11-14. Mar. 1944. 321.8 C76



- 16702 BALZLI. La recherche de la vitamine F. Rev. Internat. du Soya 3: 49-50. Mar./Apr. 1943. 60.38 R32
- 16703 BARRIE SWEETEN, M.M.O. Vitamin E deficiency in the rat. V. Uterine changes in chronic deficiency. Biochem. Jour. 37: 523-525. 1943. 382 B52
- 16704 BOURNE, G.H. Some experiments on the possible relationship between vitamin C and calcification. Jour. Physiol. 102: 319-328. Dec. 31, 1943. 447.8 J82
- 16705 BRANSBY, E.R., and others. The influence of supplements of vitamins A, B<sub>1</sub>, B<sub>2</sub>, C, and D on growth, health, and physical fitness. Brit. Med. Jour. No. 4332, p. 77-78. Jan. 15, 1944. 448.8 B77
- J.W. Hunter, H.E. Magee, E.H.M. Milligan, and T.S. Rodgers, joint authors.
- 16706 CLAYTON, C.C., and BAUMANN, C.A. Vitamin A storage and factors that affect the liver. Jour. Nutr. 27: 155-164. Feb. 10, 1944. 389 J82
- 16707 CLIFCORN, L. E., and HEEBERLEIN, D. G. Thiamine content of vegetables; effect of commercial canning. Indus. and Engin. Chem., Indus. Ed. 36: 168-171. Feb. 1944. 381 J825
- 16708 COLLOPY, MARY. Does freezing meat destroy vitamins? Westerner 7(2): 22-23. Mar. 1944. 49 W522
- 16709 DAVIDSON, L.S.P., and DONALDSON, G.M.M. Treatment of anaemia in school children with iron and ascorbic acid. Brit. Med. Jour., No. 4332, p. 76-77. Jan. 15, 1944. 448.8 B77
- 16710 DEUEL, H. J., JR., and others. Studies of the comparative nutritive value of fats. I. Growth rate and efficiency of conversion of various diets to tissue. Jour. Nutr. 27: 107-121. Jan. 10, 1944. 389.8 J82
- Eli Movitt, L. F. Hallman, and Fred Mattson, joint authors.
- Technical assistance of Evelyn Brown.
- 16711 DODDS, M.L., and MACLEOD, F.L. Blood plasma ascorbic acid values resulting from normally encountered intakes of this vitamin and indicated human requirements. Jour. Nutr. 27: 77-87. Jan. 10, 1944. 389.8 J82
- In cooperation with Virginia Coker, Harvy Lewis, I.H. Sansom, Sarah Stephens, Nell Wall, and M.J. Wright.
- 16712 DUNLAP, F.L. White vs. brown flour; a critical review of research reports upon their comparative nutritive values. Northwest. Miller 217 (2, sect. 2): 6a-9a; (6, sect. 2): 14a-15a. Jan. 12, Feb. 9, 1944. 298.8 N81
- 16713 GOODNIGHT, FRANCES. Why you may need more vitamin C. Jour. Living 9(9): 11-16. Mar. 1944. 389.8 J822
- 16714 GORTNER, R. A., JR., and GUNDERSON, F. L. Proteins in human nutrition. Protein foods - war and postwar. Indus. and Engin. Chem. News Ed. 22: 160-163. Feb. 10, 1944. 381 J825N
- 16715 HALL, E.G. The nutritive value of Australian tropical fruits. Agr. Gaz. N.S. Wales 54: 568-569. Dec. 1, 1943. 23 N472
- 16716 HEINZE, P. H., and others. Ascorbic acid content of 39 varieties of snap beans. Food Res. 9: 19-26. Jan./Feb. 1944. 389.8 F7322
- M. S. Kanapaux, B. L. Wade, P. C. Grimball, and R. L. Foster, joint authors.
- 16717 HETHERINGTON, E.V. Protein content of semolina. Macaroni Jour. 24(10): 10. Feb. 1944. 298.8 N46
- 16718 HINTON, J.J.C. A micro-method for the estimation of vitamin B<sub>1</sub>. Biochem. Jour. 37: 585-589. 1943. 382 B52
- 16719 HOLLINGER, M.E. Ascorbic acid value of the sweet potato as affected by variety, storage, and cooking. Food Res. 9: 76-82. Jan./Feb. 1944. 389.8 F7322
- 16720 HULSE, M.C., and others. Subclinical vitamin deficiency. VI. Thiamine in skeletal muscle of infants and children. Amer. Jour. Dis. Children 67: 30-32. Jan. 1944. 448.8 Am38
- Norman Weissman, Virginia Rowland, Robert Gross, and J.W. Ferrebee, joint authors.
- 16721 IRESON, M.G., and EHEART, M.S. Ascorbic acid losses in cooked vegetables: cooked uncovered in a large amount of water and covered in a small amount of water. Jour. Home Econ. 36: 160-165. Mar. 1944. 321.8 J82
- 16722 JOSEPHS, H.W. Hypervitaminosis A and carotenemia. Amer. Jour. Dis. Children 67: 33-43. Jan. 1944. 448.8 Am38
- 16723 KIENE, JULIA. The biggest bargain in health. Certified Milk 19(214): 7, 17-18. Feb. 1944. 44.8 C33
- Nutritive value of milk.
- 16724 KLEIN, DANIEL, and ELSOM, K.O. Studies of the B vitamins in the human subject. VII. Blood pyruvate and lactate-pyruvate ration following the ingestion of glucose in experimental deficiency. Amer. Jour. Med. Sci. 207: 247-252. Feb. 1944. 448.8 Am3
- 16725 \*\*KON, S. K. Reviews of the progress of dairy science. Section D. The nutritional value of milk and milk products. Jour. Dairy Res. 13: 216-241. 1943.
- Abs. in Jour. Dairy Sci. 27: A9. Jan. 1944. 44.8 J822
- 16726 \*KUNZ, R.M. Ergebnisse der vitaminforschung. Pharm. Acta Helvetiae 18: 121-142. Mar. 27, 1943. 396.8 P4933
- 16727 LECOQ, RAOUL, and RAFFY, ANNE. Études sur le germe de blé. I. La composition chimique et la richesse en vitamines B<sub>1</sub> et B<sub>2</sub> de la farine de germe de blé actuellement préparée. Soc. Chim. Biol. 25: 156-162. Apr./June 1943. 383 Sol
- 16728 LECOQ, RAOUL. Études sur le germe de blé. II. L'huile de germe de blé et sa prétendue toxicité. III. Le pouvoir antirachitique de la farine de germe de blé et sa richesse en composés phosphorés. Soc. Chim. Biol. 25: 162-173. Apr./June 1943. 383 Sol
- 16729 LEVERTON, R.M., and BINKLEY, E.S. The copper metabolism and requirement of young women. Jour. Nutr. 27: 43-53. Jan. 10, 1944. 389.8 J82
- 16730 LOVERN, J.A. Antioxidants for carotene and vitamin-A. Soc. Chem. Indus. Jour. 63: 13-15. Jan. 1944. 382 M31
- 16731 LUGG, J. W. H., and WELLER, R. A. Germinating seeds as a source of vitamin C in human nutrition. 2. The germinating and processing of blue boiler peas (Pisum sativum) as a palatable source of vitamin C. Austral. Jour. Expt. Biol. and Med. Sci. 21: 211-214. Dec. 1943. 442.8 Au7
- 16732 MAPSON, L.W. Vitamin methods. VI. The estimation of ascorbic acid in the presence of reductones and allied substances. Soc. Chem. Indus. Jour. 62: 223-232. Dec. 1943. 382 M31
- 16733 MITCHELL, H.H. Non-fat milk solids put new life into bread. Hoard's Dairyman 89: 103. Feb. 25, 1944. 44.8 H65
- Research on the nutritive value of dairy products.
- 16734 \*MOREL, MADELEINE, and BARATTE, J. Teneur du lait de la vache en vitamine P.P. Lait 23: 147-149. Apr./June 1943. 44.8 L143
- 16735 MUNSELL, H.E. Vitamins and their occurrence in foods. Puerto Rico Jour. Pub. Health and Trop. Med. 19: 256-288. Dec. 1943. 448.8 P83



- 16736 NAUDÉ, SUSANN. Vegetables. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 201, 2 p. Pretoria, 1943. 24 So82P  
Nutritive value.
- 16737 NELSON, G.L., and CLARK, FAITH. Nutritive value of U.S. food supply, 1930-43. U.S. Bur. Agr. Econ. Agr. Situation 28:9-12. Jan. 1944. 1 Ec7Ag
- 16738 PANTOTHENIC acid; its history and chemistry. Borden's Rev. Nutr. Res. 5(2): 1-10. Feb. 1944. 389.8 B64
- 16739 PIJOAN, M., and ELKIN, C. A. Secondary anemia due to prolonged and exclusive milk feeding among Shoshone Indian infants. Jour. Nutr. 27: 67-75. Jan. 10, 1944. 389.8 J82
- 16740 POLING, C. E., SCHULTZ, H. W., and ROBISON, H. E. The retention of the nutritive quality of beef and pork muscle proteins during dehydration, canning, roasting, and frying. Jour. Nutr. 27: 23-34. Jan. 10, 1944. 389.8 J82
- 16741 POLLOCK, R.C. Meat research playing vital role in our all-out wartime efforts. Kans. Stockman 28(5): 70, 72, 75. Mar. 1944. 49 K134  
Nutritive value.
- 16742 PRUNTY, F.T.G., and VASS, C.C.N. The assessment of vitamin C nutrition in man. Biochem. Jour. 37: 623-629. 1943. 382 B52
- 16743 PRUNTY, F. T. G., and VASS, C. C. N. Vitamin C nutrition in a hospital, with observations on a case of scurvy. Lancet 246: 180-182. Feb. 5, 1944. 448.8 L22
- 16744 ROBERTSON, J.D. White, national, or whole meal bread. Assoc. Oper. Millers Bul. p. 1340-1342. Mar. 1944. 298.9 As7  
Nutritive value.
- 16745 \*RODRÍGUEZ-PIÑEIRO, J. M. Divulgación científica vitaminas. Surco [Madrid] 11(2): 25-26. Feb. 1943. 15 Su7
- 16746 ROSS, EDWARD. Effect of time and temperature of storage on vitamin C retention in canned citrus juices. Food Res. 9: 27-33. Jan./Feb. 1944. 389.8 F7322
- 16747 \*SISAKIAN, N.M. Vitaminnafa sushka ovoshchei i kartofeliâ (Preservation of vitamin C in dried vegetables and potatoes). Biokhimiâ 8(5/6): 254-268. Moskva, 1943. 385 B523
- 16748 SNOW, G.A., and ZILVA, S.S. A critical examination of Lugg's method for the determination of l-ascorbic acid. Biochem. Jour. 37: 630-640. 1943. 382 B52
- 16749 SOSA, A., and SOSA-BOURDOUIL, C. Quelques considérations sur le dosage de l'acide ascorbique chez les végétaux. Soc. Chim. Biol. 25: 146-156. Apr./June 1943. 383 Sol
- 16750 TOHEY, J. A. Los minerales de la leche y su valor alimenticio. Res 11: 15.327-15.328. Dec. 1943. 286.85 R31
- 16751 VAHLTEICH, H.W., and NEAL, R.H. Industry needs accurate test for vitamin A enrichment. Food Indus. 16(3): 90-92, 136-137. Mar. 1944. 389.8 F737
- 16752 VANDERLINDEN, LEE. Dehydration; a new vitamin-mineral problem in food dehydration. New Agr. 26(5): 9. Feb. 1944. 66.8 Su32  
Vitamin loss in dehydrated foods.
- 16753 VILLALBA, R. U. La leche: su indiscutible valor dietético, corroborado por: su completo contenido en principios inmediatos, plásticos y energéticos; su concentración plurivitáminica; su fácil "digestibilidad," y su condición atóxica. (To be cont.) Rev. Canad. [Habana] 4(1): 20-21. Jan. 1944. 49 R321
- 16754 WANG, Y.L., and KODICEK, E. Vitamin methods. 7. A new modification of the p-aminoacetophenone method for estimating nicotinic acid in urine. Biochem. Jour. 37: 530-538. 1943. 382 B52  
View to assessing the nutritional status in this vitamin.
- 16755 WASSERSUG, L.A. Biotin promises new marvels. Sci. Digest 15(3): 85-87. Mar. 1944. 470 Sci27
- 16756 WHITACRE, JESSIE, and others. Calcium, phosphorus, and iron contents of turnip greens as influenced by method of sampling. Food Res. 9: 56-65. Jan./Feb. 1944. 389.8 F7322  
Laverne McWhirter, Jonnie McCreary, A. G. Oberg, and S. H. Yarnell, joint authors.
- 16757 WILKINSON, F. Milk as food. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 188, 2 p. Pretoria, 1943. 24 So82P
- 16758 WILLIAMS, MIRIAM. Hold those vitamins! Farm Jour. 68(3): 60, 86. Mar. 1944. 6 F2212
- 16759 WOKES, F., ORGAN, J.G., and JACOBY, F.C. The estimation of apparent vitamin-C in foods. Soc. Chem. Indus. Jour. 62: 232-236. Dec. 1943. 382 M31
- 16760 WOOD, E.C. Declaration of vitamin content. Food 13(149): 50-52. Feb. 1944. 389.8 F738
- 16761 WORTHINGTON, O. J. Dehydrated onions found to be very high in nutritional value, research proves. West. Canner and Packer 36(2): 47, 49. Feb. 1944. 286.83 W522
- 16762 WRIGHT, L.D., and WELCH, A.D. Folic acid, biotin and pantothenic acid deficiency and the liver storage of various vitamins in rats fed succinylsulfathiazole in highly purified rations. Jour. Nutr. 27: 55-66. Jan. 10, 1944. 389.8 J82
- 16763 ZIMMERMAN, H. F. The nutritive value of dairy products: the seven food groups—butter vs. oleomargarine. Jersey Bul. 63: 188, 204, 206, 208, 210, 212. Feb. 20, 1944. 43.8 J48

# MISCELLANEOUS

## GENERAL

- 16764 ANGULO, ARMANDO. Métodos nuevos: acción privada en lo público. Rev. Mac. [Habana] 3(27): 23. Feb. 1944. 280.8 R3295  
Work of the Cuban Office of Agricultural Administration created last July.
- 16765 GARCÍA SUAREZ, JOSÉ. Anteproyecto para la creación de un Servicio Nacional de Producción, Defensa y Sanidad Pecuarias [en Chile]. Rev. de Med. Vet. [Buenos Aires] 24: 384-400. July/Aug. 1943. 41.8 B86
- 16766 \*JÓNSSON, ÓLAF. Raektun beit og rányrkja. Búnaðarfélag Íslands. Búnaðarrit 56: 79-97. 1943. 11 B88  
Destruction of natural resources in Iceland.
- 16767 \*L., E. Röpkes agrartheorien und die wirklichkeit. Schweiz. Bauernztg. 43: 2-3. Jan. 1943. 280.28 Sch93
- 16768 \*LENFANT, J. Détruisez les oiseaux nuisibles. Prog. Agr. et Vitic. 60: 176-178. May 23-30, 1943. 14 P94  
Control of birds destructive to agriculture through destruction of nests.



16769 MAUBERT, JOSÉ. La cría del caracol y su explotación. ESNEA 30(1266): 5. Nov. 17, 1943. 44.8 Es5

Snail production as a small farm industry for Argentina.

16770 \*OBOLENSKIY, S. I. Novye priemy bor'by s myshevidnymi gryzunami [New methods of control of rodents]. Sel'so (Ser. Kolkhoz. Zeml.) v. 12, No. 235/236, 2 p. Oct. 1943. 20 Se48

16771 \*OKHAPKIN, K. Opyt agronomicheskoy raboty v Ivanovskoy oblasti [Agronomy experiments in the Ivanovsk district]. Sotsialist. Sel'sk. Khoz. 14 (10/11): 27-33. Oct./Nov. 1943. 281.8 So73

Discusses the technique of the agronomists in their work on the collective farms, and the training of agricultural experts and personnel.

16772 \*RODRÍGUEZ DE TORRES, PEDRO. Conferencia. Surco [Madrid], 2(12, sup.): 5-7. Feb. 1943. 15 Su7

The Agricultural Chambers of Spain and their relation to the syndicates.

16773 TANG, PEI-SUNG. Helios and Prometheus: a philosophy of agriculture. Sci. Monthly 58: 169-175. Mar. 1944. 470 Sci23

16774 WILLIS, J. W. Canada's wartime administrative agencies. George Washington Law Rev. 12: 141-173. Feb. 1944. 274.008 G29

Includes agricultural and food administrative agencies.

#### HISTORY AND BIOGRAPHY

16775 BURSKIY, M. I. Vil'iams kak istorik agrikul'tury [Vil'iams as historian of agriculture]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 35-40. Moskva, 1942. 56 Ak12

16776 DEANS, MRS. JOHN. Canterbury's [New Zealand], first farm. New Zeal. Farmer 64(23): 4-5. Jan. 13, 1944. 23 N484

Account written in 1882 of the Deans farm at Riccarton.

16777 VIVANCO, C. F. Agricultural museum in Peru. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 30-32. Feb. 1944. 1 F752A

Evidences of the agriculture of the Incas.

16778 WILLIAMS, M. D. Washington was the father of scientific farming; had first experiment station. Ind. Farmers' Guide 100(4): 9. Feb. 15, 1944. 6 In2

#### RESEARCH

16779 AUCHTER, E. G. Agricultural research in the war and after. Science 99: 169-173, 190-192. Mar. 3-10, 1944. 470 Sci2

16780 COOPER, J. F. Experiment station goes to the farm. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59(2): 13. Feb. 1944. 6 P945G

Tells about the work of the two mobile units of the Florida Agricultural Experiment Station during the last two years.

16781 KHAN, A. R. Agricultural research at Karnal [India]. Indian Farming 4: 300-302. June 1943. 22 In283

16782 LOOMIS, C. P. Applied anthropology in Latin America; developing a permanent and stable supply of needed agricultural materials. Appl. Anthropol. 2(4): 15-17. July-Sept. 1943. 280.8 Ap5

Beginnings of agricultural experimentation and research in Latin America.

16783 \*MART'YANOV, F. Nauchnye dostizheniya v sovkhnozhnoe proizvodstvo [Scientific achievements in state farm production]. Sovkhnozhnoe Proizvodstvo 3(10/11): 45-46. Oct./Nov. 1943. 20 So85

16784 \*REBUELTA, J. L. Los campos de prácticas del Instituto Nacional Agronómico. Surco [Madrid] 2(19): 22-23. Sept. 1943. 15 Su7

#### STATISTICS

16785 PEÑA, M. T. DE LA. La agricultura y los técnicos; las mentiras de la estadística agrícola. Rev. de Econ. [Mexico] 7, 1. e. 6(12): 25-28. Jan. 7, 1944. 280.8 R3293

#### NEW PERIODICALS AND SERIALS

16786 \*ALLGEMEINE TEXTIL- ZEITSCHRIFT. Monthly. Vol. 1, No. 1, Apr. 24, 1943. 33 p. Pörsneck, Pfringen, Germany. 304.8 A15

Supersedes Spinner und Weber (304.8 Sp41), Klepzig Textil-Zeitschrift (304.8 K67), Monatschrift für Textil-Industrie (304.8 L53), and Band-, Spitzen- und Posamenten-Industrie.

16787 AMMUNITION (Official publication of the Education Department, International Union, United Automobile, Aircraft and Agricultural Implement Workers of America (UAW-CIO)) Monthly. Vol. 1, No. 1, Apr. 1943. 31 p. Detroit, Mich. 283.8 Am6

16788 BUENOS AIRES (CITY) UNIVERSIDAD NACIONAL. INSTITUTO DE INDUSTRIAS AGRÍCOLAS (LECHERÍA E INDUSTRIA DE LA FRUTA). [Publicación], T. 1, Fasc. 1, July 1942. 23 p. Buenos Aires. 281.9 B861

16789 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. [First] annual report. Fiscal year 1942/1943. 63 p. Washington, Pan American Union, 1943. 28 In83

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Publications preceded by an asterisk (\*) are not available for distribution; microfilm or photoprint copies can be supplied at the cost of preparing them.

**Agricultural War Information**

16791 FOWLER, M. E. Prevent tanbark deterioration. U. S. D. A. AWI-82, 7 p. folder. 1944. 1 Ag84Aw

16792 JOIN us on the farm front; be a Victory Farm Volunteer of the U. S. Crop Corps. U. S. D. A. AWI-91, 2 p. 1944. 1 Ag84Aw

A call to American youth to help on the farm.

16793 POTATOES in popular ways. U. S. D. A. AWI-85, 8 p. folder. 1944. 1 Ag84Aw

Supersedes an unnumbered pamphlet entitled "Potatoes in Low-Cost Meals."

**Circulars**

16794 DAWSON, J. R., and others. Single grains and grain mixtures as supplements to alfalfa hay and silage for milk production. U. S. D. A. Cir. 696, 11 p. 1944. 1 Ag84C

A. L. Watt, C. W. McIntyre, R. E. Leighton, and R. R. Graves, joint authors.

16795 DORAN, C. W., and CASSADY, J. T. Management of sheep on range infested with orange sneeze-weed [*Helenium hoopesii*]. U. S. D. A. Cir. 691, 28 p. 1944. 1 Ag84C

16796 SMITH, T. E. Control of bacterial wilt (*Bacterium solanacearum*) of tobacco as influenced by crop rotation and chemical treatment of the soil. U. S. D. A. Cir. 692, 16 p. 1944. 1 Ag84C

North Carolina Department of Agriculture and North Carolina Agricultural Experiment Station cooperating.

**Farmers' Bulletins**

16797 BISHOPP, F. C., LAAKE, E. W., and WELLS, R. W. Cattle grubs or heel flies with suggestions for their control. U. S. D. A. Farmers' Bul. 1596, slightly rev., 22 p. 1944. 1 Ag84F

16798 POPE, G. W. The disinfection of stables. U. S. D. A. Farmers' Bul. 954, slightly rev., 12 p. 1944. 1 Ag84F

Some of the common disinfectants, together with approved methods of application.

16799 ROCKEY, J. W., and SIMONS, J. W. Sewage and garbage disposal on the farm. U. S. D. A. Farmers' Bul. 1950, 30 p. 1944. 1 Ag84F

Supersedes Farmers' Bulletin 1227, Sewage and Sewerage of Farm Homes.

**Leaflets**

16800 BEATTIE, J. H., and others. Production of peppers. U. S. D. A. Leaflet 140, rev., 7 p. 1944. 1 Ag84L

S. P. Doolittle, W. R. Beattie, Roy Magruder, and R. E. Wester, joint authors.

**Miscellaneous Publications**

16801 BOSWELL, V. R., and WESTER, R. E. Growing vegetables in town and city. U. S. D. A. Misc. Pub. 538, 40 p. 1944. 1 Ag84M

16802 GODFREY, A. B., and ZUMBRO, P. B. Directory of U. S. Register of Merit sires and dams qualifying under the National Poultry Improvement Plan. U. S. D. A. Misc. Pub. 539, 57 p. 1943. 1 Ag84M

Fourth annual directory. Covers the 1941-42 trap-nest record year.

16803 JOHNSON, A. G., LEUKEL, R. W., and HASKELL, R. J. Treat seed grain. U. S. D. A. Misc. Pub. 219, rev., 12 p. 1944. 1 Ag84M

Supersedes Miscellaneous Publication 330, The Minnesota Seed-Grain Treater.

16804 WHITE, W. H., and DOOLITTLE, S. P. A Victory gardener's handbook on insects and diseases. U. S. D. A. Misc. Pub. 525, 30 p. 1944. 1 Ag84M

**Puerto Rico Agricultural Experiment Station**

16805 INFORME de la estación experimental de Puerto Rico, 1942. 32 p. Mayagüez, Puerto Rico, 1944. 1 Ex65

16806 REPORT of the Puerto Rico experiment station, 1943. 38 p., Mayaguez, Puerto Rico, 1944. 1 Ex65

**Radio Broadcasts, National Farm and Home Hour (Processed)**

16807 ANNAND, P. N., and DUMARS, M. L. The fight against insects and plant diseases. 3 p. Jan. 3, 1944. 1.967 A2An7

Mainly what the Bureau of Entomology and Plant Quarantine has done to protect our fighting men.

16808 CHARLES, F. E., and KADDERLY, W. L. Farm ground crew. 2 p. Feb. 1, 1944. 1.914 A2C38

Supply and repair of farm machinery and equipment.

16809 GOLD, N. L., and VAN DEMAN, RUTH. Sugar for civilians in '44. 2 p. Mar. 6, 1944. 1.944 S3G56

16810 HAMBIDGE, GOVE, and KADDERLY, W. L. What about the world food organization. 3 p. Jan. 10, 1944. 1.914 A2H17

Plans for an international Food and Agriculture Organization of the United Nations.

16811 HANCOCK, FRANK, and DUMARS, M. L. Farming opportunities for returning veterans. 3 p. Mar. 23, 1944. 1.95 Ad8Ha

Credit and guidance needed in establishing veterans on farms.



- 16812 HANCOCK, FRANK, and KADDERLY, W. L. Looking ahead with Farm Security. 4 p. Jan. 6, 1944. 1.95 A48Ha
- 16813 HARRIS, MARSHALL, and KADDERLY, W. L. Tenure problems during demobilization. 3 p. Jan. 14, 1944. (Post-War Agr. No. 6) 1.914 R2R11
- 16814 HUDGENS, R. W., and KADDERLY, W. L. Future of the family farm. 3 p. Feb. 17, 1944. (Post-War Agr. No. 11) 1.914 R2R11
- 16815 JACQUES, D. B., and DUMARS, M. L. Flood loans to help farmers meet 1944 food goals. 3 p. Nov. 8, 1943. 1.95 A48J
- 16816 JARDINE, J. T., and KADDERLY, W. L. Eighty-five hundred research projects. 3 p. Jan. 27. 1.9 Ex6Ad
- Work of the Experiment Stations.
- 16817 JOHNSON, SHERMAN, and KADDERLY, W. L. Food for all Americans. 3 p. Jan. 28, 1944. (Post-War Agr. No. 8) 1.914 R2R11
- Farm production after the war.
- 16818 KADDERLY, W. L. "A" awards to [food] processing plants. 1 p. Feb. 10, 1944. 1.941 R2K11
- 16819 KADDERLY, W. L. Saving sheep casings. 1 p. Feb. 23, 1944. 1.941 R2K11
- 16820 MARSHALL, LEE. Markets for peace. 2 p. Mar. 9, 1944. (Post-War Agr. No. 14) 1.914 R2R11
- 16821 MARSHALL, LEE. Processing and distribution of 1944 food supply. 3 p. Jan. 31, 1944. 1.9422 A2M35
- 16822 MOORE, F. E., and KADDERLY, W. L. Trends in poultry breed distribution. 2 p. Feb. 29, 1944. 1.972 A2M78
- 16823 MOTT, F. D., and KADDERLY, W. L. Helping farm families keep well. 4 p. Feb. 9, 1944. 1.95 M46Mo
- 16824 NATIONAL 4-H CLUB program, No. 173. 6 p. Feb. 5, 1944. 1.914 R2R11
- Keeping farm records; grading and packing vegetables; egg grading.
- 16825 OCKEY, W. C., and VAN DEMAN, RUTH. Seasonally abundant foods. 2 p. Feb. 14, 1944. 1.9424 A20c4
- 16826 ROWELL, E. J., and VAN DEMAN, RUTH. Cutting down food waste. 2 p. Feb. 23, 1944. 1.9422 N2R79
- 16827 SALTER, R. M. Plant science in 1943. 2 p. Dec. 23, 1943. 1.965 A2Sa3
- Results of research in the Bureau of Plant Industry, Soils and Agricultural Engineering.
- 16828 SCHWENGER, R. B. World food and foreign trade. 2 p. Mar. 16, 1944. 1.914 R2R11
- 16829 SKINNER, W. W., and KADDERLY, W. L. Chemical science in 1943. 3 p. Jan. 20, 1944. 1.932 A2Sk3
- Results of wartime research in the U. S. Bureau of Agricultural and Industrial Chemistry.
- 16830 STIEBELING, H. K., and KADDERLY, W. L. Women know what they want. 2 p. Feb. 10, 1944. (Post-War Agr. No. 10) 1.914 R2R11
- Post-war planning for the home.
- 16831 TAYLOR, C. C., and KADDERLY, W. L. Security for farm people. 2 p. Jan. 21, 1944. (Post-War Agr. No. 7) 1.914 R2R11
- 16832 TERMOHLEN, W. D., and KADDERLY, W. L. American food in England. 3 p. Jan. 17, 1944. 1.944 D2T27
- 16833 TOLLEY, H. R., and KADDERLY, W. L. World cooperation and American agriculture. 2 p. Feb. 24, 1944. (Post-War Agr. No. 12) 1.914 R2R11
- Full employment; improved production and distribution; more trade and investment with foreign countries.
- 16834 VAN DEMAN, RUTH, and OLSON, MRS. BERTHA. Community canning. 2 p. Feb. 29, 1944. 1.9422 N20L8
- 16835 VAN DEMAN, RUTH, and KADDERLY, W. L. Home food preservation in '44. 2 p. Feb. 1, 1944. 1.914 R2R11
- 16836 WATTS, L. F., and KADDERLY, W. L. Forest growth and post-war needs. 3 p. Mar. 2, 1944. (Post-War Agr. No. 13) 1.9424 A2J72
- 16837 WILSON, M. L. Better [post-war] farm family living. 2 p. Mar. 30, 1944. 1.914 R2R11
- 16838 ZAHNISER, HOWARD. Sphagnum moss and quinine. 2 p. Jan. 12, 1944. 1.965 A2Z1
- Radio Broadcasts.
- Victory Garden Programs (Processed)
- 16839 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Backyard or community garden? 5 p. Feb. 18, 1944. (Victory Gardens No. 42) 1.914 R2R11
- 16840 MOORE, ERNEST, and BOND, C. A. Calling all gardeners. 5 p. Feb. 4, 1944. (Victory Gardens No. 40) 1.914 R2R11
- 16841 MOORE, ERNEST, and BOND, C. A. Getting the most from your Victory garden. 3 p. Feb. 11, 1944. (Victory Gardens No. 41) 1.914 R2R11
- 16842 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Planning a city vegetable garden. 6 p. Mar. 3, 1944. (Victory Gardens No. 44) 1.914 R2R11
- 16843 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Planting the early vegetables - I. 5 p. Mar. 10, 1944. (Victory Gardens No. 45) 1.914 R2R11
- 16844 MOORE, ERNEST, and DUMARS, M. L. Planting the early vegetables - II. 5 p. Mar. 24, 1944. (Victory Gardens No. 47) 1.914 R2R11
- Technical Bulletins
- 16845 HILL, H. O., and others. Investigations in erosion control and reclamation of eroded land at the Blackland Conservation Experiment Station, Temple Tex., 1931-41. U. S. D. A. Tech. Bul. 859, 109 p. 1944. 1 A84Te
- W. J. Peavy, A. G. McCall, and F. G. Bell, joint authors.
- Texas Agricultural Experiment Station cooperating.
- Unnumbered Publications
- 16846 FARM FLASHES. 28 Nos. 1 p. each, processed. n. d. 1.9 In3F
- For broadcast use only.
- Contents: Better hens on farms; Co-op services for war crops; Farm livestock review; FSA farm-buying policy; Farmers' edge-of-town [roadside] market; Farmers need city help; The Federal Seed Act; Food from flooded acres; Forest fire prevention; Grow more in '44; How manage jack pine; Kite flying danger [because of electric wires]; Milk by machine or hand? Milkera for more milk; Milkweed harvest plan; More home hog killing; New plant breeding work; Pig brooder plans; Progress against Brucellosis [Bang's Disease]; Pyrethrum allotments; Rotenone in small packages; Small aids to victory [with angora rabbits, bees, and canary birds]; Stock calcium arsenate now; Stock feeding prospect; Timber for war and bonds; War crops on contour; Why more food in '44; Women workers on farms.
- 16847 HOMEMAKERS' CHAT. 23 Nos. 3 p. each, processed. 1944. 1.9 In3Hh
- For use in non-commercial broadcasts only.
- About the meat supply. Apr. 12.
- Building up your garden soil. Mar. 24.
- Cheese. Mar. 29.
- Community canning. Apr. 10.
- An entire city [Peoria, Ill.] balances its diet. Mar. 22.



- Makeovers for children. Mar. 20.  
No loafing in the breadbox [use up all bread].  
Mar. 17.  
News notes on food. Apr. 3.  
Question box:  
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How remove orange stain? Uses for rhubarb? Can we get raisins now? Mar. 16.  
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How wash blankets? How wash walls? How serve canned snap beans? Mar. 21.  
No expiration dates on red and blue stamps? How use shopping price lists? How get extra shoes for children? Why different ceiling prices? Apr. 6.  
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Strawberry shortcake and biscuit dough. Apr. 7.  
Stuffed vegetable main dishes. Mar. 27.  
Vitamin value of strawberries? How can asparagus? How save fuel in cooking? Mar. 30.  
Wartime nutrition. Apr. 14.  
Watch out for clothes moths. Mar. 13.

#### AGRICULTURAL ECONOMICS, BUREAU OF

- 16848 CURRENT developments in the farm real estate market. 7 p., processed. 1944. 1.941 L2C93  
16849 EARLY spring lamb crop - 1944. 2 p., processed. Mar. 10, 1944. 1.9 Ec742  
16850 FOLSOM, J. C. Social security for farm people; a list of references. 9 p., processed. 1944. 1.941 R7So12  
16851 KIMBALL, E. S., SMITH, P. W., and MOORE, R. F. Farm production, disposition, and income, chickens and eggs, 1942-1943; chickens on farms, January 1, 1943-1944, by States. 14 p., processed. 1944. 1.9 Ec71Fpc  
16852 LARSEN, H. C. Farm-mortgage investments of life insurance companies. 33 p., processed. 1943. 1.941 F4F222  
16853 LIVESTOCK on farms Jan. 1. 15 p., processed. 1944. 1.9 Ec742Un  
Number and value of different kinds of livestock by States.  
16854 MINOR, E. S. Adequacy of district indications in estimating change in cotton acreage. U. S. Bur. Agr. Econ. C. R. P. 16, 6 p., processed. 1944. 1.9 Ec71Crp  
16855 MONTHLY sales of principal field crops; 1942 crop with comparisons, by leading marketing States. 13 p., processed. 1943. 1.942 G3M76  
16856 1943 CERTIFIED seed potato production exceeds previous record by 42 percent. Supply of war-approved seed potatoes large. 7 p., processed. 1944. 1.941 S2P84  
16857 NUTRITION and the war; opinions about food, and their significance for better nutrition. 29 p., processed. 1943. 1.941 ASN95  
16858 STINE, O. C. The outlook for agriculture in 1944. 8 p., processed. 1943. 1.941 H22St5  
Address at 21st annual Agricultural Outlook Conference, Oct. 20.

- 16859 A WAR-TIME water facilities plan for the Lower White River Basin in Rio Blanco, Moffat, and Garfield Counties, Colorado (D1b4). 19 p., processed. 1943. 1.9 Ec76Wf  
Guidance for the installation of pumping plants and rehabilitation of irrigation systems.  
16860 WHITE, B. S., JR., and PORTER, H. G. World needs for U. S. fiber and tobacco. 22 p., processed. 1944. 1.941 S2F44  
Paper prepared at the request of the National Planning Association and published as a part of World Needs for U. S. Food and Fiber, by John D. Black, Planning Pamphlets Nos. 25 and 26.

#### AGRICULTURAL RESEARCH ADMINISTRATION

##### Agricultural and Industrial Chemistry, Bureau of

- 16861 INFORMATION sheet on drying-rate nomographs. IV. Shredded cabbage. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-31-IV, 10 p., processed. Albany, Calif., 1944. 1.932 A2Ag82  
16862 INFORMATION sheet on velva fruit - a new frozen fruit dessert. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-40, 7 p., processed. Albany, Calif., 1944. 1.932 A2Ag82  
16863 REPORT of the Chief of the Bureau of Agricultural and Industrial Chemistry, Agricultural Research Administration, 1943. 40 p. 1944. 1 C42

##### Animal Industry, Bureau of

- 16864 REPORT of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1943. 48 p. 1944. 1 An52; also 1 Ag84  
16865 SUPPLEMENT to hatcheries and dealers participating in The National Poultry Improvement Plan (changes reported to March 20, 1944). 10 p., processed. 1944. 1.9 An52Ah  
Second supplement to A. H. D. 36.

##### Dairy Industry, Bureau of

- 16866 ADDRESS list of national and international dairy associations. Rev. 2 p., processed. 1944. (BDIM-Inf-4) 1.973 D4B34  
16867 AN INDEX for using the micro-film strip on Holstein cattle families. Rev., 13 p., processed. 1943. 1.9 D14Bd  
16868 PARTIAL list of journals relating to the dairy industry. 2 p., processed. 1944. (BDIM-Inf-3) 1.973 D4B34  
16869 REPORT of the Chief of the Bureau of Dairy Industry, Agricultural Research Administration, 1943. 24 p. 1944. 1 Ag84; also 1 D14

##### Entomology and Plant Quarantine, Bureau of

- 16870 DOVE, W. E. The migration and the abundance of the screwworm [Cochliomyia americana] in 1943. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey. Spec. Sup., 6 p., processed. 1943. 1.9 En831B  
16871 INFORMATION about bee culture. U. S. Bur. Ent. and Plant Quar. E-276, 8 p., processed. Beltsville, Md., 1944. 1.9 En83  
Lists of publications, supply houses, organizations in the industry; U. S. D. A. activities; advice to beginners; cardinal points to be observed in keeping bees.  
16872 LATTA, RANDALL, and JOHNSON, A. C. Methyl bromide fumigation of nursery stock for the oriental fruit moth [Grapholitha molesta]. U. S. Bur. Ent. and Plant Quar. E-614, 14 p., processed. 1944. 1.9 En83  
16873 REPORT of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1943. 58 p. 1944. 1 Ag84



Experiment Stations, Office of

16874 LIST of agricultural experiment stations in the United States, January, 1944. 2 p., processed. 1944. 1.9 Ex6L1

16875 LIST of land-grant colleges in the United States, January 1944. 2 p., processed. 1944. 1.9 Ex6La

16876 REPORT of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1943. 12 p. 1943. 1 Ag84

16877 STEECE, H. M. Soybean projects of the State agricultural experiment stations, 1944. 23 p. processed. 1944. 1.9 Ex6So

Human Nutrition and Home Economics, Bureau of

16878 REPORT of the Chief of the Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, 1943. 12 p. 1944. 1 Ag84

Plant Industry, Soils and Agricultural Engineering, Bureau of

16879 KELLOGG, C. E. Our garden soil. 7 p., processed. 1944. 1.965 S6Ou7

Improving the soil; watering; crop selection.

16880 NUNNS, F. K. Soil survey of the Upper Musselshell Valley area, Montana. U. S. Bur. Plant Indus. Soils and Agr. Engin. [Soil Survey Rpt.] Ser. 1939, No. 1, 48 p. 1943. 1 So32F

Montana Agricultural Experiment Station cooperating. Folded map in pocket.

16881 REPORT of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1943. 32 p. 1944 1 Ag84; also 1 P69

FARM CREDIT ADMINISTRATION

16882 HEDGES, HAROLD. Regional grain cooperatives 1942-43. U. S. Farm Credit Admin. Spec. Rpt. 128, 5 p., processed. 1944. 166.2 Sp3

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

16883 INFORMATIONAL materials on foreign agriculture, January 1937-December 1943; a list of articles and studies on agricultural development in foreign countries, foreign competition and demand for farm products and foreign agrarian policies appearing in bulletins and periodicals issued by the Office of Foreign Agricultural Relations. 27 p., processed. 1944. 1.943 In3

FOREST SERVICE

16884 BETTS, H. S. American woods. 4 Nos. 1943. 1.9 F76Am

Contents:

Cottonwood [Poplar]. 11 p.

Douglas-fir [Pseudotsuga taxifolia]. Ref. p. 14-15. 15 p.

Lodgepole pine [Pinus contorta latifolia]. 6 p.

Sweetgum [Liquidambar styraciflua]. 11 p.

16885 HOW TO sharpen cross-cut saws. 6 p., processed. n. d. 1.962 A2H832

U. S. Soil Conservation Service cooperating.

16886 MISSOURI forests; a ready reference for those interested in forest restoration. 45 p., processed. 1943. 1.962 A2M692

Missouri Conservation Commission cooperating.

Nontechnical statement on the situation with suggestions for remedying unsatisfactory conditions.

16887 TECHNICAL note. 3 Nos., processed. Madison, Wis., U. S. Forest Serv. Forest Prod. Lab., 1943. 1.9 F761

No. 168. The effect of moisture content on the bursting strength of fiberboard. Rev. 2 p.

No. 179. The re-use of waste paper. Rev. 2 p. (Formerly entitled "The De-inking of Newspapers.")

No. 186. Coatings that prevent end checks. Rev. 4 p.

16888 TIMBER production war project handbook. Amendment list number thirteen. Looseleaf sheets, processed. 1944. 1.962 A2H19

16889 WATTS, L. F. Where are the goal posts? 8 p., processed. 1944. 1.962 A2W34

Address at Southern Forestry Conference, Atlanta, Jan. 20, on forest practices and policies, with special reference to the South.

GRADUATE SCHOOL

16890 CORRESPONDENCE courses. 14 p., processed. 1943. 1.984 C81

16891 [GRADUATE SCHOOL announcement, spring semester.] 4 Nos., processed. n. d. 1 Ag854E

Lists of courses for students interested in the following subjects: Labor problems. 1 p.; Personnel administration. 2 p.; Public administration. 1 p.; Transportation and traffic management. 1 p.

INFORMATION, OFFICE OF

16892 FARMERS' bulletins Nos. 1901-1925 with contents. 12 p. 1944. 1 Ag84F

16893 FOOD information series. 4 Nos., processed 1944. 1.914 A5F733

No. 82. USDA post-war study, "Demand for Farm Products Depends upon the City." 10 p. Feb. 16.

No. 84. Questions and answers about farm wage stabilization. 5 p. Feb. 21.

No. 84-A. Cotton growers should buy calcium arsenate now. 1 p. Mar. 1.

No. 84-B. Web harness [wartime substitute for leather harness]. 1 p. Mar. 9.

16894 STRUCTURE, functions, and origins of the Department of Agriculture and its constituent agencies. Rev., 17 p., processed. Mar. 1944. 1.914 A2Or4

LIBRARY

16895 BIBLIOGRAPHY of agriculture; index to volume 1, July-December 1942. Subjects. 123 p., processed. 1.916 B471

16896 MCNEILL, J. M. Agricultural credit; publications of the Federal Government and State Agricultural Colleges, 1929-1943. U. S. D. A. Libr. Libr. List 7, 41 p., processed. 1944. 1.916 L612

16897 WHEELER, M. E. Rural housing; a selected list of references prepared for postwar planning groups in the Great Plains Region. 28 p., processed. Lincoln, Nebr., 1944. 1.916 L63R

RURAL ELECTRIFICATION ADMINISTRATION

16898 WATKINS, B. O., and LUBIN, S. Transformer problems. U. S. Rural Electrification Admin. Tech. Standards Bul. 10, 36 p., processed. 1944. 1.933 T22

SECRETARY, OFFICE OF

16899 SIMS, S. D. Farm land boom. 6 p., processed. 1944. 1.91 A2S15

Address at Tax Institute Symposium, Feb. 7.

16900 WICKARD, C. R. Agricultural products [fruits and vegetables] and air transportation. 4 p., processed. 1944. 1.91 A2W63

Address, Mar. 23.

16901 WICKARD, C. R. Exploring agriculture's postwar economic problem. 6 p., processed. 1944. 1.91 A2W63

Address, Mar. 22.



16902 WICKARD, C. R. Victory gardens in 1944.  
2 p., processed. 1944. 1.91 A2W63  
Radio address, Feb. 26.

#### Budget and Finance, Office of

16903 CHECK list of Budget and Finance circulars,  
Nos. 699-743 inclusive. U. S. D. A., Off. Budget  
and Finance, Budget and Finance Cir. 505, sup. 10,  
p. 48-51. Feb. 4, 1944. 1.9 Ag872B

Includes also a 3-page list of supplements to and  
revisions of circulars.

16904 INDEX to General Regulations of the Comp-  
troller General. U. S. Dept. Agr. Off. Budget and  
Finance, Budget and Finance Cir. 627, rev. 1, 24 p.,  
processed. 1944. 1.9 Ag872B

Brings up to date and supersedes the index issued  
as Budget and Finance Circular 627, dated October 31  
1942.

#### Personnel, Office of

16905 EASIER typing. U. S. Dept. Agr. Off.  
Personnel, Admin. Ser. 1, 19 p. 1943. 1 P432A

16906 REID, T. R. Statement to be made...at  
opening of meeting of Personnel of U. S. Department  
of Agriculture at St. Louis, November 30, 1943.  
5 p., processed. 1943. 1.917 A2R27

#### SOLICITOR, OFFICE OF

16907 SHIELDS, R. H. Food Fights for Freedom.  
16 p., processed. 1943. 1.918 Ag8  
Speech prepared for delivery on Nov. 9.

#### WAR FOOD ADMINISTRATION

16908 "FOOD Fights for Freedom;" spring program  
on unrationed and low-point foods will be known as  
"No-Point--Low-Point Foods" promotion. 5 p., proc-  
essed. 1944. 1.9424 A2F31

16909 FOOD program for 1944. 96 p. 1944.  
1 F735F

Includes requirements, production increase since  
1939, production capacity and goals, price stabiliza-  
tion, foreign food procurement program, distribution,  
labor, materials and facilities, transportation and  
storage, fishery program, world food situation, etc.  
Compiled in response to a request by Director James  
F. Byrnes, Office of War Mobilization.

16910 GROW more in '44. 3 p., processed. 1944  
1.9424 A2F92

From the desk of Marvin Jones, War Food Administra-  
tor.

16911 JOHNSON, J. S. Sales promotion program  
no-point and low-point foods for the spring of 1944.  
11 p., processed. 1944. 1.9424 A2J63

Remarks before the National American Wholesale Gro-  
cers Association, Chicago, Jan. 24.

16912 JONES, MARVIN. Beef goes to war. 4 p.,  
processed. 1944. 1.9424 A2J72

Radio address, Feb. 16, about beef cattle and beef.

16913 JONES, MARVIN. Milk goes to war. 3 p.,  
processed. 1944. 1.9424 A2J72

Radio address, Mar. 15.

16914 JONES, MARVIN. Remarks...on Farm and  
Home Hour Program, January 15, 1944, announcing the  
Achievement "A" Awards for food production and proc-  
essing. 2 p., processed. 1944. 1.9424 A2J72

16915 JONES, MARVIN. Saving food is everyone's  
job. 4 p., processed. 1944. 1.9424 A2J72

Radio address, Feb. 24.

16916 JONES, MARVIN. Water and the land.  
4 p., processed. 1944. 1.9424 A2J72

Radio address, Mar. 10, on soil conservation.

16917 JONES, MARVIN. We have just begun to  
work. 3 p., processed. 1944. 1.9424 A2J72

Radio address, Feb. 10, on the farm labor program.

16918 JONES, MARVIN. Wheat goes to war. 3 p.,  
processed. 1944. 1.942 A2J72

Radio address, Mar. 1.

16919 UPSON, MARK. The vital importance of con-  
serving transportation. 5 p., processed. 1943.  
1.9424 T2Up8

Statement, Nov. 5.

16920 YOUR markets have moved. 8 p., processed.  
n. d. 1.9424 A2Y8

Food distribution and population changes with pic-  
tures and maps.

#### Agricultural Adjustment Agency

16921 DODD, N. E., and KADDERLY, W. L. A guide  
to 1944 farm conservation practices. 4 p., proc-  
essed. 1944. 1.42 W52Do

"Farm and Home Hour script for February 21, 1944."

16922 DUGGAN, I. W. American cotton in the  
post-war world. 5 p., processed. 1944.  
1.42 So8Du

Statement at Post-War Cotton Meetings in Auburn,  
Ala., Jan. 14; Atlanta, Jan. 17; Columbia, S. C.,  
Jan. 18.

16923 1944 AGRICULTURAL Conservation Program  
handbook, Western Region. 7 p., processed. 1944.  
(WR-800) 1.42 W52F

Includes provisions relating to payments for partic-  
ipation in the program.

#### Commodity Credit Corporation

16924 COMMODITY CREDIT CORPORATION instructions  
concerning loans on 1943 corn. 5 p., processed.  
1943. (1943 C. C. C. Corn Form 1) 1 C731C

Also Supplement 1 - for various States - which gives  
State corn loan values.

16925 HUTSON, J. B. Food production problems in  
1944. 21 p., processed. 1944. 1.957 H97

Address at Farm and Home Convention, University of  
Kentucky, Lexington, Jan. 26.

16926 HUTSON, J. B. Support prices and the food  
production program for 1944. 21 p., processed.  
1944. 1.962 A2W34

Address at ninth annual meeting of the North Caro-  
lina Farm Bureau Federation, Raleigh, Feb. 2.

#### Distribution, Office of

16927 ANNOUNCEMENTS of intentions to purchase or  
sell certain commodities through the Federal Surplus  
Commodities Corporation. 61 Nos., processed.

1944. 1.9422 A8An7

FSC-1615, sup. 3. Purchase of dry edible beans.  
1 p. Feb. 17.

FSC-1621, sup. 4. Purchase of grade 5 milled rice.  
1 p. Feb. 3.

FSC-1785. Colored oleomargarine (temperata). 3 p.  
Jan. 1.

FSC-1786. Cold pressed oil of grapefruit. 1 p.  
Jan. 4.

FSC-1788. Vegetable seed. 1 p. Jan. 10.

FSC-1789. Nutritional yeast powder and/or tablets.  
1 p. Jan. 12.

FSC-1791. Baled raw cotton. 2 p. Jan. 18.

FSC-1793. Sale of dry pea and soya soup powder.  
2 p. Jan. 25.

FSC-1794. Australian brown onions. 1 p. Jan. 24.

FSC-1796. Miscellaneous feeds. 4 p. Jan. 27.

FSC-1798. Special degerminated yellow corn grits.  
3 p. Jan. 24.

FSC-1799. Hard wheat flour (enriched) compressed.  
3 p. Jan. 26.

FSC-1800. High protein spaghetti. 1 p. Feb. 5.

FSC-1801. Edible linseed oil [raw]. 2 p. Jan. 25.

FSC-1802. Edible linseed oil [refined]. 2 p.  
Jan. 25.

FSC-1803. Sale of dry skim milk and dried whole  
eggs (unfit for human consumption). 1 p. Jan. 20.



- FSC-1808. Concentrated citrus juices. 3 p. Jan. 31. Sup. 1, issued Mar. 23. 1 p.
- FSC-1810. Purchase of fresh shell eggs. 5 p. Jan. 27; Amend. 1 to FSC-1810. 1 p. Feb. 12; Amend. 2, 1 p. Mar. 5.
- FSC-1812. Hard wheat flour (enriched). 1 p. Feb. 14.
- FSC-1812, amend. 1. [Suspends FSC-1812, until further notice.] 1 p. Feb. 24.
- FSC-1813. Toilet soap. 2 p. Jan. 29.
- FSC-1814. Flavored dessert powders. 2 p. Feb. 2.
- FSC-1815. Semolina. 3 p. Feb. 1.
- FSC-1816. Pearl barley cereal. 2 p. Feb. 2.
- FSC-1817. Farina. 3 p. Feb. 1.
- FSC-1818. Hard wheat flour (enriched). 3 p. Feb. 2.
- FSC-1819. Sale of off-condition dried beans, peas and rolled oats (suitable for animal feed). 1 p. Jan. 31.
- FSC-1821. Mustard flour. 3 p. Feb. 4.
- FSC-1823. Oil of Chenopodium (American wormseed oil). 1 p. Feb. 5.
- FSC-1828. Candles. 1 p. Feb. 11.
- FSC-1830. Miscellaneous commodities [Canned fruit, fruit juices, sea food, pickles and sauces, sirup and sugar, dried fruit, spices, cereals, grocery sundries]. 4 p. Feb. 14.
- FSC-1833, amend. 2. Purchase of dried whole eggs. 1 p. Mar. 1.
- FSC-1834. Consumer pack dried skim milk. 1 p. Feb. 26.
- FSC-1837. Evaporated milk. (Supersedes Announcement FSC-1485.) 4 p. Mar. 21.
- FSC-1839. Vegetable seeds (growing contracts for 1945). 1 p. Feb. 15.
- FSC-1840. Wheat flour (enriched); Standard millrun mixed wheat feed. 3 p. Feb. 19.
- FSC-1841. Australian brown onions. 1 p. Feb. 25.
- FSC-1849. No. 2 Heavy white oats or No. 2 heavy red oats. 3 p. Mar. 2.
- FSC-1851. Purchase of grade B dried whole eggs. 1 p. Mar. 3. Also Schedule FSC-1851, Purchase specifications for grade B dried whole eggs. 6 p. Mar. 3.
- FSC-1852. Alfalfa meal. 3 p. Mar. 4.
- FSC-1853. Wheat bran & screenings [and] standard wheat middlings or gray shorts. 3 p. Mar. 2.
- FSC-1855. Processed fresh strawberries. 1 p. Mar. 10. Also three attachments - Containers for food preserved with sulphur dioxide (SO<sub>2</sub>) solution. 1 p.; Purchase contract. 4 p.; Method of processing strawberries. 3 p.
- FSC-1856. Processed fresh raspberries. 1 p. Mar. 10. Attachments similar to FSC-1855 noted above.
- FSC-1855 and 1856, Sup. 1. [Amends specifications to include new paraffin lined red oak barrels.] 1 p. Mar. 31.
- FSC-1859. Sale of whole black pepper. 2 p. Mar. 13.
- FSC-1861. Canned sea herring and canned Maine sardines. 2 p. Mar. 6.
- FSC-1862. Sale of fish oil. 2 p. Mar. 1.
- FSC-1864. Sale of dry skim milk (unfit for human consumption). 1 p. Mar. 1.
- FSC-1867. High protein spaghetti. 1 p. Mar. 8.
- FSC-1868. Hard wheat flour (enriched). 3 p. Mar. 9.
- FSC-1870. Repackaging of butter. 1 p. Mar. 6.
- FSC-1872. Table salt. 1 p. Mar. 13.
- FSC-1873. Canned Alaska salmon. 1 p. Mar. 16. 1 p. Correction issued Mar. 17.
- FSC-1874. Buckwheat cereal. 3 p. Mar. 18.
- FSC-1876. Biscuits (hard bread). 2 p. Mar. 18.
- FSC-1878. Spices. 3 p. Mar. 22.
- 16928 ANNUAL report on tobacco statistics, 1943. 83 p., processed. 1943. (CS-6) 1.9422 A8C732
- 16929 CATTLE and calves: monthly average price per 100 pounds, Houston, 1943. Based on the mean of daily range of quotations. 1 p., processed. Houston, n. d. 1.9422 L8C29Ho
- Similar reports for Denver, Jersey City, Montgomery, North Portland.
- 16930 CATTLE and calves: weekly average price per 100 pounds, Denver, 1943. Based on the mean of daily range of quotations. 2 p., processed. Denver, 1944. 1.9422 L8C29Dnw
- Similar reports for Houston, Indianapolis, Jersey City, Montgomery, North Portland.
- 16931 CURED pork cuts and lard: monthly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, n. d. 1.9422 M8C92Ch
- Similar report for New York.
- 16932 CURED pork cuts and lard: weekly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, 1944. 1.9422 M8C92Chw
- Similar report for New York.
- 16933 DETERMINATION of fair and reasonable prices for the 1944 crop of Hawaiian sugarcane. 1 p. 1943. (S. D. 176) 1.94 Su3Sd
- 16934 DETERMINATION of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of sugarcane in Puerto Rico during the calendar year 1944. 2 p. 1944. (S. D. 178) 1.94 Su3Sd
- 16935 DETERMINATION of (1) normal yield of commercially recoverable sugar per acre and (2) eligibility for payment with respect to abandonment and crop deficiency for farms in the mainland cane area (revised). 2 p. 1943. (S. D. 92, rev. 1) 1.94 Su3Sd
- 16936 DISTRIBUTION problems of a shifting population. 24 p., processed. 1943. 1.9422 A2D63
- An attached summary - "Highlights of Population Shifts" - gives civilian population changes by State and county from U. S. Census Bureau estimates.
- 16937 DODDS, J. E. Food processing in wartime. 9 p., processed. 1944. 1.9422 Fr5D66
- Address at annual Food Processors' Conference, Chicago, Feb. 13.
- 16938 DOMESTIC wool: monthly average prices at Boston, 1943. 1 p., processed. Boston, n. d. 1.9422 L8D71Bp
- Similar reports of prices, grease basis - bright fleece; Scoured basis.
- 16939 DOMESTIC wool: weekly average prices at Boston, 1943. 1 p., processed. Boston, 1944. 1.9422 L8D71Bp
- Similar reports of prices, grease basis - bright fleece; Scoured basis.
- 16940 DRIVEN-IN receipts of livestock, 1943. 19 p., processed. 1944. 1.9 Ec713Dr
- Compiled under the direction of E. M. Jordan. Includes all livestock received at markets other than that received by rail.
- 16941 FACTS on food waste. 4 p., processed. Chicago, U. S. Food Distrib. Admin. Great Lakes Region, 1943. 1.9422 N2F11A
- 16942 FOOD distribution order...Questions and answers. 4 Nos., processed. 1944. 1 F733F
- Canned fish (FDO 44, amend. 2). 4 p. Mar. 15.
- Fish oil (FDO 60, amend. 2). 2 p. Mar.
- Linseed oil (FDO No. 63, amend. 1 and 2). 7 p. Feb.
- Sperm oil (FDO No. 37, amend. 1). 2 p. Feb.



16943 THE FOOD we live by. Rev., 14 p. 1943.

(NFC-5) 1 F733N

Prepared by the U. S. Office of Education. For young people interested in their own food and nutrition problems.

16944 GORDON, M. J. FDA's interest in community food preservation. 5 p., processed. 1944.

1.9422 C1r2G65

Address before meeting of the National Community Food Preservation Workshop, at Peoria, Jan. 17.

16945 HENDRICKSON, R. F. "Hunger quits school." 2 p., processed. Chicago, 1943. 1.944 A2E38

Text of remarks on the Consumer Time Program, Nov. 13, 1943, on the school lunch program.

16946 HOGS: weekly average price per 100 pounds, Indianapolis, 1943. Based on the mean of daily range of quotations. 1 p., processed. Indianapolis, 1943. 1.9422 L8H671nw

Covers the January-June period.

Similar report for South St. Paul.

16947 MAKING the most of meats in the industrial lunchroom. 29 p., processed. 1944. 1.9422 N2M28

Preliminary working draft subject to revision.

Includes recipes for meat extenders and meat alternates.

16948 MARSHALL, LEE. Meeting our 1944 [food] objectives. 6 p., processed. 1944. 1.9422 A2M35

Address, Jan. 24.

16949 MEYER, E. A. Cooperation between Government and the food industry. 6 p., processed. 1944. 1.9422 In2M57

Address at Food Processors' Conference, Chicago, Feb. 13.

16950 1943 [CARLOT] unloads of fruits and vegetables at Cleveland, Ohio; annual summary. 17 p., processed. 1944. 1.9 Ec741Um

Data by commodities. Comparative monthly totals shown for 1941 and 1942, where unloads were reported for those years.

16951 ORDER amending regulations relating to meat inspection. 1 p. Jan. 4, 1944. 1 An50

Amendment 18 to B. A. I. Order 211, revised.

16952 OUTLINE specifications for typical plans skim-milk drying plants. 4 p., processed. 1943. 1.9422 D5Ou8

16953 POLLOCK, E. O. Extension's interest in FDA programs. 5 p., processed. Chicago, 1943. 1.9422 A2P76

Talk before Annual Extension Conference Madison College of Agriculture, Madison, Wis., Dec. 9.

16954 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, and other special programs. 140 Nos., processed. 1944. 1.9422 A8In3

Lists commodities, grade, prices, and vendors.

Cotton. 1 No., IPR-413.

Dairy and poultry products. 31 Nos., IPR-391-409, 416-419, Sup. to 419, 422-424, Sup. to 423, 426, Sup. to 426, 427.

Fish and fish products. 24 Nos., IPR-394-409, 416-418, 421-425.

Fruits, vegetables & products. 21 Nos., IPR-395-401, Sup. to 397, 403-406, 409, 413-414, Sup. to 415, 421, Sup. to 421, 423, Sup. to 423, 425.

Grains, cereals, feeds and seeds. 18 Nos., IPR-394, 396, 398-399, 401-409, Sup. to 414, 419-420, 424, 426.

Meat and meat products. 23 Nos., IPR-395-407, 413-414, 418-425.

Miscellaneous foodstuffs. 12 Nos., IPR-396-399, 401, 403-408, 419-420.

Miscellaneous non-foodstuffs. 1 No., IPR-424.

Rice. 9 Nos., IPR-394, 398, 400, 404, 407, 412, 419, 421, 425.

16955 REED, H. E. Wartime meat programs. 6 p., processed. 1944. 1.9422 L2B25

Address, American National Live Stock Association, Denver, Jan. 14.

16956 SMITH, S. R. Fruit and vegetable price and companion regulations; objectives of the Government program. 12 p., processed. 1943.

1.9422 A2Sm6

Address at meeting of American Farm Bureau Federation, Chicago, Dec. 6.

16957 TOTAL receipts of butter at Chicago, Illinois, for year 1942. 2 p., processed. Chicago, n. d. 1.9422 D8T64

Data by months and for years 1939-1942.

16958 WESTERN dressed fresh meats...Monthly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations.

6 Nos., processed. Chicago, n. d.

Beef and veal. 2 p. 1.9422 M8W52Bc

Lamb and mutton. 1 p. 1.9422 M8W52Lc

Pork cuts. 1 p. 1.9422 M8W52Pc

Similar reports for New York.

16959 WESTERN dressed fresh meats...Weekly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations.

6 Nos., processed. Chicago, 1944.

Beef and veal. 2 p. 1.9422 M8W52Bcw

Lamb and mutton. 1 p. 1.9422 M8W52Lcw

Pork cuts. 1 p. 1.9422 M8W52Pcw

Similar reports for New York.

16960 WHOLESALE prices of fruits and vegetables and tree nuts at New York City, Chicago, and leading shipping points, by months, 1943. 57 p., processed. 1944. 1.942 P43W62

#### Extension Service

16961 CRILE, LUCINDA. A second nation-wide status inventory of neighborhood-leader work. U. S. Ext. Serv., Ext. Serv. Cir. 415, 6 p., processed. 1944. 1.9 Ex892Esc

16962 FRUTCHEY, F. P., and LATHROP, F. W. Non-farm youth work on farms; a summary of nine evaluation studies of the 1943 Victory Farm Volunteers Program. 7 p., processed. 1944. 1.913 E2N73

16963 FRUTCHEY, F. P., and LATHROP, F. W. The Victory Farm Volunteers do good work. 103 p., processed. 1943. 1.913 E2V662

Studies of nonfarm youth in three types of volunteer labor programs - live-in; day-haul; camps.

16964 LYLE, S. P. Farm fire prevention extension work. 4 p., processed. 1943. 1.913 A2L98

Statement at joint meeting of the agricultural committees of the National Fire Waste Council and National Fire Protection Association, Chicago, Nov. 29.

16965 NATIONAL CONFERENCE ON HOME FOOD PRESERVATION, CHICAGO, 1944. A compilation of papers read, and summaries of statements made... at Chicago, Illinois, January 13 to 15, 1944. 54 p., processed. 1944. 1.913 C3N214

16966 NATIONAL CONFERENCE ON HOME FOOD PRESERVATION, CHICAGO, 1944. Reports of conference committees adopted by Conference on Home Food Preservation, Chicago, Illinois, January 13-15, 1944. 26 p., processed. 1944. 1.913 C3N214R

16967 NATIONAL 4-H Mobilization Week, March 4-12, 1944. 9 p., processed. 1944. 1.913 F3N212

Suggestions for County Extension Agents and local leaders.

16968 WILSON, M. L. County agents and the war effort. 8 p., processed. 1943. 1.913 A2W69

Remarks before annual meeting of the National Association of County Agricultural Agents, Chicago, Nov. 30.



16969 WILSON, M. L. National food requirements and home food preservation needs. 5 p., processed. 1944. 1.913 A2W69

Statement before National Home Food Preservation Conference, Chicago, Jan. 13.

#### Farm Security Administration

16970 THE ANNUAL report of the Farm Security Administration, 1942-3. 24 p., processed. n. d. 1.5 R29; also 1 Ag84

16971 HANCOCK, FRANK. Opening statement...at the meeting with FSA Regional Directors...Cincinnati, Ohio,...January 10, 1944. 7 p., processed. 1944. 1.95 Ad8Ha

Objectives and work of the Farm Security Administration.

16972 HUDGENS, R. W. What do we win when we win a war? 10 p., processed. 1944. 1.95 Ad8H

Speech at a conference sponsored by the Michigan Food for Victory Committee, Grand Rapids, Feb. 4.

Our responsibility in the construction of a better economic framework, with special reference to the rural areas.

#### Soil Conservation Service

16973 AYERS, R. S. Physical land conditions on the San Mateo County Soil Conservation District, California. U. S. Soil Conserv. Serv. Physical Land Survey 33, 36 p. 1943. 1.6 So31

Partial contents: Using the land in the...District; Physical features; Climate; Types of farming and land use; The soil conservation survey.

Folded maps in pocket.

16974 BUIE, T. S. The machinery factor in soil conservation. 6 p., processed. 1943. 1.9602 B86

Address, Dec. 7.

16975 DANIEL, H. A. Revegetation and pasture investigation on formerly unused and abandoned land in the Red Plains [Okla.]. 2 p., processed. Guthrie, Okla., n. d. 1.9604 R32

16976 FARM planning and management for soil conservation. 141 p., processed. Milwaukee, Wis., 1944. 1.9605 F221

Revision of a handbook prepared in June 1942 for the Upper Mississippi Region.

16977 NEWS release, Region 5. 11 Nos., 1 p. each, processed. 1943-44.

North Dakota: Crested wheatgrass pasture really pays. Dec. 15; Hay and pasture from former low-yield field. Jan. 5; Stock water dugout helps food producer. Dec. 29; Stubble-mulch farming pays, North Dakotan says. Dec. 22. 1.9607 N47No

South Dakota: Crested wheatgrass is profitable crop. Dec. 8; Forestry project opens supply of fence posts. Dec. 22. 1.9607 N47S

Wyoming: Former waste land now has wildlife crop. Jan. 5; Hayland production is boosted quickly.

Dec. 8; Rotation grazing pays dividends, rancher says. Dec. 29; Spillgate ends flood troubles for rancher. Dec. 15; Willow clearing doubles farm's producing ability. Dec. 22. 1.9607 N47W

16978 SNOW surveys and irrigation water forecasts for Oregon as of March 1, 1944. 13 p., processed. 1944. (v.9, No. 2) 1.96 R31Fs

Oregon Agricultural Experiment Station, Oregon State Engineer, U. S. Forest Service, and National Park Service cooperating.

16979 SNOW surveys and irrigation water forecasts for the Colorado River Drainage Basin, March 1, 1944. 6 p., processed. 1944. 1.96 R31Fsc

Colorado Agricultural Experiment Station cooperating.

16980 SUTTON, J. G. Drainage as an aid to increased food production. 8 p., processed. 1944. 1.96 Op2Dr

Presented at the annual meeting of the American Society of Agricultural Engineers at Lafayette, Ind., June, 1943.

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STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
MAY 1944

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

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Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

16981 HARRINGTON, A. H., JONES, P. E., and LAGRONE, W. F. Peanuts: a war crop on Alabama farms. Ala. Agr. Expt. Sta. Agr. Econ. Mimeog. 1, 27 p. 1943. 100 Allag

Arizona Agricultural Experiment Station, Tucson

16982 SMITH, M. C., CALDWELL, EMILY, and BURLINSON, L. O. The vitamin A, B<sub>1</sub>, and C values of home-dehydrated vegetables. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 57, 11 p. 1944. 100 Ar4M

16983 SMITH, M. C., and others. The vitamin C values of vegetables after institutional preparation for consumption by the Army and Navy training groups at the University of Arizona. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 59, 16 p. 1944. 100 Ar4M

Emily Caldwell, Winifred Ross, and M. A. Wood, joint authors.

16984 TETREAU, E. D. Arizona farm labor situation and outlook for 1944. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 59, 7 p. 1944. 100 Ar4M

Colorado Agricultural Experiment Station, Fort Collins

16985 BEACH, GEORGE, and BRYANT, L. R. Grape growing in Colorado. Colo. Agr. Expt. Sta. Bul. 484, 14 p. 1944. 100 C71S

16986 WEIHING, R. M., and others. Growing alfalfa in Colorado. Colo. Agr. Expt. Sta. Bul. 480, 36 p. 1943. Ref., p. 35-36. 100 C71S

D. W. Robertson, O. H. Coleman, and R. Gardner, joint authors.

16987 COLORADO farm bulletin, v. 6, No. 2, 15 p. Mar./Apr. 1944. 100 C71S

Florida Agricultural Experiment Station, Gainesville

16988 EMMEL, M. W. Chicken pox. Fla. Agr. Expt. Sta. Press Bul. 595, 2 p. 1944. 100 F66S

16989 EMMEL, M. W. Cocklebur poisoning among livestock. Fla. Agr. Expt. Sta. Press Bul. 594, 2 p. 1944. 100 F66S

Georgia Agricultural Experiment Station, Experiment

16990 COCHRAN, H. L. Fertilizer and other experiments with pimientos. Ga. Agr. Expt. Sta. Bul. 231, 20 p. 1943. 100 G29S

16991 BLEDSOE, R. P., BALLARD, W. W., and SMITH, A. L. Cotton variety tests in Georgia, 1938-1943. Ga. Agr. Expt. Sta. Cir. 144, 7 p. 1944. 100 G29S

Indiana Agricultural Experiment Station, Lafayette

16992 GOULD, G. E. The biology and control of the striped cucumber beetle (*Diabrotica vittata* (Fabr.)). Ind. Agr. Expt. Sta. Bul. 490, 28 p. 1944. Ref., p. 26-28. 100 In2P

16993 MILES, S. R. Choosing corn hybrids for Indiana. Ind. Agr. Expt. Sta. Bul. 492, 63 p. 1943. 100 In2P

16994 ROBERTSON, LYNN. Profitable farm organization in northwestern Indiana (Type-of-farming Area 1). Ind. Agr. Expt. Sta. Bul. 491, 35 p. 1944. 100 In2P

16995 ANDREWS, F. N., and HARVEY, A. L. 30 years stallion enrollment in Indiana, report of Stallion Enrollment Board for the year 1943 with lists of stallions and jacks enrolled. Ind. Agr. Expt. Sta. Cir. 293, 38 p. 1943. 100 In2P

16996 BINNEY, T. H. Twenty-ninth annual report of the Creamery License Division for the year ending March 31, 1943. Ind. Agr. Expt. Sta. Cir. 292, 15 p. 1943. 100 In2P

Statistics concerning total production of licensed dairy manufacturing plants.

16997 HILTON, J. H., WILBUR, J. W., and MOTT, G. O. Alfalfa-bromegrass makes good pasture. Ind. Agr. Expt. Sta. Cir. 290, 6 p. 1944. 100 In2P

16998 QUACKENBUSH, F. W., and others. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. Cir. 291, 149 p. 1943. 100 In2P

A. S. Carter, E. R. Clark, R. B. Schulte, Pauline Balbach, Virginia Lee, J. H. Olson, C. M. Cohee, J. W. Jackman, L. C. Shenberger, and H. C. Kennedy, joint authors.

16999 QUACKENBUSH, F. W., MITCHELL, H. L., and CARTER, A. S. Inspection of legume inoculants. Ind. Agr. Expt. Sta. Cir. 294, 4 p. 1943. 100 In2P

17000 SCARSETH, GEORGE, and MOTT, GERALD. All-out fertility for food production. Ind. Agr. Expt. Sta. Agron. Mimeog. 39, 7 p. 1943. 100 In2Agr

Iowa Agricultural Experiment Station, Ames

17001 QUAIFFE, E. L. The brood sow and litter; feeding and management. Iowa Agr. Expt. Sta. Bul. P59, p. 905-920. 1944. 100 Io9

17002 ENGLEHORN, A. J., and BUNCE, A. C. Adjusting crop acreages for war production to the soil resources of Iowa. Iowa Agr. Expt. Sta. Res. Bul. 324, p. 105-140. 1943. 100 Io9

Discusses soil conservation.

17003 HEADY, E. O., HOPKINS, J. A., and MCKIBBEN, E. G. Cost, distribution and utilization of farm machinery in Iowa. Iowa Agr. Expt. Sta. Res. Bul. 323, p. 57-104. 1943. 100 Io9

17004 SHEPHERD, GEOFFREY, and PATERSON, D. G. The proper size and location of corn stabilization stocks. Iowa Agr. Expt. Sta. Res. Bul. 321, 24 p. 1943. 100 Io9

17005 TIFFANY, M. E., and REID, M. G. Some farm family gardens pay in dollars. Iowa Agr. Expt. Sta. Res. Bul. 322, p. 25-54. 1943. 100 Io9



17006 REPORT on agricultural research for the year ending June 30, 1943. Part I. Project reports, publications, staff, and financial statement. 298 p. 1944. 100 Io9

Research reported on agronomy, soils, animal husbandry, animal chemistry and nutrition, dairy husbandry, poultry husbandry, bacteriology, botany and plant pathology, chemistry, dairy industry, entomology and economic zoology, forestry, genetics, home economics, household equipment, horticulture, rural social science, agricultural economics, consumption economics, rural education, and statistics.

17007 REPORT on agricultural research for the year ending June 30, 1943. Part II. Iowa Corn Research Institute, eighth annual report. 79 p. 1944. 100 Io9

Reports research for corn on soils and soil management, cultural methods, equipment and buildings, weed eradication, breeding, diseases, insect pests, chemical composition, industrial utilization, corn products in human and animal nutrition, and economic phases of production and utilization.

Kansas Agricultural Experiment Station, Manhattan

17008 DECKER, S. W., ELMER, O. H., and DEAN, G. A. Potato production in Kansas. Part I. Production and cultural practices. Part II. Diseases and their control. Part III. Insects attacking potatoes. Kans. Agr. Expt. Sta. Bul. 322, 52 p. 1944. 100 K13S

17009 BARNETT, R. J., and FILINGER, G. A. Pruning fruit trees in Kansas. Kans. Agr. Expt. Sta. Cir. 218, 24 p. 1944. 100 K13S  
Revision of Circular 197.

17010 BAYFIELD, E. G. Research in milling industry at the Kansas Agricultural Experiment Station. 16 p. Kans. Agr. Expt. Sta., 1942. 298.9 K132

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

17011 PLANNING for post-war agriculture in Louisiana: a progress report of the Land-Grant College of Agriculture Planning Committee. La. Agr. Expt. Sta. Mimeog. Cir. 39, 155 p. 1944. 100 L935

17012 DAIRY research digest, v. 1, Nos. 1-3; v. 2, No. 1, 4 p. each. May, Aug., Dec. 1943; Mar. 1944. 44.8 D1429

Maine Agricultural Experiment Station, Orono

17013 MERCHANT, C. H. Maine agriculture in 1940: a statistical presentation. Maine Agr. Expt. Sta. Misc. Pub. 578, 257 p. 1943. 100 M26S  
Price 75 cents per copy.

17014 TOBEY, E. R. Commercial feeding stuffs, 1942-43. Maine Agr. Expt. Sta. Off. Insp. 188, 32 p. 1943. 100 M28S

Maryland Agricultural Experiment Station, College Park

17015 JEHLE, R. A., and MCPHEETERS, MARGARET. Quality, adaptability and disease resistance of potato varieties. Md. Agr. Expt. Sta. Bul. X2, 17 p. 1944. 100 M36Bx

Cooking qualities considered.

17016 QUIGLEY, G. D. Photo-plan of a straw loft laying house. Md. Agr. Expt. Sta. Bul. XI, 4 p. 1943. 100 M36Bx

Massachusetts Agricultural Experiment Station, Amherst

17017 DORAN, W. L., and BAILEY, J. S. Propagation of the high-bush blueberry by softwood cuttings. Mass. Agr. Expt. Sta. Bul. 410, 8 p. 1943. 100 M38H

17018 WHITCOMB, W. D., TOMLINSON, W. E., JR., and GUBA, E. F. The grape plume moth [Pterophorus periscelidactylus], with notes on other pests of grapes in Massachusetts. Mass. Agr. Expt. Sta. Bul. 409, 20 p. 1943. 100 M38H

17019 GUNNESS, C. I. Meteorological observations for February, 1944. Mass. Agr. Expt. Sta. Met. Ser. Bul. 662, 4 p. 1944. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

17020 KNIGHT, A. T. Studies of pot-binding of greenhouse plants. Mich. Agr. Expt. Sta. Tech. Bul. 191, 51 p. 1944. 100 M58S

17021 THE QUARTERLY bulletin, v. 26, No. 3, p. 161-234. Feb. 1944. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

17022 KOLLER, E. F. The Minnesota dry milk industry. Minn. Agr. Expt. Sta. Bul. 372, 28 p. 1943. 100 M66

17023 BENSEND, D. W. Effect of nitrogen on growth and drought resistance of jack pine seedlings. Minn. Agr. Expt. Sta. Tech. Bul. 163, 63 p. 1943. Ref., p. 62-63. 100 M66

17024 COMSTOCK, R. E., and others. Studies of semen and semen production. Minn. Agr. Expt. Sta. Tech. Bul. 162, 55 p. 1943. Ref., p. 50-55. 100 M66

W. W. Green, L. M. Winters, and A. W. Nordskog, joint authors.

17025 DETERS, M. E. Silvicultural aspects of woodland management in southeastern Minnesota. Minn. Agr. Expt. Sta. Tech. Bul. 157, 71 p. 1943. Ref., p. 69-71. 100 M66

17026 HAYDAK, M. H., and TANQUARY, M. C. Pollen and pollen substitutes in the nutrition of the honeybee [Apis mellifera]. Minn. Agr. Expt. Sta. Tech. Bul. 160, 23 p. 1943. Ref., p. 21-23. 100 M66

17027 KUKACHKA, B. F., and REES, L. W. Systematic anatomy of the woods of the Tiliaceae. Minn. Agr. Expt. Sta. Tech. Bul. 158, 70 p. 1943. Ref., p. 65-70. 100 M66

Mississippi Agricultural Experiment Station, State College

17028 MOORE, E. L., and CAMPBELL, J. A. Fertilizers for cabbage, peas, and tomatoes. Miss. Agr. Expt. Sta. Bul. 397, 23 p. 1944. 100 M69

17029 NEELY, J. W., and BRAIN, S. G. Cotton variety tests in the Yazoo-Mississippi Delta. Miss. Agr. Expt. Sta. Bul. 398, 8 p. 1944. 100 M69

17030 O'KELLY, J. F. Cotton varieties in the hill section of Mississippi, 1943. Miss. Agr. Expt. Sta. Bul. 396, 8 p. 1944. 100 M69

17031 RANDOLPH, J. W., and ANDERSON, W. S. Sweetpotato production; mechanical equipment studies. Miss. Agr. Expt. Sta. Bul. 392, 96 p. 1943. 100 M69

17032 PINCKARD, J. A. Control of vegetable diseases in home gardens. Miss. Agr. Expt. Sta. Cir. 114, 11 p. 1944. 100 M69

17033 MISSISSIPPI farm research, v. 7, No. 3, 8 p. Mar. 1944. 100 M69M1

Montana Agricultural Experiment Station, Bozeman

17034 AFANASIEV, M. M., and MORRIS, H. E. Diseases of sugar beets in crop rotations at the Huntley Branch Station, Huntley, Montana from 1936 to 1941. Mont. Agr. Expt. Sta. Bul. 419, 23 p. 1943. 100 M76



17035 CLARK, R. T., and others. Performance-testing of beef cattle. Mont. Agr. Expt. Sta. Bul. 417, 12 p. 1943. 100 M76  
Bradford Knapp, Jr., A. L. Baker, and J. R. Quesenberry, joint authors.

17036 MCCALL, RALPH, CLARK, R. T., and PATTON, A. R. The apparent digestibility and nutritive value of several native and introduced grasses. Mont. Agr. Expt. Sta. Bul. 418, 30 p. 1943. Ref. p. 29-30. 100 M76

17037 RICHARDSON, J. E. A comparison of the qualities of flours made from white wheat varieties grown in Montana when used for making cakes and cookies. Mont. Agr. Expt. Sta. Bul. 416, 32 p. 1943. 100 M76

17038 WHITCOMB, W. O., and KRUSE, A. H. Montana seed law (as amended 1939): rules and regulations and forms of labels prescribed for Montana. Seed testing by the Montana Grain Inspection Laboratory. Mont. Agr. Expt. Sta. Cir. 176, 16 p. 1943. 100 M76  
Revision of Cir. 155, 1939.

17039 HARRINGTON, F. M., and POLLINGER, W. E. Sweet cherries. Mont. Agr. Expt. Sta. War Cir. 7, 7 p. 1944. 100 M76W

17040 KEEPING range lambs free from intestinal worm. Mont. Agr. Expt. Sta. War Cir. 5, 4 p. 1943. 100 W76W

17041 MILLS, H. B. The wheat stem sawfly, *Cephus cinctus* Nort., in Montana. Mont. Agr. Expt. Sta. War Cir. 6, 7 p. 1944. 100 M76W

17042 PREVENTION of losses from coccidiosis (scours) in feed lot lambs. Mont. Agr. Expt. Sta. War Cir. 4, 3 p. 1943. 100 M76W

#### Nebraska Agricultural Experiment Station, Lincoln

17043 PETERSON, A. W. A farm management survey of pump irrigated farms in Buffalo County. Nebr. Agr. Expt. Sta. Bul. 358, 28 p. 1944. 100 M27

17044 THALMAN, R. R. Corn and alfalfa substitutes for fattening cattle. Nebr. Agr. Expt. Sta. Bul. 355, 40 p. 1944. 100 M27

Grainless corn silage, cottonseed cake, molasses, wheat, wheat straw, oats, and hominy are the substitutes fed in these experiments.

#### Nevada Agricultural Experiment Station, Reno

17045 HEADLEY, F. B., and HARTLEY, M. L. Factors affecting the net incomes of livestock farms in Nevada. Nev. Agr. Expt. Sta. Farm Managt. Bul. 4(3): 1-5, processed. 1943. 100 M414F

#### New Jersey Agricultural Experiment Station, New Brunswick

17046 REEVE, ELDROW, PRINCE, A. L., and BEAR, F. E. The boron needs of New Jersey soils. N. J. Agr. Expt. Sta. Bul. 709, 26 p. 1944. 100 M468

17047 PLOWSHARES and swords: the 64th annual report of the New Jersey State Agricultural Experiment Station and the 56th annual report of the New Jersey Agricultural College Experiment Station, 1942-43. 64 p. 1943. 100 M468

Issued also as New Jersey Agriculture, v. 25, No. 6 Nov./Dec. 1943.

Reports research on problems of the soil, growing better plants-growing plants better, and more milk, more eggs, more meat.

#### New Mexico Agricultural Experiment Station, State College

17048 KNOX, J. H., and NEALE, P. E. Alfalfa hay as the roughage in cattle-fattening rations. N. Mex. Agr. Expt. Sta. Bul. 310, 14 p. 1943. 100 M468

#### New York (State) Agricultural Experiment Station, Geneva

17049 MARQUARDT, J. C., and YALE, M. W. Pasteurizing milk for cheese making by direct steam. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 271, 13 p. 1943. 100 N48

17050 YALE, M. W., and MARQUARDT, J. C. Coliform bacteria in Cheddar cheese. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 270, 27 p. 1943. 100 N48

#### North Carolina Agricultural Experiment Station, State College Station, Raleigh

17051 RESEARCH and farming, v. 2, Prog. Rpt. No. 1, 12 p. Jan. 1944. 100 N81P

#### Ohio Agricultural Experiment Station, Wooster

17052 NEISWANDER, C. R. The ring-legged earwig *Euborellia annulipes* (Lucas). Ohio Agr. Expt. Sta. Bul. 648, 14 p. 1944. 100 Oh358

17053 PATON, R. R., SECREST, EDMUND, and EZRI, H. A. A survey of forest plantations in Ohio. Ohio Agr. Expt. Sta. Bul. 647, 77 p. 1944. 100 Oh38

17054 SHERMAN, L. W., and ELLENWOOD, C. W. Top-working and bench-grafting walnut trees. Ohio Agr. Expt. Sta. Spec. Cir. 69, 16 p. 1944. 100 Oh38

17055 BIMONTHLY bulletin, v. 29, No. 227, p. 83-131. Mar./Apr. 1944. 100 Oh38

#### Oklahoma Agricultural Experiment Station, Stillwater

17056 DAVIDSON, E. D., and PARCHER, L. A. The influence of mineral rights on transfers of farm real estate in Oklahoma. Okla. Agr. Expt. Sta. Bul. B-278, 16 p. 1944. 100 Ok4

17057 FENTON, F. A., and WHITEHEAD, F. E. Control of wheat insects. Okla. Agr. Expt. Sta. Bul. B-275, 46 p. 1944. 100 Ok4

#### Oregon Agricultural Experiment Station, Corvallis

17058 COONEY, W. T. Preincubation humidity variation effects on chicken egg hatchability. Oreg. Agr. Expt. Sta. Tech. Bul. 2, 27 p. 1943. 100 Or38

17059 STEPHENS, D. E., OVESON, M. M., and MITCHELL, G. A. Water requirement of wheat at the Sherman Branch Experiment Station. Oreg. Agr. Expt. Sta. Tech. Bul. 1, 27 p. 1943. 100 Or38

17060 STEPHENSON, R. E., and SCHUSTER, C. E. Chemical composition and responses to fertilization of western Oregon nut orchard soils as indicated by greenhouse and field trials. Oreg. Agr. Expt. Sta. Tech. Bul. 3, 31 p. 1943. 100 Or38

#### Pennsylvania Agricultural Experiment Station, State College

17061 WILDE, E. I., and MEHL, R. P. 1943 rose test of 184 varieties of H. T. rose at the Pennsylvania State College. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1216, 15 p., processed. 1944. 100 P381J

#### Puerto Rico Agricultural Experiment Station, Rio Piedras

17062 AGRICULTURA experimental, v. 3, No. 3, 12 p. May/June 1943. 100 P83Ae

#### South Dakota Agricultural Experiment Station, Brookings

17063 GRAFIUS, J. E., and HEHN, E. E. South Dakota corn performance test, 1943. S. Dak. Agr. Expt. Sta. Cir. 50, 24 p. 1944. 100 So82



17064 LARSEN, L. F. Power buck rakes. S. Dak. Agr. Expt. Sta. Cir. 49, 20 p. 1944. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

17065 SHEERBAKOFF, C. D., and STANLEY, W. W. The more important diseases and insect pests of crops in Tennessee. Tenn. Agr. Expt. Sta. Bul. 186, 141 p. 1943. 100 T25S

17066 MASTERS, F. N., and ALLRED, C. E. Population situation and trends in Tennessee as a whole. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 166, 41 p., processed. 1944. 173.2 W89Co

Utah Agricultural Experiment Station, Logan

17067 POLLARD, L. H., and others. Tomato production in Utah. Utah Agr. Expt. Sta. Cir. 120, 31 p. 1944. 100 Utl

H. B. Peterson, H. L. Blood, and W. E. Peay, joint authors.

Includes directions for the control of diseases and insect pests.

17068 FARM & home science, v. 5, No. 1, 12 p. Mar. 1944. 100 UtlF

Virginia Agricultural Experiment Station, Blacksburg

17069 SMITH, A. G., JR. Experiments on the culture of narcissus. Va. Agr. Expt. Sta. Bul. 357, 16 p. 1943. 100 V81S

Washington Agricultural Experiment Station, Pullman

17070 FIFTY-THIRD annual report, Washington Agricultural Experiment Stations for the fiscal year ended June 30, 1943. Wash. Agr. Expt. Sta. Bul. 435, 163 p. 1943. 100 W27E

Research reported on agricultural engineering, agronomy, animal husbandry, chemistry, dairy husbandry, entomology, farm management and agricultural economics, home economics, horticulture, plant pathology, poultry husbandry, rural sociology, and veterinary science.

17071 HARSTON, C. B., KAISER, V. G., and HORNER, G. M. Gypsum (land plaster) for peas. Wash. Agr. Expt. Sta. V Cir. 17, 3 p. 1944. 100 W27E

17072 VANDECAVEYE, S. C., and DUNN, L. E. How and where to use lime in western Washington. Wash. Agr. Expt. Sta. V Cir. 16, 3 p. 1944. 100 W27E

Wisconsin Agricultural Experiment Station, Madison

17073 WHAT'S new in farm science: Part I, sixtieth annual report for the year ended June 30, 1943. Wis. Agr. Expt. Sta. Bul. 461, 65 p. 1943. 100 W75

Research reported on livestock, poultry and game, feeding the family, managing the farm and home, marketing farm products, dairy products, crop sidelights from the laboratory, and nutrition, basic and general.

Wyoming Agricultural Experiment Station, Laramie

17074 WHEELER, S. S. War time feeding and management of hogs. Wyo. Agr. Expt. Sta. Bul. 265, 42 p. 1944. 100 W99



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

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Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alaska University, Extension Service, College

17075 FOHN-HANSEN, LYDIA. Alaska berries. Alaska Univ. [Agr.] Ext. Leaflet 141, 8 p. 1943. 275.29 A113L

Directions for canning and preservation.

Arkansas University, College of Agriculture, Agricultural Extension Service, Little Rock

17076 BAERG, W. J. Beekeeping. Ark. Agr. Col. Ext. Cir. 326, rev., 15 p. 1943. 275.29 Ar4

17077 DICKERSON, L. B., and LOUGHEAD, M. E. 4-H club manual in household administration, demonstration No. 2. Ark. Agr. Col. Ext. Cir. 375, rev., 11 p. 1943. 275.29 Ar4

17078 BATES, S. D. Join the Woman's Land Army for active duty on the home front; produce food for victory. Ark. Agr. Col. Ext. Leaflet 59, 3 p. 1944 275.29 Ar4Le

17079 SELECTION and care of rayon. Ark. Agr. Col. Ext. Leaflet 36, rev., 6 p. 1943. 275.29 Ar4Le

17080 WORK and sport clothes. Ark. Agr. Col. Ext. Leaflet 34, rev., 4 p. 1943. 275.29 Ar4Le

California University, College of Agriculture, Agricultural Extension Service, Berkeley

17081 ESSIG, E. O., and HOSKINS, W. M. Insects and other pests attacking agricultural crops. Calif. Agr. Col. Ext. Cir. 87, rev., 197 p. 1944. 275.29 C12C

17082 SHULTIS, ARTHUR, and HALL, B. J. 1943 sixth annual turkey egg study, San Diego County, California. 8 p., processed. 1943. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

17083 ROLLINS, H. A. Home orchard and small fruits spray and dust program. Conn. Agr. Col. Ext. Bul. 348, 12 p. 1944. 275.29 C76B

17084 ROLLINS, H. A. Spray program for apple and peach, 1944. Conn. Agr. Col. Ext. Bul. 349, 12 p. 1944. 275.29 C76B

17085 ROLLINS, H. A. Spray program for pear, cherry, plum, grape, raspberry, strawberry. Conn. Agr. Col. Ext. Bul. 350, 8 p. 1944. 275.29 C76B

Delaware University, School of Agriculture, Extension Service, Newark

17086 HOUSEHOLD equipment, its care and simple repair. Del. Univ. Agr. Ext. Bul. 39, 36 p. 1943. 275.29 D37

17087 BRASHER, E. P. Vegetable gardening for victory. Del. Univ. Agr. Wartime Ext. Folder 5, rev., 12 p. 1944. 275.29 D37W

17088 PRODUCE your share; food fights for freedom. Del. Univ. Agr. Wartime Ext. Folder 8, 12 p. 1944. 275.29 D37W

Georgia University, College of Agriculture, Agricultural Extension Service, Athens

17089 GLENN, H. S., and DOWDY, W. V. Fix it: household equipment, care and repair. Ga. Agr. Col. Ext. Bul. 503, 27 p. 1944. 275.29 G29B

17090 ALEXANDER, E. D. Corn in Georgia. Ga. Agr. Col. Ext. Cir. 320, 8 p. 1944. 275.29 G29C

Increasing yields.  
17091 8 POINT milk production program. Ga. Agr. Col. Ext. Cir. 319, 8 p. 1944. 275.29 G29C

17092 MATHEWS, SUSAN. Let's have eggs. Ga. Agr. Col. Ext. Cir. 317, 4 p. 1943. 275.29 G29C

Recipes for cooking eggs.  
17093 RICE, W. S. Producing fat calves. Ga. Agr. Col. Ext. Cir. 321, 6 p. 1944. 275.29 G29C

Hawaii University, Agricultural Extension Service, Honolulu

17094 CHUN, E. Y., and GANTT, P. A. Electric pig brooders save baby pigs. Hawaii Univ. Agr. Ext. Cir. 166, 3 p., processed. 1944. 275.29 H312Ac

17095 ELLIOTT, RALPH, and HONMA, HARUO. Estimated 1943 production of 12 crops, Hawaii, Maui, and Oahu. Hawaii Univ. Agr. Ext. Cir. 167, 19 p., processed. 1944. 275.29 H312Ac

Iowa State College of Agriculture, Agricultural Extension Service, Ames

17096 IOWA garden guide. Iowa State Col. Agr. Ext. Pam. 80, 16 p. 1944. 275.29 Io9Pa

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

17097 VALLEAU, W. D., and HUNT, R. A. Tobacco varieties that have proved their worth. Ky. Agr. Col. Ext. A-25, 5 p. 1943. 275.29 K415Ab

17098 DAVIS, A. B., LACY, EDITH, and LATIMER, RUTH. The 4-H club member entertains. Ky. Agr. Col. Ext. Cir. 393, 20 p. 1943. 275.29 K415

17099 HOUSEHOLD equipment, its care and simple repair. Ky. Agr. Col. Ext. Cir. 391, 36 p. 1943. 275.29 K415

17100 LACY, EDITH, LATIMER, RUTH, and DAVIS, A. B. Foods project for 4-H clubs: 4-H bake book. Ky. Agr. Col. Ext. Cir. 392, 24 p. 1943. 275.29 K415

Maine University, College of Agriculture, Agricultural Extension Service, Orono

17101 STEINBAUER, G. P., and STEINMETZ, F. H. Poison ivy and poison sumac, identification and eradication. Maine Agr. Col. Ext. Bul. 321, 8 p. 1944. 275.29 M281B

17102 BONDE, REINER, WYMAN, O. L., and MINER, B. B. Potato ring rot. Maine Agr. Col. Ext. Cir. 189, 6 p. 1944. 275.29 M281C

17103 CARTER, R. M. Save work in feeding cows. Maine Agr. Col. Ext. Cir. 191, 4 p. 1944. 275.29 M281C

Also published as Vermont Extension Brieflet 687.  
17104 DORSEY, L. M. Milking machine sanitation. Maine Agr. Col. Ext. Cir. 193, 6 p. 1944. 275.29 M281C

17105 FARM machinery, keep it rolling. Maine Agr. Col. Ext. Cir. 192, 8 p. 1944. 275.29 M281C



- 17106 MAINE garden guide. Maine Agr. Col. Ext. Cir. 190, 8 p. 1944. 275.29 M281C  
Planting table for the Victory garden.
- Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park
- 17107 FIGHT insects and diseases in Victory gardens. Md. Agr. Col. Ext. Bul. 101, 16 p. 1944. 275.29 M36B
- Massachusetts State College, Extension Service, Amherst
- 17108 GRIFFITHS, F. P., and others. Special food preservation problems. Mass. State Col. Ext. Leaflet 226, 24 p. 1943. 275.29 M381L  
W. R. Cole, S. G. Davis, and W. B. Esselen, joint authors.
- 17109 TUTTLE, A. P. Potatoes in home gardens. Mass. State Col. Ext. Leaflet 231, 4 p. 1944. 275.29 M381L
- 17110 TUTTLE, A. P. Starting vegetable plants in the home. Mass. State Col. Ext. Leaflet 232, 4 p. 1944. 275.29 M381L
- Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing
- 17111 BELL, L. E., and JEFFERSON, C. H. Use of jack pine and popple for farm buildings. Mich. State Col. Agr. Ext. Bul. 255, 23 p. 1944. 275.29 M58B
- 17112 BOWSER, PERRY, and others. Michigan garden guide. Mich. State Col. Agr. Ext. Bul. 258, 30 p. 1944. 275.29 M58B  
P. R. Krone, K. G. Barrons, Ray Hutson, J. H. Muncie, and James Tyson, joint authors.
- Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul
- 17113 ANDERSON, P. A. Making lard at home. Minn. Univ. Agr. Ext. Folder 120, 4 p. 1944. 275.29 M66Ex
- New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca
- 17114 MILLS, W. D., and EVANS, J. A. Diseases and insects of small fruits. N. Y. (Cornell) Agr. Col. Ext. Bul. 306, rev., 56 p. 1943. 275.29 N48E
- 17115 1944 NEW YORK farm outlook. N. Y. (Cornell) Agr. Col. Ext. Bul. 636, 28 p. 1944. 275.29 N48E
- 17116 WORK, PAUL. Varieties of vegetables for 1944: the vegetable-seed situation. N. Y. (Cornell) Agr. Col. Ext. Bul. 638, 20 p. 1944. 275.29 N48E
- Oregon State College, Federal Cooperative Extension Service, Corvallis
- 17117 BOUQUET, A. G. B. Broccoli growing and marketing. Oreg. State Col. Ext. Cir. 411, 3 p., processed. 1943. 275.29 Or32C  
Revision of 262.
- 17118 BOUQUET, A. G. B. Brussels sprouts. Oreg. State Col. Ext. Cir. 422, 3 p., processed. 1943. 275.29 Or32C  
Revision of 279.
- 17119 BOUQUET, A. G. B. Celery growing and marketing. Oreg. State Col. Ext. Cir. 421, 9 p., processed. 1943. 275.29 Or32C  
Revision of 309.
- 17120 BOUQUET, A. G. B. Greenhouse management. Oreg. State Col. Ext. Cir. 418, 20 p., processed. 1943. 275.29 Or32C
- 17121 BOUQUET, A. G. B. Production and marketing of onions. Oreg. State Col. Ext. Cir. 419, 9 p., processed. 1943. 275.29 Or32C  
Revision of 312.
- 17122 GRAY, K. W., and FERGUSON, G. R. Pea weevil *Bruchus pisorum*, control in 1943. Oreg. State Col. Ext. Cir. 410, 4 p., processed. 1943. 275.29 Or32C
- 17123 INCOME tax reporting and farm bookkeeping. Oreg. State Col. Ext. Cir. 420, 2 p. 1943. 275.29 Or32C  
A supplement to a Statement on farm bookkeeping and the Federal income tax, by the Bureau of Agricultural Economics and Extension Service of the United States Department of Agriculture, revised October, 1943.
- 17124 KING, A. S. Preventing fire losses from spontaneous ignition of hay. Oreg. State Col. Ext. Cir. 412, 4 p., processed. 1943. 275.29 Or32C
- 17125 MCWHORTER, O. T. Composts for garden soils. Oreg. State Col. Ext. Cir. 415, 3 p., processed. 1943. 275.29 Or32C  
Revision of 387.
- 17126 MCWHORTER, O. T. Pruning suggestions for fruit trees. Oreg. State Col. Ext. Cir. 425, 7 p., processed. 1944. 275.29 Or32C  
Revision of Circular 350.
- 17127 MCWHORTER, O. T. Zinc treatments for little leaf. Oreg. State Col. Ext. Cir. 409, 4 p., processed. 1943. 275.29 Or32C  
Revision of 310.
- 17128 NEIGHBORHOOD leaders in Oregon, 1942-1943: summary of activities. Oreg. State Col. Ext. Cir. 417, 4 p., processed. 1943. 275.29 Or32C
- 17129 RED AND black raspberries: agricultural statistics, 1936 to 1943. Oreg. State Col. Ext. Cir. 424, 4 p., processed. 1944. 275.29 Or32C
- 17130 WALKER, CLYDE. Harvesting smooth dry peas. Oreg. State Col. Ext. Cir. 408, 3 p., processed. 1943. 275.29 Or32C
- 17131 PREVENT accidents; stop carelessness on farm and in the home. Oreg. State Col. Ext. Club Ser. A-36, 16 p. 1943. 275.29 Or32Bo
- 17132 SEYMOUR, H. C., COWGILL, HELEN, and ALLEN, L. J. Information for local leaders. Oreg. State Col. Ext. Club Ser. A-39, 31 p. 1943. 275.29 Or32Bo
- South Carolina, Clemson Agricultural College, Extension Service, Clemson
- 17133 CLARK, O. M. The agricultural outlook for 1944. Clemson Agr. Col. S. C. Ext. Cir. 252, 8 p. 1944. 275.29 So8E
- 17134 FEED production recommendations for 1944. Clemson Agr. Col. S. C. Ext. Cir. 255, 8 p. 1944. 275.29 So8E
- 17135 PHAGAN, C. V. The care and maintenance of terraces. Clemson Agr. Col. S. C. Ext. Cir. 254, 4 p. 1944. 275.29 So8E
- 17136 PHAGAN, C. V. Terracing in South Carolina. Clemson Agr. Col. S. C. Ext. Cir. 251, 20 p. 1944. 275.29 So8E
- Vermont University, College of Agriculture, Agricultural Extension Service, Burlington
- 17137 SOMMERFELD, EDNA. Short cuts in sewing. Vt. Agr. Col. Ext. Brieflet 693, 23 p. 1944. 275.29 V592
- 17138 TWENTY-EIGHTH report of cooperative extension work in agriculture and home economics, state of Vermont, for the fiscal years ending June 30, 1942, and June 30, 1943. Vt. Agr. Col. Ext. Bul. 28, 36 p. 1944. 275.29 V59



Virginia Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

- 17138 VAUGHAN, E. K. Control victory garden pests and diseases. Va. Agr. Col. Ext. Bul. 158, 11 p. 1944. 275.29 V81B
- 17140 4-H club girls' victory project: record book. Va. Agr. Col. Ext. Cir. E-367, rev., 13 p. 1943. 275.29 V81C
- 17141 4-H PROJECT manual: breeding pig. Va. Agr. Col. Ext. Cir. E-380, 5 p. 1944. 275.29 V81C
- 17142 4-H PROJECT manual: brooding and rearing. Va. Agr. Col. Ext. Cir. E-377, 6 p. 1944. 275.29 V81C
- 17143 4-H PROJECT manual: corn production. Va. Agr. Col. Ext. Cir. E-379, 5 p. 1944. 275.29 V81C
- 17144 4-H PROJECT manual: raising the dairy calf. Va. Agr. Col. Ext. Cir. E-378, 6 p. 1944. 275.29 V81C
- 17145 4-H PROJECT manual: vegetable gardening. Va. Agr. Col. Ext. Cir. E-376, 12 p. 1944. 275.29 V81C

Washington State College, Extension Service, Pullman

- 17146 DODGE, J. C., and HARVEY, W. A. Weeding carrots with stove oil spray. Wash. State Col. Ext. Mimeog. 219, 2 p. 1944. 275.29 W27M1

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 17147 HIBBARD, B. H., and MCNALL, P. E. The farm lease and the rental contract. Wis. Agr. Col. Ext. Cir. 303, rev., 23 p. 1943. 275.29 W75C
- 17148 CLOTHING, 4-H club work: keep on sewing, project II. Wis. Agr. Col. Ext. Cir. 4-H 4, rev., 8 p. 1943. 275.29 W75Cf
- 17149 CLOTHING, 4-H club work: learn to sew, project I. Wis. Agr. Col. Ext. Cir. 4-H 3, rev., 8 p. 1943. 275.29 W75Cf
- 17150 GRAINS in our meals: 4-H club foods project. Wis. Agr. Col. Ext. Cir. 4-H 39, 16 p. 1944. 275.29 W75Cf
- Cooking with cereals.
- 17151 I FLEDGE my health. Wis. Agr. Col. Ext. Cir. 4-H 38, 6 p. 1943. 275.29 W75Cf
- 17152 LET'S do something about safety: Wisconsin 4H safety program. Wis. Agr. Col. Ext. Cir. 4-H 41, 8 p. 1944. 275.29 W75Cf
- 17153 LET'S talk about safety: Wisconsin 4H radio speaking program. Wis. Agr. Col. Ext. Cir. 4-H 42, 4 p. 1944. 275.29 W75Cf
- 17154 JONAS, C. E. Furniture care in wartime. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17155 JONAS, C. E. Rugs: care in wartime. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 17156 MILK - keep it coming. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- Dairy production in wartime.
- 17157 RUPPEL, I. W., and BOHSTEDT, GUS. Today's dairy feeding problems. 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17158 THESE practices save farm labor. 3 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17159 MOORE, J. G. Currants and gooseberries in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 177, rev., 5 p., processed. 1944. 275.29 W75B
- 17160 MOORE, J. G. Growing grapes at home. Wis. Agr. Col. Ext. Stencil Cir. 235, 8 p., processed. 1944. 275.29 W75B

- 17161 MOORE, J. G. Growing strawberries in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 237, 14 p., processed. 1944. 275.29 W75B
- 17162 MOORE, J. G. Pruning fruit trees. Wis. Agr. Col. Ext. Stencil Cir. 236, 8 p., processed. 1944. 275.29 W75B
- 17163 SUGAR beets in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 238, 6 p., processed. 1944. 275.29 W75B

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 17164 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. A program for county banks., 20 p. N. Y., 1944. 284.2 Am3P
- 17165 ANGLO-AMERICAN CARIBBEAN COMMISSION. The Caribbean Islands and the war; a record of progress in facing stern realities. 85 p. Washington, U. S. Govt. Print. Off., 1943. 280.14 An3
- Various aspects of the problem include food and shipping, wages and unemployment, and the sugar crop. The appendixes include cost of living charts.
- 17166 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. Britain's mandate for Palestine. 12 p. N. Y., 1944. (ID 497) 280.9 B772
- The appendix, summarizing the 1939 White Paper, includes land policy.
- 17167 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. British Government machinery for reconstruction. (A summary account.) 14 p. N. Y., 1944. (ID 492) 280.9 B772
- Agriculture, p. 6-7.
- 17168 BROWN, B. H. The tariff reform movement in Great Britain, 1881-1895. 170 p. N. Y., Columbia Univ. Press, 1943. Ref., p. 153-162. 285 B81
- Includes the movement for agricultural protection.
- 17169 BULGAROVSKI, G. P., and others. Organizatsiia sel'skokhoziaistvennoi bazy v Dzhzhkzkgane [Organization of an agricultural base in Dzhzhkzkgan], 33 p. Alma-Ata, Kazakhskii Nauchno-issledovatel'skii Institut Ekonomiki Sel'skogo Khoziaistva, 1940. 281.179 B87
- F. I. Zenkovich, M. N. Lytsenko, and G. I. Tsypkin, joint authors.
- 17170 CANADA. BUREAU OF STATISTICS. Cost of living index numbers for Canada, 1913-1942. 15 p., processed. Ottawa, 1943. 284.49 C16
- 17171 CARVALHO, J. B. DE M. O ensino, as pesquisas e o Instituto Nacional de Oleos. 323 p. Rio de Janeiro, Brazil, Ministério da Agricultura, Centro Nacional de Ensino e Pesquisas Agronômicas, Instituto Nacional de Oleos, 1942. 307 B46E
- A collection of papers, addresses, and legislative acts relating to agricultural education, the National Oil Institute, and the oils and fats industry of Brazil.
- 17172 CENTRO AZUCARERO ARGENTINO, BUENOS AIRES. Asistencia social en la industria azucarera. 182 p. Buenos Aires, 1943. 281.365 C332
- Social services offered by various Argentine sugar firms.



- 17173 COE, C. J. Farmers in 1944. 55 p. N. Y., Farm Res., Inc. 1944. 281.12 C65  
The future of American agriculture as determined by the 1944 presidential election.
- 17174 COLOMBIA. SECRETARIO DE AGRICULTURA Y FOMENTO. Informe que el Secretario de Agricultura y Fomento rinde al Sr. Gobernador del Departamento del Valle del Cauca. 46 p. Cali, 1943. 9.4 C31  
Contains a plan for the economic development of the Cauca Valley and outline of a study of agriculture and industries derived from it, prepared by Carlos E. Chardon.
- 17175 DAY, J. W. Farming adventure; a thousand miles through England on a horse; with a foreword by the Duke of Grafton. 253 p. London, Harrap, 1943. 281.171 D33  
Describes a trip through East Anglia in wartime showing what has been done to revive the land, the everyday activities of the people, and their views.
- 17176 DUSS, J. S. The Harmonists; a personal history. 425 p. Harrisburg, Pa., Pa. Book Serv., 1943. 280 D94  
The story of the Harmony Society and its cooperative communities.
- 17177 EASTERBROOK, L. F. Achievement in British farming. 36 p. London, Pilot Press, 1943? (Achievement Books) 281.171 Ea7  
The history of British agriculture and the wartime farming program.
- 17178 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of I. 49 border semi-arable farms and II. 22 border hill sheep farms for 1939-40. 15 p., processed. Edinburgh, 1941. 281.9 Ed4Re
- 17179 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of I. 50 border semi-arable farms and II. 21 border hill sheep farms for 1938-39. 16 p., processed. Edinburgh, 1940. 281.9 Ed4Re
- 17180 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of 58 East of Scotland farms for 1938-39. I. 21 arable farms. II. 20 semi-arable farms. III. 17 dairy farms. 21 p., processed. Edinburgh 1940. 281.9 Ed4Re
- 17181 ESCRITT, L. B. Regional planning; an outline of the scientific data relating to planning in Great Britain. 263 p. London, Allen, 1943. Ref., p. 242-253. 280.171 Es1  
Includes the study of the soil, planning for agriculture and forestry, and land drainage.
- 17182 FLEDDERUS, M. L., and VAN KLEECK, MARY. Technology and livelihood; an inquiry into the changing technological basis for production as affecting employment and living standards. 237 p. N. Y., Russell Sage Found., 1944. 280.12 R912  
Chapter three deals with developments in soil science and changes in farm labor requirements.
- 17183 GALIMON, L. S. Kreditovanie sovkhov i kolkhov i finansirovanie MTS [Credit for State and collective farms and financing the MTS (machine tractor stations)]. 164 p. Moskva, Gosfinizdat, 1940. 281.179 G13
- 17184 GERSCHENKRON, ALEXANDER. Bread and democracy in Germany. 238 p. Berkeley, Univ. of Calif. Press, 1943. Ref., p. 225-232. 281.175 G32  
A study of agricultural protectionism in Germany and its relation to the problem of democracy. Brings out the effect of the Junkers on the rise of Fascism and the need for their elimination as a social and economic group in the post-war period.
- 17185 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Farm book-keeping. 24 p. London, H. M. Stationery Off., 1943. 30.6 G79
- 17186 GREER, H. C., and SMITH, DUDLEY. Accounting for a meat packing business. 274 p., processed. Chicago, Univ. of Chicago, Inst. of Meat Packing, 1943. 325 G85
- 17187 HAMLIN, H. M. The community program of agricultural education. 137 p., processed. Champaign, Ill., Illini Union Bookstore, 1943. 275.1 H184  
Related readings at end of most chapters.
- 17188 HAYSTEAD, LADD. Meet the farmers. 221 p. N. Y., Putnam, 1944. 281.12 H33  
A description of the farmer and his problems.
- 17189 HOERNLE, E. Wie lebt der deutsche Bauer? 68 p. Moskau, Verlag für Fremdsprachige Literatur, 1939. 281.2 H672W  
The position of the German farmer under National Socialism, including measures taken to deal with the rural exodus.
- 17190 HUGHES, P. G. Wales and the drovers; the historic background of an epoch. 63 p. London, Foyle's Welsh Co., 1943. 43 H875  
Discusses the cattle trade carried on by the drovers, including a description of the rural and economic life of the period.
- 17191 HUXLEY, JULIAN. TVA; adventure in planning; with a foreword by the Honourable John G. Winant... and notes on the illustrations by Gordon and Flora Stephenson. 142 p. Cheam, Surrey, Architect. Press, 1943. 280.003 H98  
Includes the soil improvement and farming programs.
- 17192 KIRKWOOD, JOHN. Farm book-keeping; the principles and practice of book-keeping applied to agriculture for agricultural colleges, extension classes, evening classes and practical farmers. Ed. 2, 228 p. Edinburgh, Green, 1942. 30.6 K63
- 17193 LILIENTHAL, D. E. TVA - democracy on the march. 248 p. N. Y., Harper, 1944. 280.002 L62T  
Some references for technicians, p. 227-241.  
Includes increased productivity of farming and the farming and rehabilitation program.
- 17194 LOMBARDO TOLEDANO, VICENTE. Los principales problemas de la agricultura y de la economía del continente americano. 94 p. México, D. F., Universidad Obrera, 1942. 281 L83  
Contains recommendations made by the Confederación de Trabajadores de América Latina and the Confederación de Trabajadores de México.
- 17195 LONDON. COUNTY COUNCIL. Post-war reconstruction - Expert Committee on Compensation and Betterment (Uthwatt Committee) - evidence. 13 p. London, 1941. 98.5 L84
- 17196 LYSENKO, T. D. Uvelichit' prodovol'stvennye resursy sovetskogo gosudarstva [To increase the food resources of the Soviet State]. 79 p. Omsk, Narkomzem SSSR, 1942. 33.31 L99
- 17197 NORTHERN GREAT PLAINS AGRICULTURAL COUNCIL. Reports and discussions at meeting held at Omaha, Nebr., Jan. 10, 11, 1944. 79 p., processed. Omaha? Nebr., 1944. 282.9 N817  
Subjects discussed were conditions in the Great Plains; soil, range, and forest development and conservation; opportunities for returning war veterans in farming, rural industries, and rural electrification; problems of land settlement; increase of settlement opportunities through irrigation; farm placement aid to returned servicemen and released war workers; rural housing; rural health; and social security for farm people.
- 17198 NORWAY. STATISTISK SENTRALBYRÅ. Bureising med statsstatte, 1921-1936. 234 p. Oslo, Aschehoug, 1941. (Norges Offisielle Statistikk [Rekke], I, [Nr.] 1) 282.2 N83  
A statistical study of Government-promoted settlement in Norway from 1921 to 1936.



17199 OGBURN, W. F., ed. American society in wartime. 237 p. Chicago, Univ. of Chicago Press, 1943. Ref. (Charles R. Walgreen Found. Lectures) 280.12 OglA

Includes Farms and Farming Communities, by Lowry Nelson, p. 82-104, which discusses the effects of the war upon agriculture and rural society.

17200 PACIFIC ADVERTISING ASSOCIATION. ADVANCEMENT OF BUSINESS COMMITTEE. How war is changing Pacific area markets. 110 p., processed. San Francisco, 1943. 280.32 Pl1

Partial contents: What war is doing to western incomes, by Warwick Carpenter (includes rural effective buying income), p. 13-24; What changes are taking place in farm markets? by H. E. Erdman, p. 25-26. Section II contains statistics on farm income, p. 75-77.

17201 PADEN, I. D. The wake of the prairie schooner. 514 p. N. Y., Macmillan, 1943. Ref., p. 479-504. 138 Pl3

The writer's experiences in following the overland trails from the Mississippi Valley to Oregon and California, with much detail on the history of western settlement.

17202 PRENTICE, E. P. Food, war and the future. 164 p. N. Y., Harper, 1944. 389 P91F

The effect of freedom upon food production and progress in agriculture, from a historical point of view.

17203 RANDALL, ROGER. Labor relations in the pulp and paper industry of the Pacific Northwest. 107 p. Portland, Oreg., Northwest Regional Council, 1942. Ref. 283 R152

Bonneville Power Administration, Pacific Northwest Regional Planning Commission cooperating.

17204 REID, D. M. The problem of the Highlands; a survey of the position as it affects the north-west. Ed. 2, 64 p. Stirling, Scotland, Mackay, 1943. 280.171 R272

Agricultural and economic conditions in the Scottish Highlands.

17205 ROSS, JAMES. Rebuilding Britain, a select list of books on town and country planning. 20 p. Bristol, Pub. Libr., 1943. 241.3 B77

17206 ROYAL INSTITUTE OF BRITISH ARCHITECTS, LONDON. Rebuilding Britain. 80 p. London, Humphries, 1943. Ref., p. 78-80. 98.5 R81

Touches upon rural planning.

17207 RUDNITS'KIY, V. V., ed. Rist dobrobutu trudiashchikh kraiin sotsializmu [Growth of worker's prosperity in the land of socialism]. 81 p. Kish, Derzhavne Vydavnit'stvo Politichnoi Literatury, 1939. 280.179 R83

Includes the rural worker.

17208 SARGENT, NOEL. Postwar conditions and trends; analysis. 38 p. N. Y., Natl. Assoc. of Mfrs., 1943. 280.12 N216P

Proportion of labor in agriculture, p. 30.

17209 SMOOKLER, IDAIR. Subsidies in price control; a selected bibliography. 5 p., processed. Washington, U. S. Off. for Emergency Managt., 1943. 173.4 Sul

17210 SOROKIN, P. A. Russia and the United States. 253 p. N. Y., Dutton, 1944. 280.179 So6

Contains reference to collective farms and land distribution in Russia.

17211 TANAHASHI, H. Les syndicats agricoles en France et au Japon; une considération institutionnelle et sociologique. 7 p., processed. Kyoto? 1940? 280.2 T15

17212 \*U. S. S. R. GLAVNOE UPRAVLENIE MOLOCHNOI PROMYSHLENNOSTI. Instruktsiya po bukhgalterskomu uchetu v kentorakh raimoloko [Bookkeeping instruction in the regional milk offices]. 112 p. Moskva, "Glavmoloko," 1943. 44 Un382

17213 VAN CLEEF, EUGENE. Geography for the businessman. 246 p. N. Y., Harper, 1943. Ref., p. 238-241. 278 V27

Includes weather and climate, rural land values, soils, markets, cooperatives, price control, and international trade.

#### AGRICULTURAL ENGINEERING

17214 EASTERBROOK, L. F. Machines on the farm. 32 p. London, Pitman, 1943. (Britain Advances 3) 58 Ea7

17215 \*KARAULOV, N. A. Usloviia primeneniia vodnoi energii dlia obmoloia khlebov [Conditions for using water power for grain threshing]. 31 p. Moskva, Akademiia Nauk, 1943. 292.4 K14

17216 MCHARDY, D. N. Tractor versus U-boat. 52 p. Reading, England, Power Farmer, 1943. 58 M18T

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

17217 ACTON, A. L. "Half a pint of milk." 64 p. Gravesend, England, Philip, 1943? (Aftermath Ser. 2) 280.344 Ac8

The food value of milk, milk sales and prices, and the economic aspects of free distribution of milk.

17218 ALBERTA WHEAT POOL. Canadian wheat policies in depression and war. 8 p. Calgary, Alberta, 1944. 281.359 AL2

17219 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. 1943 year book. 704 p. N. Y., Howes, 1943. 306.9 Am32

Reports of committees and subcommittees of the Association, outlining research and developments in textile chemistry and dyeing. Includes a list of publications of the Research Committee, p. 91-97; Bibliography of color, p. 109-121; General bibliography of textile chemistry, p. 141-172; and Testing in-secproofing of materials, p. 123-124, 263-272.

17220 AMERICAN MARKETING ASSOCIATION. National roster; biographical directory with geographical list of members.... Year book, 1943. 100 p. Cambridge, Mass., 1943. 119 Am34

Address communications and inquiries to the Secretary, Ross M. Cunningham, Massachusetts Institute of Technology, Cambridge, Mass.

17221 \*ARBUZOV, G. A. Professa obrazovanii koshi pri rastitel'nom dublenii [Process of formation of leather by vegetable tanning]. 108 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1941. 303 Ar1

17222 BAILEY, G. H. The constituents of wheat and wheat products. 332 p. N. Y., Reinhold, 1944. (Amer. Chem. Soc. Monog. Ser. 96) 389 B152C

17223 BELGIAN CONGO. SERVICE DE L'AGRICULTURE ET COLONISATION. SECTION DE LA PRODUCTION DE CAOUTCHOUC. Petit manuel à l'usage de tous ceux qui contribuent à la production du caoutchouc sauvage. 31 p., processed. Leopoldville, 1943. 78 K83

Includes tapping methods, processing, and trade.

17224 THE BLUE book of southern progress, 1943. 132 p. Baltimore, Mfrs. Rec., 1944. 252 M312

Contains statistics of agriculture and agricultural products.

17225 BRANCHE, MARGARET. "Freeze it,"... a non-technical booklet written from experience explaining the latest ideas, time saving tools and methods for the home preservation of foods by quick freezing. 34 p. Towanda, Pa., Margaret Branche, 1943. 389.3 B73

17226 BUSHMAN, ANN, comp. Summary of carlot unloads, truck receipts and local receipts of agricultural commodities, in Bridgeport, Hartford, New Haven and Waterbury, for the year 1943. 17 p., processed. Hartford, Conn. State Dept. Agr. Bur. Markets, 1944. 280.39 C762



17227 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the artificial and real silk industry in Canada 1942. 11 p., processed. Ottawa, 1944. 253 C3321

17228 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the tobacco industries in Canada 1942. 24 p., processed. Ottawa, 1944. 253 C3321

17229 CARVALHO, J. B. DE M. Ensaios sobre a carnaubeira. 369 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. Ref., p. 353-357. 77 B642

17230 \*DORNER, WILLY, DEMONT, PAUL, and CHAVANNES, DANIEL. Microbiologie laitière; publiée sous les auspices de l'Association Suisse des Professeurs d'Agriculture. 224 p. Lausanne, Payot, 1942. 448.2 D734

17231 GRAPEFRUIT ADMINISTRATIVE COMMITTEE. Second annual report, desert grapefruit marketing program, season of 1942-1943. 15 p., processed. Phoenix, Ariz., Grapefruit Admin. Com. and Grapefruit Advisory Bd., 1943. 280.3939 G76

17232 \*GRÜNER, V. S. Uproshchennye metody pererabotki kakao-bobov [Simplified methods of usage of cocoa bean]. 37 p. Moskva, Vsesoiuznyi Konditerskii Nauchno-Issledovatel'skii Institut, 1942. 68.3 G88

17233 HANNA, P. R., and KRUG, E. A. Marketing the things we use. 315 p. Chicago, Scott, 1943. 280.3 H192

Includes marketing of food products with particular attention to coffee.

17234 HARPER, L. K. Dehydration, its post-war future. 132 p. N. Y., Williams, 1943. 389.3 H23

17235 HAYNES, WILLIAMS. The chemical front. 264 p. N. Y., Knopf, 1943. 388 H336f

Achievements in chemistry, including insecticides, and synthetic vanilla, rubber, and fibers.

17236 HOLMES, H. N. Out of the test tube. Ed. 4, rev. and expanded. N. Y., Emerson Books, 1943. 386 H730

Includes chapters on silks and cellulose, sugars, fats, the farm as a factory, strategic raw materials, etc.

17237 INDIA. DEPT. OF COMMERCIAL INTELLIGENCE AND STATISTICS. Crop atlas of India. Rev. ed., 19 double maps. Delhi, 1939. 269.5 C73

Maps show the area under cultivation of different crops.

17238 INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS. BRITISH SECTION. Emulsion technology, theoretical and applied, including the symposium on technical aspects of emulsions. 290 p. Brooklyn, Chem. Pub. Co., 1943. 387.1 In8E

Ref. at end of most sections.

Partial contents: The design of emulsifying machines, by R. I. Johnson, p. 88-118; Problems connected with the preparation and application of emulsions used in agricultural spraying, by R. M. Woodman, p. 127-175; Some observations on a typical food emulsion, by J. W. Corran, p. 176-192; Emulsions and emulsification in the wool textile industry, by J. B. Speakman and N. H. Chamberlain, p. 193-206; Emulsions in the leather industry, by W. R. Atkin and F. C. Thompson, p. 230-239; Rubber latex, by H. P. Stevens and W. H. Stevens, p. 240-252.

17239 \*KOPELIOVICH, P. S. Analiz v koshevennom proizvodstve [Analysis in the leather industry]. V. 1, 415 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1941. 303 K83

17240 \*KRASNOV, K. A. Vydělka kozliny dljá zimnego obmundirovaniâ [The production of goatskin for winter uniforms]. 22 p. Moskva, Gisleprom, 1942. 303 K86

17241 \*KRASNOV, K. A. Vydělka shubnoi ovchiny kustarnym sposobom [The production of sheepskin by hand-made methods]. 22 p. Moskva, Gisleprom, 1942. 303 K86V

17242 \*LAĬKOV, V. V., ed. Kachestvo sovetetskogo khlopka [Quality of Soviet Cotton]. 236 p. Moskva, Tsentral'nyi Nauchno-Issledovatel'skii Institut Khlopchatobumazhnoi Promyshlennosti, 1939. 72 L14

Contents: Novye selektsionnye sorta sovetetskogo khlopka [New varieties of Soviet cotton], by V. V. Laïkov, p. 3-99; Kachestvo khlopka si-ailend [The quality of sea-island cotton], by M. M. Moiseenko, p. 100-113; Izuchenie prichin razlichii v mekhanicheskoi prochnosti khlopkov amerikanskikh i egipetskikh semian [On the difference in firmness of American and Egyptian cottons], by A. N. Bofarkin, p. 114-133; Bystryi metod opredeleniâ vlazhnosti khlopka elektropriborom [Quick method of determining cotton moisture by an electrical apparatus], by S. I. Shchegolev, p. 134-145; Opredelenie zasorennosti khlopka na analizatore [Analysis of cotton for impurities], by A. G. Feofilov, p. 146-172; Voloknouchistitel'naia mashina [Cotton-fiber cleaning machine], by S. I. Shchegolev, p. 173-203; Povyshenie proizvoditel'nosti dzhinov i kachestvo khlopka [Increasing the productivity of gins and its effect on cotton quality], by V. V. Laïkov, p. 204-235.

17243 \*LIBERMAN, P. SH. Trebovaniâ promyshlennosti k kachestvu urozhaia khlopka [Demands of industry for high grade cotton harvest]. 27 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1939. 72 L61

17244 \*MAKRINOV, I. A. Biologicheskaiâ matseratsiâ rastitel'nykh tkanei; vvedenie v izuchenie biologicheskoi mochki volknistykh rastenii [Biological maceration of plant tissues; introduction to the study of the biological maceration of fibrous plants]. 114 p. Moskva, Akademiâ Nauk, 1941. 463.29 M28  
German summary.

17245 MATHIESON, G. S. Wheat and the futures market; a study of the Winnipeg Grain Exchange. 74 p. Winnipeg, Hignell Print. Ltd., 1942. 280.359 M42

17246 MEASURES to improve the quality of the nation's milk supply. 8 p. London, H. M. Stationery Off., 1943. (Gt. Brit. Parliament. Papers by Command. Cmd. 6454.) 281.344 G793

17247 \*MERKEL, HANS. Die marktorrdnung und ihr recht. 262 p. Berlin, Reichsnährstand, 1942. 281.175 M54

An account of the German system of market regulation, its history, application to various products, and relation to other laws. Price control is included.

17248 MILWAUKEE JOURNAL. War-time consumer analysis of the greater Milwaukee market. 20th Ann. ed., 1943, 107 p. Milwaukee, 1943. 280.9 M64  
Includes study of consumption of food and other agricultural products.

17249 MUKERJEE, RADHAKAMAL. The food supply of India. 32 p. London, Milford, 1942. (Oxford Pam. on Indian Aff. 8) 281.182 M892Fo

17250 NOTESTEIN, F. W., and others. The future population of Europe and the Soviet Union; population projections 1940-1970. 315 p. Geneva, League of Nations, Econ., Financ. and Transit Dept., 1944. 280.9 L47P

I. B. Tasuber, Dudley Kirk, A. J. Coale, and L. K. Kiser, joint authors.

Selected Bibliography on Population Projections with Special Reference to Europe, p. 219-234.

Includes, p. 165-169, extent of population pressure on the land.



17251 PORTER, B. W. Transportation requirements for the movement of hay from the field to the point of consumption on a statewide basis, under prevailing wartime conditions. 38 p., processed. Los Angeles, Calif. Railroad Comm. Transportation Dept. Engin. Div, 1943. 289.4 C122

17252 PROGRESSIVE GROCER. Facts in food and grocery distribution, as of Jan. 1944. 23 p. New York, The Progressive Grocer, 1944. 286.29 P94  
Report for 1943 of retail grocery and food sales and prices.

17253 \*BOGOV, M. S. Stakhanovskie metody prokati kosh [Stakhanovite methods in the rolling of hides]. 15 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1940. 303 R632

17254 \*SOKOLOV, S. I., ed. Fiziko-khimiia kollagen, tannidov i protsessov dubleniia; (Nauchno-Issledovatel'skie Raboty Laboratorii Fizicheskoi i Kolloidnoi Khimii) [Physico-chemistry of collagen, tannins and tanning processes]. 195 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1941. 303 S03

17255 \*SPASSKIĬ, N. A., FIRSANOVA, E. A., and VASIL'EVA, Z. T. Rastitel'nyi kleĭ dlia pereplet-nykh rabot [Vegetable glue for bookbinding work]. 132 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1939. 309 Sp2

At head of title: Trudy Nauchno-Issledovatel'skogo Instituta Poligraficheskoi i Izdatel'skoi Tekhniki NKMP.

17256 TEXTILE FOUNDATION, INC. Directory of textile testing laboratories, commercial and educational. 20 p. Washington, 1943. 225 T313

17257 TEXTILE MERCURY, LTD. Wool year book 1943. 645 p. Manchester, England, 1943? 45.8 W883  
Contains a review of the industry and data on processing of wool.

17258 U. S. FEDERAL TRADE COMMISSION. Report... on distribution methods and costs. Part I. Important food products. 223 p. Washington, 1944. 173 F32Dm

Includes discussion of the coffee, flour milling, milk and milk products, sugar, fruit and vegetable canning, and meat packing industries.

17259 \*VILENSKIĬ, E. KH. Sbor i zagotovka rastitel'nykh dubitelei [Collection and preparation of vegetable tannides]. 122 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1940. 303 V712

#### ANIMAL INDUSTRY

17260 COFFIN, D. L. Manual of veterinary clinical pathology. 120 p. Phila., Col. Offset Press, 1944. 41 C65

Ref. at end of most sections.

Laboratory procedures and interpretations for practitioners and students.

17261 CONN, H. J., and DARROW, M. A., eds. Staining procedures used by the Biological Stain Commission. Various paging. Geneva, N. Y., Biotech Pub. 1945. 442 C763S

Loose-leaf.

Ref. at end of sections.

Contents: Introduction (general methods); Pt. I. Animal histology, Sect. A - D.

17262 THE FEED Bag Red Book; reference book of the feed industry; buyers guide for 1944. 200 p. Milwaukee, Ed. Serv. Co., 1944. 389.78 F322

Partial contents: Feed industry meeting its obligation, by Lyman Peck, p. 9-10, 13; Feed vitamin knowledge is growing, by C. A. Elvehjem and G. M. Briggs, Jr., p. 34-38, 41-43, 45; Good feeds made despite shortages, by Harry Titus, p. 129-138; Poultry conservation saves feed, by C. D. Carpenter, p. 171, 174; Vitamin tables, p. 149-150, 154-157; Feed ingredient analysis tables, p. 152-153.

17263 FOX, W. M. The A B C of poultry-raising. A handbook of practical poultry-craft, whether your flock numbers 6 or 6000. 165 p. Los Angeles, Coast Pub., 1943. 47 F833

Includes diagrams for construction of houses and equipment, and information on diseases and parasites.

17264 GARNER, F. H. The farmer's animals; how they are bred and reared. 99 p. Cambridge, England, Univ. Press, 1943. 40 G18

Written to introduce the subject to young people.

17265 GENERAL MILLS, INC. The Larro turkey book. Ed. 2, 59 p. Minneapolis, 1945. 47.5 G28

Prepared by the Poultry Service Dept. of General Mills Larro Research Farm.

Advertises Larro turkey feeds.

17266 GROSSMAN, J. D. Dissection guide for veterinary anatomy. Ed. 4, 52 p., processed. Ann Arbor, Mich., Edwards, 1944. 41 G91

For students. Interleaved for notes.

17267 GUABER, J. Gallos, gallinas y pollos. Ed. 3, 63 p. Madrid, Ed. Ibéricas, 1941? (Pequeña Enciclopedia Práctica, No. 8) 47 G93

17268 HILL, H., and DODSWORTH, E. Food inspection notes; a handbook for students. 121 p. London, Lewis, 1943. 389.4 H55

Includes slaughtering, precautions to take in the processing of various foods, and diseases of food animals.

17269 INTERNATIONAL BABY CHICK ASSOCIATION. Who's who in the hatchery world, and year book for 1944. Ed. 10, 336 p. Kansas City, Mo., 1944. 47.9 In83

17270 KING, D. F. Poultry handbook for the Southern States. 68 p. Raleigh, Prog. Farmer-Ruralist Co., 1944. 47 K58P

17271 KRAUSBECK, E. El perro de policía; su cría, educación y adiestramiento. Ed. 5, 122 p. Buenos Aires, Artus, 1943. 48 K86

17272 LEBEL', L. D., and ZELENSKIĬ, IŬ. G. Kozovodstvo i kozy Dagestana (Goats and goatbreeding of Dagestan). 61 p. Piatigorsk, Vsesoiŭznyi Nauchno-Issledovatel'skii Institut Ovtsevodstva i Kozovodstva, 1936. Ref. 40.1 L49K

English summary.

17273 MAKAROV, A. M., ed. Sbornik nauchnykh rabot po kormleniiu ovets [Collection of scientific studies on feeding of sheep]. 190 p. Voroshilovsk, Ordzhonikidzevskoe Kraevoe Izd., 1939. 389.7 M28

17274 MEEK, M. W. Diseases and parasites of rabbits, and their control. Ed. 3, 189 p. Montebello, Calif., Reliable Fur Indus., 1943. Ref., p. 184-185. 41 M475D

17275 MERCHANT, I. A., and PACKER, R. A. Handbook for the etiologist, diagnosis and control of infectious bovine mastitis. 66 p., processed. Minneapolis, Burgess, 1944. Ref., p. 62-66. 41 M53

17276 NATIONAL POULTRY INSTITUTE, INC. Opportunities in poultry keeping. Locating the poultry plant. Rev. ed., 81 p. Adams Center, N. Y., 1943. 47 N21  
Commercial poultry farming course, lessons 1, 2, 3 and 4.

17277 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El astrekan en Navarra. 21 p. Pamplona, Aramburu, 1939. 45 N22

Raising Karakul sheep.

17278 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Breviario del cunicultor. 27 p. Pamplona, Aramburu, 1939. 40.2 N22

17279 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Conferencias radiadas por el micrófono de radio Navarra en 1937: gallinocultura, cunicultura, apicultura, ganado lanar. 33 p. Pamplona, Aramburu, 1938. 40 N22



- 17280 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Los despojos del conejo. 19 p. Pamplona, Aramburu, 1939. 40.2 N22D
- 17281 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Ensilado de forrajes. 22 p. Pamplona, Aramburu, 1939. 60.7 N222
- 17282 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El gallinero casero. 18 p. Pamplona, Aramburu, 1939. 47 N22
- 17283 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Un rapport télégraphique sobre la cría porcina. 19 p. Pamplona, Aramburu, 1939. 46 N22
- 17284 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Ratas y ratones; temibles enemigos del campo y la ciudad. 16 p. Pamplona, Aramburu, 1940. 412.7 N22
- Damage done by rats and mice and methods for controlling them.
- 17285 POVAZHENKO, I. E. Zaboлевaniia kholki lozhadi [Diseases of the horse's withers]. 148 p. Kiev, Derzhavne Vidavnitstvo Kolgospnoi i Radgospnoi Literaturi URSR, 1937. Ref., p. 152-154. 41 P862
- 17286 RENTSCHLER, H. C. More chickens quicker with short wave ultraviolet. 3 p., processed. Bloomfield, N. J., Westinghouse Elect. & Mfg. Co., 1944. 47 R29
- Ultraviolet lamps in brooding houses prevent infection and promote growth.
- 17287 ROSCOE, CHARLES. Manual of duck keeping. 52 p. London, Crowther, 1943? 47.1 R71
- Abbreviated edition of his Ducks and Duck Breeding, published in 1941.
- 17288 VERMONT UNIVERSITY AND STATE AGRICULTURAL COLLEGE. DEPT. OF ANIMAL AND DAIRY HUSBANDRY. Papers presented at: 1. Twenty-second short course conference for dairy plant operators and milk distributors, and twenty-second annual meeting of the Vermont Dairy Plant Operators and Managers Association, November 3-4, 1943. 2. First short course conference for feed manufacturers, distributors and feeders, and first annual conference of the Vermont Feed Dealers and Manufacturers Association, October 6-7, 1943. 173 p. Burlington, 1944? 44.9 V593
- 17289 VEZZANI, VITTORINO, and CARBONE, ETTORE. Problemi relativi alla produzione economica della carne bovina in Piemonte. 7 p. Torino, Tipog. de "La Stampa," 1939. 43 V64
- 17290 VEZZANI, VITTORINO, and FRANCESCHETTI, GIUSEPPE. La selezione della gallina Piemontese. 7 p. Torino, Tipog. de "La Stampa," 1939. 47 V64
- 17291 WILSON, W. K. Rabbits for profit (food and fur). 88 p. London, Crowther, 194-? 40.2 K58R
- ENTOMOLOGY
- 17292 BOWEN, C. V. Organic iodine compounds tested against insects, fungi, and bacteria. A review of the literature. 20 p. N. Y. Iodine Ed. Bur., 1944. Ref., p. 15-20. 241.7 B67
- 17293 IMPERIAL INSTITUTE OF ENTOMOLOGY, LONDON. PARASITE SERVICE. A catalogue of the parasites and predators of insect pests, prepared under the direction of W. R. Thompson, Sect. 1, Pts. 1-2. Belleville, Ont., 1943. 423 Im7
- Contents: Parasite host catalogue: 1. Parasites of the Arachnida and Coleoptera; 2. Parasites of the Dermaptera and Diptera.
- 17294 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Abejas productivas; apicultura movi- lista. 23 p. Pamplona, Aramburu, 1942. 424 N22
- 17295 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Una peste rural, la mosca doméstica [Musca domestica]. 17 p. Pamplona, Aramburu, 1939. 428 N22
- 17296 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. La producción de la seda, el gusano y su crianza. 20 p. Pamplona, Aramburu, 19-? 425 N22
- 17297 ROTARY CLUB DE MONTEVIDEO. Recopilación de antecedentes sobre el empleo del dinitro-orto-cresol en la lucha contra la langosta. 20 p. Montevideo, 1941. 429 R74
- 17298 \*\*SAMPAYO, R. R. L. Latrodictus mactans y latrodictismo. 227 p. Buenos Aires, 1942. Thesis.
- Abs. in Biol. Abs. 18: Item 3853. Feb. 1944. 442.8 B526
- 17299 \*SCHWEIZER, GEORG. Universal-schnellfärbemethode für kern- und chromosomenuntersuchungen bei pflanze und tier (dioxyhamateinchromlack-verfahren). 44 p. Jena, Fischer, 1942. 442 Sch9
- 17300 STEPANOV, E. M. Serebristyĭ kleshchik (Phylloctes oleivorus Ashm.) i bor'ba s nim [The rust mite and its control]. 57 p. Moskva, Izd. Sek-tora Vneshnego i Vnutrennego Karantina Rastenii i Tsentral'noi Karantinnoi Laboratorii NKZ SSSR, 1939. 434 St42
- With English summary.
- FOOD AND HUMAN NUTRITION
- 17301 AMERICAN DIETETIC ASSOCIATION. Report of war conference ... Pittsburgh, Oct. 19-22, 1943. 17 p., processed. Chicago, Burnett, 1943. 389.9 Am35R
- Cover title: Report on the Pittsburgh food meeting.
- 17302 AMERICAN HOME ECONOMICS ASSOCIATION. Directory of home economics in business. 64 p. n. p., 1943. 225 Am324
- 17303 BANE, S. L., and LUTZ, R. H., eds. Organization of American relief in Europe 1918-1919 including negotiations leading up to the establishment of the Office of Director General of Relief at Paris by the Allied and Associated Powers. 745 p. Stanford Univ., Calif., Stanford Univ. Press, 1943. (Hoover Libr. on War, Revolution, and Peace. Pub. 20) 280.17 B22
- Includes the effect of the Armistice on the food situation and the food relief program.
- 17304 BEROLZHEIMER, RUTH, ed. Military meals at home cook book. 48 p. Chicago, Consolidated Book Pub., 1943. 389.25 B453M
- 17305 CADDICK, FREDERICK. Decontamination of foodstuffs. Rev. ed., 15 p. London, Sanit. Pub. Co., 1943. 389 C112
- 17306 \*FIESSINGER, NOEL. Les déficiences vitaminiques et hormonales. 290 p. Paris, Masson, 1942. 386.2 F46
- 17307 \*FORSCHUNG für volk und nahrungsfreiheit. 2., völlig neubearbeitete ausg., 799 p. Neudamm und Berlin, J. Neumann, 1942. (Forschungsdienst, Sonderheft 16.) 18 F772
- Individual articles are listed separately in this bibliography.
- 17308 \*GIROUD, A., and RATSIMAMANGA, A. R. Acide ascorbique, vitamine C. 212 p. Paris, Hermann, 1942. (Actualités Scientifiques et Industrielles 921) 386.2 G44A
- At head of title: Équilibre d'Alimentation et de Nutrition, exposés publiés sous la direction de Lucie Randoin...III.
- 17309 GROCERY MANUFACTURERS OF AMERICA, INC. Report of war conference ... New York, November 3-5, 1943. 15 p., processed. Chicago, Burnett, 1943. 389.9 G89
- Cover title: Report on the New York food meeting.
- 17310 HARRIS, F. L. Victory vitamin cook book for wartime meals. 185 p. N.Y., Penn, 1943. 389.25 H243V



17311 HEATH, AMBROSE. Good cheese dishes. 78p. London, Faber, 1943. 389.25 H352Go

17312 INTERNATIONAL LABOUR OFFICE. The health of children in occupied Europe. 38 p. Montreal, 1943. 280.17 In82

Food rations, supplies, and nutrition are included.

17313 JACOB, H. E. Six thousand years of bread its holy and unholy history. 399 p. Garden City, N. Y., Doubleday, 1944. 389 J152

17314 \*LUNDE, GULBRAND. Vitamine in frischen und konservierten nahrungsmitteln. Ed. 2, Ed. by Lars Erlandsen, 277 p. Berlin, Springer, 1943. Ref., p. 240-258. 389.1 L972

17315 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. Report of the Committee on Protein Foods, April 14-15, 1943. 25 p., processed. Washington, 1943. 389.1 N2183R

17316 ORR, J. B. Food and the people. 56 p. London, Pilot, 1943. (Target for Tomorrow III) 389 Or7Fo

17317 PIJOAN, M., and ROSKELLEY, R. W. Nutrition and certain related factors of Spanish-Americans in northern Colorado. 19 p. Denver, Rocky Mountain Council on Inter-Amer. Aff., 1943. 389.1 P63

17318 SMEDLEY-MACLEAN, IDA. The metabolism of fat. 104 p. London, Methuen, 1943. 386.2 M223

17319 SOFUZ VITAMINNOI PROMYSHLENNOSTI. Sbornik tekhnologicheskikh instruktsii po proizvodstvu vitaminov [Collection of technological instructions on the production of vitamins]. 143 p. Moskva, Pishchepromizdat, 1943. 389.1 So3

#### FORESTRY

17320 BOULTON, E. H. B., and JAY, B. A. Building timbers, dealing with softwoods and hardwoods, with notes on selection, marketing, seasoning, preservation, and use. 111 p. London, Newnes, 1943. 99.75 B66

17321 CENTRE INTERNATIONAL DE SYLVICULTURE. Bibliographia forestalis, 1941. 276 p. Berlin, 1942. 241.01 B473

17322 ISAAC, L. A. Reproductive habits of Douglas-fir. 107 p. Washington, Charles Lathrop Pack Forestry Found., 1943. Ref., p. 106-107. 99.46 Is1

17323 \*METZ, LUDWIG. Holzschutz gegen feuer. Ed. 2., 180 p. Berlin, VDI, GmbH, 1942. Ref., p. 165-172. 300 M56

17324 NATIONAL HARDWOOD LUMBER ASSOCIATION. Rules for the measurement and inspection of hardwood lumber, cypress, veneers, and thin lumber and national hardwood lumber sales code...effective January 1, 1944. 104 p. Chicago, 1944. 99.75 N211

17325 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Plegarias del arbol. 19 p. Pamplona, Aramburu, 1939. 99.36 N22

On the beneficial effects of forests.

17326 PLASTICS INDUSTRIES TECHNICAL INSTITUTE. Plastics; theory, properties, application, technique. [Sup.] Lessons 35a-35c, processed. N. Y., 1943. 309 P692

Resin bonded plywoods: 35a. Resin adhesives; 35b. Aircraft woods; 35c. Molding and forming techniques.

17327 RODGERS, JOHN. The English woodland. Ed. 2, 132 p. London, Batsford, 1942. 99.25 R61

Describes the various forest areas of England, with special reference to historical and literary associations. 96 illustrations.

17328 \*STIEBER, RUDOLF. Die chemisch-technischen untersuchungs-methoden der zellstoff- und papierindustrie. 690 p. Berlin, Springer, 1943. 302 S11

17329 SOCIETY OF AMERICAN FORESTERS. COMMITTEE ON FORESTRY TERMINOLOGY. Forestry terminology, a glossary of technical terms used in forestry. 84 p. Washington, 1944. 99.01 Sol

R.C.Hawley, chairman of committee.

17330 TIMBER DEVELOPMENT ASSOCIATION, LTD. Timbers of British West Africa. 50 p. London, 1942. 99.27 T48

17331 TIMBER DEVELOPMENT ASSOCIATION, LTD. World timber supplies. 27 p. London, 1944. 99.73 T48

17332 TROTTER, H. Manual of Indian forest utilization. 419 p. Calcutta, Milford, 1940. 99.75 T752

#### PLANT SCIENCE

17333 AINSWORTH, G. C., and BISBY, G. R. A Dictionary of the fungi. 359 p. Kew, Surrey, Imp. Mycol. Inst., 1943. 462 A16

17334 BURKART, ARTURO. Las leguminosas argentinas, silvestris y cultivadas. 590 p. Buenos Aires, Acme, 1943. Ref., p.546-566. 452.3 B913

17335 COLOMBIA. DEPARTAMENTO DEL VALLE DEL CAUCA. SECRETARÍA DE AGRICULTURA Y FOMENTO, AND SECRETARÍA DE HACIENDA. Cultivo del tabaco en el Valle del Cauca. 43 p. Cali, Imprenta Departamental, 1943. 59 C71

17336 DRAKE, M. E. Challenge to gardeners. 157 p. London, Gifford, 1943. 98.5 D78

Landscape gardening for a municipal park.

17337 ERICKSON, A. W. Wheat and buffalo grass. 35 p. Okla. City, Harlow, 1943. 59.26 Er4

17338 FERREIRA FILHO, J. C. Cultura do milho. 43 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. 59.22 F412

17339 FERREIRA FILHO, J. C. Cultura do trigo. 46 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. 59.26 F413

17340 FOSBERG, F. R. Colombian Cinchona manual. 27 p., processed. Bogota, 1943. 452.35 F78

17341 GEORGIA (TRANSCAUCASIA) INSPEKTSIIA po KARANTINU RASTENII. Instruktsii po bor'be s kerantinnymi sorniakami gorchekom rozovym i povilikoi [Instruction on quarantine control of Acroptilon picris S. A. M. and Cuscuta]. 21 p. Tbilisi, Izdatie Gosud. Inspekttsii po Kerantinu Rastenii, 1939. 79 G292

17342 HAMPSHIRE, JOHN. Specialisation in the garden. 80 p. London, Gifford, 1943. 91.15 H183

Cultivation of vegetables.

17343 HASELTON, S. E. Cacti and succulents and how to grow them. 64 p. Pasadena, Calif., 1943. 96.3 H27C

17344 IMPERIAL BUREAU OF PLANT BREEDING AND GENETICS. New and promising varieties of field and horticultural crops, recently described in the literature (5th issue). 21 p. Cambridge, England, Oct. 1 1943. 64.9 Im72N

17345 IMPERIAL MYCOLOGICAL INSTITUTE, KEW. Distribution maps of plant diseases. Nos. 49-50. Kew, Surrey, England, 1944. 464.9 Im7

17346 KHOLODNYI, N. G. Fitogormony; ocherki po fiziologii gormonal'nykh fivlenii v rastitel'nom organizme [Phyto-hormones; essays on the physiology of hormonal phenomena in plant organisms]. 263 p. Kiev, Akad. Nauk USSR, 1939. Ref., p.252-263. 463.36 K52

17347 \*KOMAROV, V. L. Prakticheski kurs anatomii rastenii [Practical course in plant anatomy]. Ed. 8, 311 p. Moskva, Akad. Nauk SSSR, 1941. 463.41 K83



- 17348 LAMB, E. Flowering your cacti. 56 p. Worthing, England, Neale, 1943. 96.31 L16
- 17349 \*LYSENKO, T. D. Agrobiologiya: sbornik rabot po voprosam genetiki, selektsii i semenovodstva [Agro-biology: collection of works on genetics, breeding and seed production]. 351 p. Moskva, "Sel'khozgiz," 1943. 463 L992
- 17350 MARTIN, R. S. How to prune fruit trees. 30 p. Hollywood, Calif., Murray, 1944. 93.5 M36
- 17351 NAUMOV, N. A. Bolezni sel'skokhozyaystvennykh rasteniy (fitopatologiya) [Diseases of agricultural plants (phytopathology)]. 565 p. Moskva, Sel'khozgiz, 1940. Ref., p. 521-546. 464 N222
- 17352 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Cultivo del tabaco. 20 p. Pamplona, Aramburu, 1943. 69 N22
- 17353 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El hongo comestible; misterios de su cultivo. 15 p. Pamplona, Aramburu, 1940. 91.7 N22
- 17354 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Lino, soja y lúpulo, cultivos del porvenir. 28 p. Pamplona, Aramburu, 1938. 77 N22
- 17355 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El maíz cereal americano. 15 p. Pamplona, Aramburu, 19--? 59.22 N22
- 17356 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Los microfactores y bacterias en la alimentación de animales y plantas. 15 p. Pamplona, Aramburu, 1943. 386.2 N22
- 17357 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. La patata, el tubérculo de los Incas. 24 p. Pamplona, Aramburu, 1939. 75 N22
- 17358 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El trigo; secretos para su gran producción. 18 p. Pamplona, Aramburu, 1939. 59.26 N22
- 17359 PENA, L. DE A. Jardins; pequenos jardins-jardins em terraços - plantas em vasos e jardineiras. 118 p. Rio de Janeiro, Ministério da Agricultura, Serviço Florestal, 1943. 97 P37
- 17360 POST, KENNETH. Plants and flowers in the home. 198 p. N. Y., Orange Judd, 1944. 96.06 P84
- 17361 SHIMER, H. W. Origin and significance of plant names. 60 p. Hingham, Mass., So. Shore Nature Club, 1943. 452.14 Sh3
- 17362 \*SUKHOV, K. S. Virusy rasteniy i nasekomye-perenoschiki [Plant viruses and insect carriers]. 67 p. Moskva, Akademiya Nauk, 1942. Ref., p. 63-66. 423 Su4
- 17363 WAGNER, P. R. The flora of Schuylkill County, Pennsylvania. 230 p. Phila., 1943. 455.36 W12
- Thesis (PhD) Univ. of Pa., 1941.
- 17364 WEBBER, H. J., and BATCHELOR, L. D. The citrus industry. v. 1. History, botany and breeding. 1028 p. Berkeley, Univ. of Calif. Press, 1943. Ref., p. 953-1010. 93.33 W38
- Contents: I. History and development of the citrus industry, by H. J. Webber, p. 1-40; II. Plant characteristics and climatology, by H. J. Webber, p. 41-69; III. The commercial citrus regions of the world, by H. J. Webber, p. 71-127; IV. The botany of citrus and its wild relatives of the orange subfamily (family Rutaceae, subfamily Aurantioideae), by W. T. Swingle, p. 129-474; V. Cultivated varieties of citrus, by H. J. Webber, p. 475-668; VI. General morphology, histology, and physiology, by E. T. Bartholomew, and H. S. Reed, p. 669-717; VII. The mineral nutrition of citrus, by H. D. Chapman, and W. P. Kelley, p. 719-766; VIII. Seed production: development of

gametes and embryos, by H. B. Frost, p. 767-815; IX. Genetics and breeding, by H. B. Frost, p. 817-913; X. Bud variation and selection, by A. D. Shamel, p. 915-952.

## SOILS AND FERTILIZERS

- 17365 KURTZ, L. T. Adsorption and release of phosphate ion by soils and clays. 6 p. Urbana, Ill., 1943. 56.42 K96
- Abstract of thesis (Ph. D.) Univ. of Ill., 1943.
- 17366 MALYGIN, V. S. Glubokiĭ zakrytyĭ drenazh [A deep closed drainage system]. 122 p. Tashkent, Sofuznikhi, 1939. 54 M29
- English summary.
- 17367 MELSTED, S. W. Base-exchange equilibria in soils and other exchange materials. 6 p. Urbana, Ill., 1943. 56.42 M49
- Abs. of theses, Ph. D. - Univ. of Ill., 1943.
- 17368 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El abono; resorte vital de la producción agrícola. 21 p. Pamplona, Aramburu, 1939. 57 N22
- 17369 RAMALINGAM, A. V., and NARASHIMA ATYANGAR, R. Report on the Colombo South Drainage Scheme. 28 p. Colombo, Ceylon Govt. Press, 1939. (Ceylon Sess. Paper V.-1939) 54 R14R

## MISCELLANEOUS

- 17370 AMERICAN RUSSIAN INSTITUTE. The Soviet Union today; an outline study; syllabus and bibliography. 111 p. N. Y., 1943. 280.179 Am3
- Agriculture, p. 42-45.
- 17371 \*CONGRESO NACIONAL DE CIENCIAS AGRARIAS. 1st, LISBOA, 1943. Participación española en el I Congreso Nacional de Ciencias Agrarias, Lisboa, noviembre 1943. Sección 15ª. Comunicación sobre: Organización y cometidos del Ministerio de Agricultura español, por Eladio Morales y Fraile. 12 p., typewritten. Lisboa, 1943. 33.23 C76
- Issued by Spain. Ministerio de Agricultura. Sección de Relaciones Agronómicas con el Extranjero.
- 17372 DICKERSON, D. F., and COLLINGS, G. H. Directed studies in general agriculture; an outline course with complete references for use in schools. 120 p. Grand Rapids, Minn., Grand Rapids Herald-Rev., 1944. Ref., p. 1-2. 30.2 D55D
- 17373 FOWLKES, J. G., ed. Educators index of free materials. Annotated, 27th rev., 162 numbered cards. Randolph, Wis., Educators Prog. League, 1943. 241.25 F82
- Accompanied by pamphlet: Free Source Materials for the Wartime Curriculum, by the Educators Progress League, 11 p.
- Includes sections on nutrition, agriculture, soil conservation, and cooperatives and marketing.
- 17374 GRASES, PEDRO. Contribución a la bibliografía venezolana de temas agropecuarios. 177 p. Caracas, Venezuela, Ministerio de Agricultura y Cría, 1943. 241 G76
- 17375 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Agricultural Improvement Council for England and Wales, first report (covering the period to 30th June, 1942). 18 p. London, H. M. Stationery Off., 1943. 10 G799
- Recommendations made by the Council and action taken thereon in applying results of scientific research to agriculture and their incorporation into farming practice.
- 17376 HAZ E., C. R. Mapa agrícola del litoral. 1 p. Guayaquil, Ministerio de Agricultura del Ecuador, 1943. 227 Ec92



17377 HOWARD, J. K. Montana, high, wide, and handsome. 347 p. New Haven, Yale Univ. Press, 1944. 138 H832

Acknowledgments and bibliography, p. 330-339.

A historical account of the development of Montana, including the cattle industry, life on the range, homesteading, the Federal Reserve System and agriculture, soil blowing, and county planning.

17378 LOVE, H. H. Experimental methods in agricultural research. 229 p. Río Piedras, Puerto Rico, Agr. Expt. Sta., 1943. 251 L942E

Some concepts regarding experimental error and the methods of analysis of variance and covariance.

17379 NANKING. UNIVERSITY. COLLEGE OF AGRICULTURE AND FORESTRY. Contributions which the College of Agriculture and Forestry has made toward agricultural improvement in China. 5 p. Chengtu, China, 1939? 107 N15Co

17380 REYNIER, LOUIS. De l'économie publique et rurale des Egyptiens et des Carthaginois, précédé de considérations sur les antiquités éthiopiennes. 520 p. Genève, J. J. Paschoud, 1823. 132 R33

Contains chapters on agriculture.

17381 STAPLEDON, SIR GEORGE. The way of the land. 276 p. London, Faber, 1943. 30.4 St2

A collection of the author's papers and addresses on various phases of agriculture and rural England.

17382 STERN, JACQUES. The French colonies, past and future. 331 p. N. Y., Didier, 1944. Ref., p. 311-313. 131 St4

Brief, scattered references to agricultural subjects, and, in the Statistical Survey, lists of agricultural products for the colonies.

17383 TAYLOR, GRIFFITH. Australia. Ed. 2, rev., 455 p. N. Y., Dutton, 1943. 331 T21

Includes chapters on climate, soils and natural vegetation, settlement, distribution of agriculture, water supply and irrigation, factors determining distribution of the chief crops, and the cattle and sheep industries.

17384 WILCOX, E. V. Modern farmers' cyclopedia of agriculture. 497 p. N. Y., Orange Judd, 1944. Ref., p. 476-478. 30.1 W65M

Contents: Pts. I. Field crops; II. Garden crops; III. Fruits and nuts; IV. Beef cattle and dairying; V. Other live stock; VI. Poultry; VII. Drainage, fertilizers, irrigation, soils, etc.; VIII. Miscellaneous.



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 17385 BLAKESLEE, A. F. Controlled development of plants. (Abs.) Roy. Canad. Inst. Proc. Ser. IIIA (1942/43) 8: 32-33. 517 T63P
- 17386 BRIEGER, F. G. Coeficiente de variação e índice de variança. *Bragantia* 2: 313-331. Sept. 1942. 102.5 B73Tb  
English summary
- 17387 BUTTERFIELD, H. M. Katherine Davies Jones, 1860-1943. *Calif. Hort. Soc. Jour.* 5: 1-5. Jan. 1944. 81 C1293
- 17388 \*CLAUSSEN, P. Eduard Jahn. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (164)-(176). May 25, 1943. 451 D48  
List of his publications, p. (173)-(176).
- 17389 COVELL, C. V. Robert Marion Hatton. *Amer. Rose Ann.* 1944: vi. 81 Am31A  
See also In-Memoriam, p. 118-119.
- 17390 \*EGGEBRECHT, H. Methodik der samenuntersuchung. *Forschungsdienst, Sonderheft* 16, p. 240-245. Berlin, 1942. 18 F772
- 17391 \*ELVERS, IVAR. Cellulose acetate as a mounting medium for acetic smears. *Hereditas* 29: 87-90. 1943. 442.8 H42
- 17392 FOSTER, MULFORD, and FOSTER, RACINE. Plants without roots. Jungle air dwellers. *Frontiers* 8: 82-85. Feb. 1944. 410 F92
- 17393 GIUSEPPI, P. L. Dr. Fred Stoker, V. M. H., F. L. S. *Alpine Gard. Soc. Quart. Jour.* 11: 244-247. Dec. 1943. 84 A16
- 17394 \*GOTHAN, W. Pflanzen und pseudofossilen. *Deut. Bot. Gesell. Ber.* 60: 93-97. Mar. 26, 1942. 451 D48
- 17395 GÜSSOW, H. T. Sir Edwin John Butler, C. M. G., C. I. E., D. Sc., LL. D., F. R. S. 1874-1943. *Phytopathology* 34: 149-150. Feb. 1944. 464.8 P56
- 17396 HENRI ERNEST COLIN [1880-1943]. Paris. *Acad. des Sci. Compt. Rend.* 216: 393-395. 1943. 505 P21
- 17397 \*HUBER, BRUNO, and STRUGGER, SIEGFRIED. Ernst Rouschal. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (186)-(198). May 25, 1943. 451 D48
- 17398 \*HUBER, BRUNO, and HOLDHEIDE, WILHELM. Jahrringchronologische untersuchungen an hölzern der bronzezeitlichen Wasserburg Buchau am Federsee. *Deut. Bot. Gesell. Ber.* 60: 261-283. June 25, 1942. 451 D48
- 17399 \*KIENAST, G. Tagebuchblatt von einer Aegyptreise (Korfu). *Schweiz. Gart., No.* 10, p. 255. Oct. 1943. 80 Sch93
- 17400 KNOX, A. S. A carboniferous flora from the Wamsutta formation of southeastern Massachusetts. *Amer. Jour. Sci.* 242: 130-138. Mar. 1944. 470 Am34
- 17401 KRAUSS, R. W., and KENT, G. N. Analyses and correlation of four New Hampshire bogs. *Ohio Jour. Sci.* 44: 11-17. Jan. 1944. 410 Oh3  
Studies of fossil pollen.
- 17402 LEMÉE, GEORGES. L'évolution forestière post-glaciaire du Limousin méridional d'après l'analyse pollinique. *Paris. Acad. des Sci. Compt. Rend.* 216: 74-75. 1943. 505 P21
- 17403 \*MANSFELD, RUDOLF. Die nomenklatur im "Verzeichnis der farn- und blütenpflanzen des deutschen reiches." *Deut. Bot. Gesell. Ber.* 60: 494-508. Jan. 28, 1943. 451 D48
- 17404 \*MANSFELD, RUDOLF. Nomenklaturregeln und nomenklatur in der botanik und in der zoologie. *Deut. Bot. Gesell. Ber.* 60: 373-383. Nov. 26, 1942. 451 D48
- 17405 MUENCH, JOYCE, and MUENCH, JOSEF. Banners and swords of the desert. The story of yucca. *Frontiers* 8: 98-101, 124. Apr. 1944. 410 F92
- 17406 MYERS, H. M. Pollination situation in western New York. *Gleanings Bee Cult.* 72: 81-82. Mar. 1944. 424.8 G47
- 17407 PERAK, J. T., 1916-1943. *Rev. Argentina de Agron.* 10: 399-401. Dec. 1943. 9 R327
- 17408 PORTER, C. L. Contributions of early botanists to pharmaceutical knowledge. *Amer. Jour. Pharm. Ed.* 8: 54-72. Jan. 1944. 396.8 Am33
- 17409 SALISBURY, E. J. Kew in war and peace. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 559-561. Mar. 1944. 10 G79J
- 17410 \*\*SILVA, A. R. P. DA. Um aspecto da etnobotanica portuguesa: os nomes vernáculos das plantas. *Rev. Agron. [Lisboa]* 30: 376-379. 1942. Abs. in *Herbage Abs.* 13: 366. Dec. 1943. 241 Im733
- 17411 SMITH, J. An old catalogue of trees. *Gard. Chron.* 115: 70. Feb. 12, 1944. 80 G162  
Catalog of sale of goods, dated 1765, containing list of 342 Old and New World trees signed by Daniel Croft.
- 17412 \*STUBBE, HANS. Helmut Döring. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (153)-(163). May 25, 1943. 451 D48  
List of his publications, p. (162)-(163).
- 17413 \*SUESSENGUTH, K. Hermann Ross. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (177)-(185). May 25, 1943. 451 D48  
List of his publications, p. (182)-(185).
- 17414 VIEGAS, A. P. Técnica de cortes a mão livre. *Bragantia* 3: 193-198. Aug. 1943. 102.5 B73Tb
- 17415 WALTHER, ERIC. The Strybing Arboretum, Golden Gate Park. *Calif. Hort. Soc. Jour.* 5: 19-24. Jan. 1944. 81 C1293
- 17416 WATTS, M. T. Through a magnifying glass. [Plant details observed on winter trails.] *Morton Arboretum Bul. Pop. Inform.* 19: 5-8. Feb. 1944. 99.9 MB4
- 17417 \*WERTH, EMIL. Neues und kritisches zur kenntnis alter kulturpflanzen. *Deut. Bot. Gesell. Ber.* 60: 232-258. May 28, 1942. 451 D48
- 17418 WITTLAKE, E. B. Permanent prestaining in botanical microtechnic. *Ohio Jour. Sci.* 44: 36-38. Jan. 1944. 410 Oh3

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 17419 ALEXANDER, E. J., and SVENSON, H. K. The field trip to the New Jersey coast and Pine Barrens Friday and Saturday, June 26-27, 1942. *Torreya* 43: 170-173. Dec. 1943. 450 T63
- 17420 ALVARADO MONTESDEOCA, V. Una excursión botánica al Chimborazo. *Ecuador. Univ. Cent. Inst. Bot. Bol.* 2(3/4): 18-36. Sept. 1943. 451 Ec9
- 17421 BARKER, W. F., and others. Plantae novae Africae. XX. *Jour. So. African Bot.* 9: 145-160. Oct. 1943. 450 J8262  
Father F. J. Gerstner, R. S. Adamson, and R. H. Compton, joint authors.



- 17422 DANIEL, H. Una ascensión al cerro de "La Vieja." Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 120-126. Sept. 1943. 451 Ec9
- 17423 DANIEL, H. Plantas coleccionadas en una excursión al salto de Guadalupe. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 126-128. Sept. 1943. 451 Ec9
- 17424 DAVIS, J. H., JR. The natural features of southern Florida, especially the vegetation, and the Everglades. Fla. Dept. Conserv. Geol. Bul. 25, 311 p. Tallahassee, 1943. 406 F66B
- 17425 \*GEORGESCU, M. M. O calatorie in Delta [Rumania]. Hort. Românească 17(9/10): 8-11. Sept. Oct. 1939. 80 R328
- 17426 HODGE, W. H. A botanist's Dominica diary. I. Sci. Monthly 58: 185-194. Mar. 1944. 470 Sci23
- I. In and about Roseau.
- 17427 KELSO, LEON. Plants of Denver and vicinity (First supplement). Biol. Leaflet 22, 3 p. [Washington, D. C., The author], Feb. 22, 1944. 442.8 B528
- 17428 ROWNTREE, LESTER. Flowers of the battlefields. Flower Grower 31: 135, 170-172. Mar. 1944. 80 M72
- 17429 \*ROZEIRA, ARNALDO. Plantas novas ou pouco citadas para Trás-os-Montes e Alto-Douro. II. Brotéria 12: 145-171. Nov. 1, 1943. 410 B79C
- 17430 RUPP, H. M. R. What constitutes a new botanical species? Victorian Nat. 60: 135-138. Jan. 1944. 410 V66
- 17431 \*SCHENK, HERMANN. Der botanische garten in Bern. Schweiz. Gart., No. 7, p. 178-179. July 1943. 80 Sch93
- 17432 \*TESCHNER, CLARA. Wildkräuter und wild-gemüse die unsere ahnen schätzten. Deut. Gart. 58: 51. May 1943. 80 P883
- 17433 WARD, F. K. Assam River. Gard. Chron. 115: 50-51. Jan. 29, 1944. 80 G162
- Account of the country, the vegetation, and a few of the plants observed on a river trip in Assam.
- 17434 WARD, F. K. Rima. Gard. Chron. 113: 76. Feb. 20, 1943. 80 G162
- Rima, Tibet, on north-east frontier of Burma.
- 17435 WATSON, E. V. The dynamic approach to plant structure and its relation to modern taxonomic botany. Cambridge Phil. Soc. Biol. Rev. 18: 65-77. Apr. 1943. Ref., p. 76-77. 442.9 C14
- 17436 WHITEHEAD, JACK. Plant hunting in Arizona, Sonora and Baja California. Calif. Hort. Soc. Jour. 5: 12-18. Jan. 1944. 81 G1293
- 17437 WOOD, C. E., JR. Notes on the flora of Roanoke County, Virginia. (To be cont.) Rhodora 46: 69-86. Mar. 1944. 450 R34
- Spermatophytes
- 17438 AGARD, HARRIET. The curious conifers. Calif. Hort. Soc. Jour. 5: 25-28. Jan. 1944. 81 G1293
- 17439 BELVAL, H. Sur les fructosanes du genre Allium. Soc. de Chim. Biol. Bul. 25: 64-67. Jan./Mar. 1943. 383 Sol
- Chemical study to determine classification of species.
- 17440 \*BOR, N. L., and RAIZADA, M. B. Some beautiful Indian climbers and shrubs. XV. Bombay Nat. Hist. Soc. Jour. 44: 159-163. Dec. 1943. 513 B63
- 17441 BROWN, J. R. Notes on Haworthias. [Haworthia cymbiformis]. Cactus and Succulent Jour. 16: 15-16. Feb. 1944. 451 C11
- 17442 BUTTERS, F. K. The American variety of Saxifraga aizoon. Rhodora 46: 61-69. Mar. 1944. 450 R34
- 17443 CAMP, W. H. Another new name in Vaccinium [V. lamarkii]. Torrey Bot. Club Bul. 71: 179-180. Mar. 1944. 451 T63B
- 17444 CROIZAT, LEON. A study of the genus Lophophora Coulter III. (c) The typification of Lophophora williamsii Coult. and L. williamsii lewinii Coulter. Desert Plant Life 16: 7-9. Jan. 1944. 450 D45
- 17445 DWYER, J. D. A discussion of the ochraceous genus Fleurydora A. Chev. and the allied genera of the Luxemburgiæ. Torrey Bot. Club Bul. 71: 175-178. Mar. 1944. 451 T63B
- 17446 FERNALD, M. L. A further item on Lilium michiganense. Rhodora 46: 86-87. Mar. 1944. 450 R34
- 17447 FERNALD, M. L. Spergula pentandra in America. Rhodora 46: 88. Mar. 1944. 450 R34
- 17448 \*GARCIA, J. G. Contribuição para o estudo cário-sistemático do género Lavandula L. Soc. Broteriana Bol. (Ser. 2) 16: 183-193. 1942. 451 C66
- 17449 \*GARCIA, J. G. Um género de Gramíneas novo para a flora de Portugal [Ventenata avenacea]. Soc. Broteriana Bol. (Ser. 2) 16: 195-202. 1942. 451 C66
- French summary.
- 17450 \*\*MOLDENKE, H. N. Nomenclatural notes. II. Boissiera 7: 3-6. 1943.
- Abs. in Herbage Abs. 13: 367. Dec. 1943. 241 Im733
- 17451 MUNZ, P. A. Studies in Onagraceae. XIII. The American species of Ludwigia. Torrey Bot. Club Bul. 71: 152-165. Mar. 1944. 451 T63B
- 17452 OCCHIONI, PAULO. Cola acuminata Schott. et Engl. e sua frutificação no Jardim Botânico do Rio de Janeiro. Rev. da Flora Med. 10: 485-490. Oct. 1943. 71.8 R32
- 17453 \*PALEINHA, R. T. Algumas considerações sobre a distribuição geográfica e a ecologia do Arceuthobium oxycedri (D. C.) Marsh.-Bieb. Soc. Broteriana Bol. (Ser. 2) 16: 137-143. 1942. 451 C66
- 17454 PEASE, A. S. Cirsium flodmani in New England. Rhodora 46: 87-88. Mar. 1944. 450 R34
- 17455 \*\*PELLEGRIN, F. Un genre nouveau [Julbernardia], de caesalpiniées du Gabon. Boissiera 7: 296-300. 1943.
- Abs. in Herbage Abs. 13: 368. Dec. 1943. 241 Im733
- 17456 \*POELLNITZ, KARL VON. Neue Antericum-arten aus Afrika. Soc. Broteriana Bol. (Ser. 2) 16: 43-81. 1942. 451 C66
- 39 new species.
- 17457 \*RENNER, OTTO. Europäische wildarten von Oenothera. Deut. Bot. Gesell. Ber. 60: 448-466. Dec. 30, 1942. 451 D48
- 17458 ROUSSEAU, JACQUES. Deux nouveaux Astragalus du Québec. Nat. Canad. 71: 5-14. Jan./Feb. 1944. 410 N216
- 17459 \*\*SANTOS, P. E. C. Subsídios para a análise botânica dos fenos de Gereze. Rev. Agron. [Lisboa] 30: 441. 1942.
- Abs. in Herbage Abs. 13: 324. Dec. 1943. 241 Im733
- 17460 SANTOS BILONI, JOSÉ. Lianas características del bosque ribereño bonaerense. Rev. Geog. Amer. 20: 312-320. Dec. 1943. 475 R322
- 17461 \*SAYEEDUD-DIN, M. Some common Indian herbs with notes on their anatomical characters. XI. Heliotropium zeylanicum Lamk. Bombay Nat. Hist. Soc. Jour. 44: 244-246. Dec. 1943. 513 B63
- 17462 SUMMERHAYES, V. S. African orchids. XIV. Harvard Univ. Bot. Mus. Leaflets 11: 201-216. Mar. 3, 1944. 451 H262



17463 SWINGLE, W. T. The botany of the citrus fruits and their wild relatives as a guide to their use in breeding. Fla. State Hort. Soc. Proc. (1943) 56: 156-164. 81 P66

17464 \*THOMSON, P. W. Die flatterulme [Ulmus laevis, und die bergulme [U. scabra, in der waldgeschichte des Ostbaltikums. Deut. Bot. Gesell. Ber. 60: 203-205. Apr. 23, 1942. 451 D48

17465 VARGAS C., CESAR. Plantas económicas del Peru [Podocarpus]. Agronomia [Peru] 8(34): 33-36. Dec. 1943. 9.8 Ag83

17466 \*WERTH, EMIL. Ueber einige umstrittene oder weniger bekannte bestäubungseinrichtungen tropischer blumen. Deut. Bot. Gesell. Ber. 60: 473-494. Jan. 28, 1943. 451 D48

17467 WYNNE, F. E. Drosera in eastern North America. Torrey Bot. Club Bul. 71: 166-174. Mar. 1944. 451 T63B

#### Pteridophytes

17468 WAKEFIELD, N. A. Two new species of Tmesipteris. Victorian Nat. 60: 142-144. Jan. 1944 410 V66

T. parva, T. ovata.

#### Bryophytes

17469 \*BARROS, G. R. DE. Notas briológicas. II. Agron. Lusitana 4: 155-166. 1942. 105.7 Ag8  
English summary.  
Musci only.

#### Algae

17470 \*HUSTEDT, FRIEDRICH. Aërophile diatomeen in der nordwestdeutschen flora. Deut. Bot. Gesell. Ber. 60: 55-73. Feb. 26, 1942. 451 D48

17471 KOLBE, R. W., and GÜLZ, E. Elektronenmikroskopische diatomeenstudien. I. Deut. Bot. Gesell. Ber. 61: 91-98. July 26, 1943. 451 D48

17472 \*KOLBE, R. W., and KRIEGER, W. Süßwasser-algen aus Mesopotamien und Kurdistan. I. Diatomeen. Deut. Bot. Gesell. Ber. 60: 336-355. Oct. 19, 1942. 451 D48

17473 \*KOLKOWITZ, R. Die farbe der seen und meere II. Deut. Bot. Gesell. Ber. 60: 88-90. Feb. 26, 1942. 451 D48

Growth of plankton.

17474 KRASSKE, GEORG. Zur diatomeenflora Lapp-lands. Deut. Bot. Gesell. Ber. 61: 81-88. July 26, 1943. 451 D48

17475 PATRICK, RUTH. The diatoms of Linsley Pond, Connecticut. Acad. Nat. Soc. Phila. Proc. 95: 53-110. 1943. 500 P53

17476 TAFT, C. E. A new asymmetric Cosmarium [C. zygomorphicum]. Ohio Jour. Sci. 44: 25. Jan. 1944. 410 Oh3

17477 TIFFANY, L. H., and BRITTON, M. E. Fresh-water Chlorophyceae and Xanthophyceae from Puerto Rico. Ohio Jour. Sci. 44: 39-50. Jan. 1944. 410 Oh3

#### Fungi (Including Lichens)

17478 \*BUCHET, ED. Les champignons comestibles de nos forêts. Jour. Forest. Suisse 95: 8-11, 33-38. Jan., Feb. 1944. 99.8 J82

17479 CARVAJAL, FERNANDO, and EDGERTON, C. W. The perfect stage of Colletotrichum falcatum. Phytopathology 34: 206-213. Feb. 1944. 464.8 P56

17480 \*FISCHER, HANS. Untersuchungen über Masseria macrospora (Desm.) Sacc., ihre nebenfruchtform Coryneum macrosporum Berk. und Astero-sporium hoffmanni Kze. Phytopath. Ztschr. 14: 512-517. 1943. 464.8 P562

17481 \*FRIEDRICH, K. Pilzökologische unter-suchungen in den Ötztaler Alpen. Deut. Bot. Gesell. Ber. 60: 218-231. May 28, 1942. 451 D48

17482 \*GASSNER, GUSTAV. Ueber Puccinia ana-tolica n. spec. auf Vinca herbacea W. et K. Phyto-path. Ztschr. 14: 455-474. 1943. 464.8 P562

17483 \*KISFATIO, JOSIP. Einleitende versuche über rassenbildung bei Uromyces fabae (Pers.) de By. Phytopath. Ztschr. 14: 475-483. 1943. 464.8 P562

17484 \*LOPES, J. P. Contribuição para o estudo dos basidiomicetas portuguesas. II. Soc. Broteriana Bol. (Ser. 2) 16: 215-225. 1942. 451 C66

17485 \*REZENDE-PINTO, M. C. DE. Hymeniales de Portugal. Brotéria 12: 180-190. Nov. 1, 1943. 410 B79C

17486 \*REZENDE-PINTO, M. C. DE. VI Contribuição para a flora criptogâmica do norte de Portugal. Brotéria 12: 172-179. Nov. 1, 1943. 410 B79C

17487 SMITH, R. W. Penicillium [notatum], found in compost heap. Organic Gard. 4(3): 22-23. Feb. 1944. 56.8 Or3

17488 \*TAVARES, C. DAS N. Alguns líquenes interessantes da região de Sintra. Soc. Broteriana Bol. (Ser. 2) 16: 203-214. 1942. 451 C66

17489 ULLSTRUP, A. J. Further studies on a species of Helminthosporium parasitizing corn. Phy-topathology 34: 214-222. Feb. 1944. 464.8 P56  
H. carbonum n. sp.

17490 VIÉGAS, A. P., and TELORA, A. R. Alguns fungos do Brasil (Phycomycetos). Bragantia 3: 223-245. Aug. 1943. 102.5 B73Tb

New species: Pseudopididiopsis achylae, Physoderma hydrocotylidis, and Syncephalis ubatubensis.

17491 VIÉGAS, A. P. Alguns fungos do cerrado. Bragantia 3: 49-72. Apr. 1943. 102.5 B73Tb

New species: Nectria erythroxylifoliae, Puccinia erythroxyl, Diplochorella indaiá, Septoidium didy-mopanax.

17492 VIÉGAS, A. P. Notas sobre três fungos brasileiros. [Pleophragmia manihoticola n. sp., Catacauma myrciae, Piedraia hortai.] Bragantia 3: 31-48. Mar. 1943. 102.5 B73Th

Piedraiaceae, n. fam.

17493 VIÉGAS, A. P. Stalagmites tumefaciens (Sydow) Theissen e Sydow, um interessante fungo campineiro. Bragantia 3: 133-135. June 1943. 102.5 B73Tb

17494 VIÉGAS, A. P. Tolediaella nov. gên. da familia Phyllachoraceae. Bragantia 3: 123-129. June 1943. 102.5 B73Tb

#### PLANT PATHOLOGY

##### General

17495 \*APPEL, G. O. Pflanzenschutz in der land-wirtschaft. Forschungsdiens, Sonderheft 16, p. 306-321. Berlin, 1942. Ref., p. 318-321. 18 F772

17496 BACCHI, OSVALDO. Identificação colorimétrica em Citrus. Bragantia 3: 179-187. July 1943. 102.5 B73Tb

Colorimetric tests used to identify stocks in order to test susceptibility to tristeza disease.

17497 BARRUS, M. F. Treat seed grain. [N. Y.] Schenectady Co. Farm Bur. News 31(2): 6. Feb. 1944. 275.293 N. Y., Schenectady Co.

17498 BEAR, F. E. Grease-banding and bark splitting [of apple trees]. Gard. Chron. 113: 77. Feb. 20, 1943. 80 G162

17499 \*BENILLOCH, MIGUEL. Desinfección de se-millas. Métodos recomendables. Surco [Madrid] 2 (20): 4-6. Oct. 1943. 15 Su7

17500 BITANCOURT, A. A. Uma hipótese sobre a causa da "tristeza" dos citrus. Biológico 9: 360-361. Oct. 1943. 442.8 B529



- 17501 BRICHET, J. Comment suppléer au manque actuel de produits insecticides et anticryptogamiques. La "bouillie sulfocalcique" concentrée, à la portée de tous les cultivateurs. Fruits et Primeurs de l'Afrique du Nord 13: 34-35. Feb. 1943. 80 F9482
- 17502 BRICHET, J. Production d'agrumes 1942-1943 réduite par une météorologie défavorable et une culture déficiente ou intempestive. Le die-back, sa genèse, ses manifestations, ses conséquences. Fruits et Primeurs de l'Afrique du Nord 13: 10-11. Jan. 1943. 80 F9482
- 17503 BRICHET, J. Quelques considérations sur la pratique des pulvérisations liquides insecticides ou anticryptogamiques. Fruits et Primeurs de l'Afrique du Nord 13: 27-30. Feb. 1943. 80 F9482
- 17504 BRIEGER, F. G., and FORSTER, REINALDO. Tumores em certos híbridos do gênero nicotiana. Bragantia 2: 259-274. July 1942. 102.5 B73b  
English summary.
- 17505 BRIERLEY, PHILIP, SMITH, F. F., and MCWHORTER, F. P. Diseases of Easter lilies important in domestic production. Florists' Rev. 93 (2411): 21-23, 94. Feb. 10, 1944. 80 W41  
Also in South. Florist and Nurseryman 56(21): 3-4, 12-15. Feb. 18, 1944. 80 S086
- 17506 CARNEVALE, J. A. El cuidado de los frutales. X. Dos remedios eficaces y su preparación. Pampa Argentina 18(197): 10. Jan. 1944. 9 P19  
Sprays.
- 17507 CARROLL, P. T. Some factors influencing lodging in cereals. Éire. Dept. Agr. Jour. 40: 280-285. Sept. 1943. 10 Ir2J
- 17508 CROXALL, H. E. Root and stem diseases of cereals. Worcestershire Agr. Chron. 11(4): 335, 339, 341. Nov. 1943. 10 W892
- 17509 CURTIS, L. C. The influence of guttation fluid on pesticides. Phytopathology 34: 196-205. Feb. 1944. 464.8 P56
- 17510 DIACHUN, STEPHEN, VALLEAU, W. D., and JOHNSON, E. M. Invasion of water-soaked tobacco leaves by bacteria, solutions, and tobacco-mosaic virus. Phytopathology 34: 250-253. Feb. 1944. 464.8 P56
- 17511 DIPPENAAR, B. J. Plant diseases as production problem. Union So. Africa Dept. Agr. and Forestry. Publicity Ser. 190, 2 p. Pretoria, 1943. 24 S082P
- 17512 \*ESMARCH, F. Fortschritte auf dem gebiete des pflanzenschutzes im gemüsebau. Forschungsdienst, Sonderheft 16, p. 464-468. Berlin, 1942. 18 F772
- 17513 FAWCETT, H. S., and COCHRAN, L. C. A method of inducing bark-shelling for treatment of certain tree diseases. Phytopathology 34: 240-244. Feb. 1944. 464.8 P56  
Use of DNOCHP.
- 17514 FERNANDES, C. S. O enegrecimento das fibras do carôá e as suas causas. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10: 94-103. Mar. 1943. 9.2 P423  
Describes the microorganisms attacking the fiber.
- 17515 FORSBERG, J. L. Roguing important for seed growers to prevent spread of potato diseases. Colo. Potato Grower 21(9): 3. Mar. 1944. 75.8 C71
- 17516 FORSBERG, J. L., and BINKLEY, A. M. Tests indicate treatment of pea seed is effective in control of root-rot diseases. Colo. Farm Bul. 6(2): 5-7. Mar./Apr. 1944. 100 C71S
- 17517 GEORGE, E. J. Chinese elm injury in 1942. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 27-32. Jan. 1944. 100 N813B
- 17518 \*GÖPP, K. Sorgfalt beim drusch der braugerste! Landesbauernschaft Bayern. Wohnbl. 133: 520. Sept. 25, 1943. 18 B34W
- 17519 \*HADORN, C. Hitze-laubdürre an birnbäume. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 491-492. Aug. 28, 1943. 80 Sch9
- 17520 HANSELER, C. M. Standardization of plant disease surveys. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 38-41, processed. Jan. 15, 1944. 1.9 P69P
- 17521 \*HAHN. Bekämpfung der braunfleckenkrankheit - zwei praktiker, zwei meinungen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 221. Sept. 17, 1943. 80 G196  
Tomato disease.
- 17522 HAWTHORN, L. R. Simulated hail injury on yellow Bermuda onions. Amer. Soc. Hort. Sci. Proc. 43: 265-271. Nov. 1943. 81 Sol2
- 17523 HENDERSON, W. J. Controlling potato diseases. Spud Notes 1(11/12): 1-5. Nov./Dec. 1943. 75.8 Sp9
- 17524 HEPTING, G. H. Preventing decay in wood aircraft. Aero Digest 44: 126, 128, 142, 213. Feb. 15, 1944. 333.8 Ae82
- 17525 HEUBERGER, J. W., and MANNS, T. F. Does it pay to spray late red potatoes in Delaware? Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 108-110. 81 P37
- 17526 \*HILLER. Sind trocken- und frost-schaden zu beheben! Landesbauernschaft Niederschles. Wohnbl. 10: 311. May 29, 1943. 18 S13
- 17527 \*HULTSCH, M. Spritzen der obstbäume bringt gesunde erntent! Landesbauernschaft Sachsen-Anhalt. Wohnbl. 101: 257. May 1943. 18 Sa9
- 17528 \*HUMMEL, A. Wann meldet man hagelschaden? Landesbauernschaft Württemb. Wohnbl. 110: 859. June 10, 1943. 18 W96
- 17529 JEHLE, R. A. Disease control problems in the late potato crop. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 111-113. 81 P37
- 17530 \*KLAGES, AUGUST. Bekämpfung von getreidekrankheiten durch chemische mittel. Chemie 56: 285-287. 1943. 384 Z33
- 17531 \*KLETT. Nachblütenspritzung im obstbau. Landesbauernschaft Württemb. Wohnbl. 110: 309. May 15, 1943. 18 W96
- 17532 KLOTZ, L. J. Brown rot and gummosis infections causing serious losses of lemons, navel and Valencia oranges. Calif. Citrog. 29: 116. Mar. 1944. 80 C125  
Also in Citrus Leaves 24(2): 6-7. Feb. 1944. 80 C492
- 17533 KOCH, L. W. Control of vegetable diseases in Ontario seedbeds and cold-frames. Canad. Hort. & Home Mag. Growers' Ed. 67: 51-53. Mar. 1944. 80 C16
- 17534 KRAUS, J. E., and WOODBURY, G. W. Prevention of potato seed piece decay in southern Idaho. Amer. Soc. Hort. Sci. Proc. 43: 262-264. Nov. 1943. 81 Sol2
- 17535 LARGE, J. R. Alcoholic flux or white slime flux of tung trees. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 35-36, processed. Jan. 1, 1944. 1.9 P69P
- 17536 MILES, G. F. Tetramethyl thiuramdisulfide has been found to be a new disinfectant and protectant. Seed World 55(4): 12-13. Feb. 18, 1944. 61.8 Se52
- 17537 MILLER, P. W. Nut diseases in Pacific Northwest in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Disease Rptr. 28: 31-32, processed. Jan. 1, 1944. 1.9 P69P
- 17538 \*MÜLLER, K. R. Beachtet mohnschädigungen durch pflanzenfeinde. Landesbauernschaft Sachsen-Anhalt Wohnbl. 101: 209. Apr. 3, 1943. 18 Sa9
- 17539 MUNCIE, J. H. Disease control on potatoes and sugar beets. Mich. Muck Farmers Assoc. Proc. (1943) 25: 17-18. 4 M5813



- 17540 NIKLSEN, L. W. Looking to 1944's potatoes [disease problems]. Res. and Farming Prog. Rpt. [N. C. Sta.] 2(1): 1-4. Jan. 1944. 100 N81R  
Southern bacterial wilt, Southern root rot, bacterial soft rot.
- 17541 PETTY, M. A. Soybean diseases on the Eastern Shore of Maryland. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 58-62. 81 P37
- 17542 PRESTON, D. A. Spinach diseases in Oklahoma. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 14-17, processed. Jan. 1, 1944. 1.9 P69P
- 17543 RANGEL, J. F. Toxicología dos desinfestantes das sementes. Brazil. Esc. Nac. de Agron. Bol. 2: 185-223. 1941 (Issued 1942). 102.5 R473
- 17544 REED, G. M. Phytopathology 1867-1942. Torrey 43: 155-169. Dec. 1943. 450 T63
- 17545 \*RICHTER, H. Untersuchungen über lupinenkrankheiten. Forschungsdienst, Sonderheft 16, p. 327-329. Berlin, 1942. 18 F772
- 17546 ROSEN, H. R. Fungicidal dusting of tomatoes applicable to home gardens in Arkansas, season 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 7-8, processed. Jan. 1, 1944. 1.9 P29P
- 17547 ROSEN, H. R. Results of vegetable seed treatment in Arkansas, season 1943. U. S. Bur. Plant Indus. Soils and Agr. Engin., Plant Dis. Rptr. 28: 9-10, processed. Jan. 1, 1944. 1.9 P69P
- 17548 SCHUSTER, M. L. The influence of certain diseases and threshing injury on stands of flax and peas in Washington. Amer. Soc. Hort. Sci. Proc. 43: 180-182. Nov. 1943. 81 Sol2
- 17549 \*SEN, P. K. Smoke nuisance in fruit orchards. Indian Farming 4: 291-294. June 1943. 22 In283
- 17550 SHARVILLE, E. G. The spray front in '44. Control of diseases and insect pests. Amer. Fruit Grower 64(3): 11, 19, 23, 28. Mar. 1944. 80 G85
- 17551 SILBERSCHMIDT, K. Sobre a provavel causa da "tristeza" das laranjeiras (Considerações em torno do artigo de H. J. Webber). Biológico 9: 371-378. Nov. 1943. 442.8 B529
- 17552 SMITH, E. G. Avoid damaging red-clover seed. New Zeal. Jour. Agr. 68: 123. Feb. 15, 1944. 23 N48J
- 17553 \*STAPEL, CHR. Giv agt paa musene i mark, have og lo [Beware of mice in field, garden, and grain to be threshed.]. Ugeskr. for Landmaend 88: 757-758. Oct. 29, 1943. 11 U63
- 17554 \*STORCK, A. Fortschritte im pflanzen-schutz bei blumen und zierpflanzen. Forschungsdienst, Sonderheft 16, p. 540-543. Berlin, 1942. 18 F772
- 17555 SUDDS, R. H., and MARSH, R. S. Some further observations concerning injury to apple tree foliage induced by applications of calcium cyanamid. Amer. Soc. Hort. Sci. Proc. 43: 25-28. Nov. 1943. 81 Sol2
- 17556 SUIT, R. F. Investigations of small fruit [currant, raspberry and] grape diseases. Grape Belt and Chautauqua Farmer 50(18): 9. Mar. 3, 1944. 110 G76
- 17557 THOMPSON, A. R. Protection of trees in grade changes. Amer. Nurseryman 79(6): 9-11, 35-37, 42. Mar. 15, 1944. 80 Am371
- 17558 TISDALE, W. B. Control disease in home [vegetable] garden. Fla. Grower 52(3): 16, 19. Mar. 1944. 80 F6622
- 17559 VAUGHAN, E. K. The use of ethyl mercury phosphate for treating tomato seed in New Jersey. Phytopathology 34: 175-184. Feb. 1944. 464.8 P56
- 17560 WILCOX, R. B. Fermate spray for controlled cranberry field rots. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 34-35, processed. Jan. 1, 1944. 1.9 P69P
- 17561 WILSON, J. D. The fixed coppers on vegetables in 1941 with special reference to the influence of supplemental materials. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 61-75. 75.9 Oh3
- 17562 WITHROW, A. P., and BIEBEL, J. P. Nicotine fumigation injury in Biloxi soybean. Phytopathology 34: 256-257. Feb. 1944. 464.8 P56
- 17563 WORLOCK, R. F. Blanqueo de los troncos de los frutales. Chacra 14(159): 46-47. Jan. 1944. 9 C34  
Whitewashing fruit trees to prevent sunburn.
- 17564 YOUNG, V. H. Rotate crops to control peanut leaf spot. Farm and Ranch 63(3): 26. Mar. 1944 6 F31
- 17565 ZAUMEYER, W. J. Bean diseases in Colorado in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 1-7, processed. Jan. 1, 1944. 1.9 P69P
- 17566 \*ZOBRIST, L. Sonnenbrand an aepfeln. Schweiz. Gart. No. 11, p. 291-293. Nov. 1943. 80 Sch93
- Diseases Caused by Fungi
- 17567 ALLISON, C. C. Control smut for better oats yield. Ohio Farmer 193(5): 8. Mar. 4, 1944. 6 Oh3
- 17568 \*RADKE-WOLBECK, R. Erfolgreiche bekämpfung der stengelfäule bei tomaten. Blumen u. Pflanz-enbau ver. mit Gartenwelt 47: 209-210. Sept. 3, 1943. 80 G196
- 17569 CREAGER, D. B. Treatment of gladiolus bulbs before they are planted. Florists' Rev. 93 (2414): 23-24, 102. Mar. 2, 1944. 80 W41  
For Fusarium brown rot.
- 17570 CROSS, W. E. Declaración referente al car-bon de la caña de azúcar. Chacra 14(159): 54-55. Jan. 1944. 9 C34
- 17571 DRAYTON, F. L. Botrytis or core rot of gladiolus corms - a storage disease. Canad. Hort. & Home Mag. Floral Ed. 67: 27-28. Feb. 1944. 80 C16F
- 17572 DRUMMOND GONÇALVES, R. Ferrugem da hor-tela pimenta. Biológico 9: 383-386. Nov. 1943. 442.8 B529  
Control of Puccinia menthae on peppermint.
- 17573 ESCOBAR, ROMULO (HIJO). El chapete. Agr. Mex. 59(12): 6-7. Dec. 1943. 8 Ag8  
Seed treatment for stinking smut of wheat.
- 17574 FERNANDES, C. S. As manchas negras da ja-rina. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 65-68. June 1943. 9.2 P423
- 17575 FISCHER, G. J., and NOLL, WILHELM. March-itamiento de Avena provocado por Corticium rolfsii. Rev. Argentina de Agron. 9: 244-248. Sept. 1942. 9 R327
- 17576 FREZZI, M. J. Podredumbre morena de los frutos cítricos y parásitos que la producen en Corrientes, Argentina. Rev. Argentina de Agron. 9: 216-220. Sept. 1942. 9 R327  
Phytophthora boehmeriae, P. citrophthora, P. megasperma, and P. parasitica were isolated from brown rot of Citrus and are listed as causal organisms.
- 17577 GADD, C. H. Report of the mycologist for 1942. Ceylon Tea Res. Inst. Bul. 24, p. 22-31. 1943. 68.19 G33



17578 GALANO, R. M. El tizon del tallo del rosal. Campo y Aradas 7(82): 5. Dec. 1943.

9.9 C152

Caused by *Coniothyrium fuckelii*.

17579 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Club root [*Plasmodiophora brassicae* on crucifers]. Gt. Brit. Min. Agr. and Fisheries Advisory Leaflet 276, 6 p. London, 1944. 10 G791a

17580 \*HADORN, CHARLES. Eine rotbrenner-epidemie in den reben der Bündner herrschaft. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 616-626. Dec. 4, 1943. 80 Sch9

*Pseudopeziza tracheiphila*.

17581 HANSEN, H. N., and RAWLINS, T. E. Cercospora fruit and leaf spot of olive. Phytopathology 34: 257-258. Feb. 1944. 464.8 P56

17582 \*HEINRICH, PETER. Monilia-blütenwelke und -zweigdürre der sauerkirschen. Ztschr. f. Obst- u. Gartenbau 69: 59-60. July 1, 1943. 80 Z3

17583 JONES Y GROUT, E., and JONES Y GROUT, M. Gangrena negra del tomate (*Alternaria solani*). Agr. Costarricense 1: 285-286. Nov./Dec. 1943. 8 Ag895

17584 \*KAREL, G. Ueber den rost von Vinca herbacea. Phytopath. Ztschr. 14: 450-454. 1943. 464.8 P562

A form of *Puccinia vincae*.

17585 KEITT, G. W., and MOORE, J. D. Apple scab control. Experiments with ground and tree spraying in 1943. Wis. Hort. 35: 139-140. Mar. 1944. 80 W752

17586 \*KIŠPATIO, JOSIP. Ueber ungleiche beizempfindlichkeit der sporen verschiedener brandpilze. Phytopath. Ztschr. 14: 522-523. 1943. 464.8 P562

17587 \*LEIBUNDGUT, H., and FRICK, LOUISE. Eine buchenkrankheit im schweizerischen mittelland. Schweiz. Ztschr. f. Forstw. 94: 297-306. Oct. 1943. 99.8 Sch9

Caused by *Nectria coccinea* and weather conditions.

17588 LYLE, E. W. Understocks and black spot. Four rose understocks and their effect on the occurrence of black-spot and growth of bushes. Amer. Rose Ann. 1944: 160-162. 81 Am31a

17589 MCCLELLAN, W. D. A seedling blight of castor bean. Phytopathology 34: 223-229. Feb. 1944. 464.8 P56

Caused by *Alternaria compacta*.

17590 MCCUBBIN, W. A. Relation of spore dimensions to their rate of fall. Phytopathology 34: 230-234. Feb. 1944. 464.8 P56

17591 MARCHIONATTO, J. B. Las enfermedades del clavel y su fiscalización. Campo [Argentina] 28 (326): 38, 69. Dec. 1943. 9 C15

17592 MÉNDEZ C., ROMULO. Moho de la hoja del tomate (*Cladosporium fulvum*, Cooke) Agr. Costarricense 1: 283, 285. Nov./Dec. 1943. 8 Ag895

17593 \*PAUCK. Blattfleckenkrankheit der stachelbeeren. Deut. Gart. 58: 47. Apr. 1943. 80 P883

*Pseudopeziza ribis*.

17594 PORTER, R. P., and PARRIS, G. K. Sweet potato sprout treatments for the control of Fusarium wilt, ineffective on the Eastern Shore of Virginia. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 85-88. 81 P37

17595 PRATT, ROBINSON. Influence of light on the infection of wheat by the powdery mildew, *Erysiphe graminis tritici*. Torrey Bot. Club Bul. 71: 134-143. Mar. 1944. 451 T63B

17596 ROSEN, H. R. Search for black-spot resistance in roses. Amer. Rose Ann. 1944: 155-159. 81 Am31a

17597 RUEHLE, G. D. A new disease of Persian (Tahiti) lime transmitted through budwood. Fla. State Hort. Soc. Proc. (1943) 56: 126-128. 81 P66

A bark disease caused by *Diaporthe citri* and *Diplodia natalensis*.

17598 \*SCHMIDT, M. Untersuchungen über die biologie von *Venturia inaequalis* im zusammenhang mit der züchtung schorf widerstandsfähiger apfelsorten. Forschungsdienst, Sonderheft 16, p. 498-506. Berlin, 1942. Ref., p. 505-506. 18 F772

17599 SERGEANT, M. W. Sugar beets; a four year survey of sugar beet fields attacked by blackroot. (To be cont.) New Agr. 26(6): 8-9. Mar. 1944. 66.8 Su32

17600 SHERBAKOFF, C. D., MILLER, P. R., and SIMPSON, D. M. Use of liquid culture of *Fusarium* for field inoculation of cotton. Phytopathology 34: 254-255. Feb. 1944. 464.8 P56

17601 \*STAPEL, CHR. Bekämpfung des kartoffelskimmel i 1943. Ugeskr. for Landmaend 88: 471. June 25, 1943. 11 Ug3

Control of potato mold by sprays other than Bordeaux mixture.

17602 \*STRAIB, W. Rostpilzforschung. Forschungsdienst, Sonderheft 16, p. 322-326. Berlin, 1942. Ref., p. 325-326. 18 F772

17603 TAYLOR, C. F. A crown rot of young apple trees apparently new to this section. Mountaineer Grower 15(151): 11, 13. Feb. 1944. 80 M86

Probably caused by *Phytophthora cactorum*.

17604 TAYLOR, G. G. Ripe-spot [*Neofabraea mali-corticis*] of Sturmer apples. Progress report of work at research orchard, Appleby, Nelson. Orchardist of New Zealand. 17(2): 3-5. Feb. 1, 1944. 80 Or19

17605 \*TERRIER, C. A. Ueber zwei in der Schweiz bisher wenig bekannte schütte pilze der kiefern: *Hypodermella sulcigena* (Rostr.) v. Tub. und *Hypodermella conjuncta* Danker. Phytopath. Ztschr. 14: 442-449. 1943. 464.8 P562

17606 \*TRIER, EUGEN. Schädlinge am mais. Schweiz. Gart., No. 10, p. 267-268. Oct. 1943. 80 Sch93

Mainly smut diseases.

17607 TUKEY, H. B., and BRASE, K. D. An attack of fire-blight upon trees of *Pyrus betulaefolia*. Amer. Soc. Hort. Sci. Proc. 43: 129-130. Nov. 1943. 81 Sol2

17608 VILGAS, A. P. Alguns fungos da mandioca I. *Bragantia* 3: 1-17. Jan. 1943. 102.5 B73Tb

New species: *Phyllosticta manihobae* and *Eridiopsis manihoticola*.

17609 VOORHEES, R. K. A comparison of some copper fungicides in controlling citrus melanose. Fla. State Hort. Soc. Proc. (1943) 56: 49-55. 81 F66

17610 WEIMER, J. L. Botrytis leaf spot of vetch. Phytopathology 34: 245-249. Feb. 1944. 464.8 P56

17611 WILLISTON, R. S. Brown rot and other fungal wastage in harvested peaches. Sci. Agr. 24: 221-233. Jan. 1944. 7 Sci2

17612 WILSON, J. D. Further observations on the control of tomato anthracnose. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 56-63. Jan./Feb. 1944. 100 Oh3S

Caused by *Colletotrichum phomoides*.

17613 WILSON, J. D. Ten years of carrot spraying with various copper-containing materials. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 63-73. Jan./Feb. 1944. 100 Oh3S

Spraying for control of leaf blights caused by *Cercospora apii carotae* and *Macrosporium carotae*.

17614 WINSTON, J. R., and MECKSTROTH, G. A. Decay control in Florida lemons. Fla. State Hort. Soc. Proc. (1943) 56: 31-37. 81 F66

Stem-end rot caused by *Phomopsis citri* and *Diplodia natalensis*.

17615 WORMALD, HUGH. Nut drop: a disease of cultivated hazel nuts. Gard. Chron. 115: 60-61. Feb. 5, 1944. 80 G162

Caused by *Monilia fructigena*.



17616 YARWOOD, C. E. Apricot diseases in the Santa Clara Valley in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 32-33, processed. Jan. 1, 1944. 1.9 P69P

#### Diseases Caused by Bacteria

17617 ALLEN, L. A. Spore-forming bacteria [*Bacterium subtilis*] causing soft rot of potato and retting of flax. Nature [London], 153: 224-225. Feb. 19, 1944. 472 N21

17618 HILDEBRAND, E. N. New strain of *Agrobacterium rubi* from Boysenberry. Phytopathology 34: 259-260. Feb. 1944. 464.8 P56

Study of the migration of the cane-gall organism.

17619 JEFFERS, W. F., and WALKER, E. A. Bacterial spot [*Xanthomonas pruni*] of peaches as occurring in Maryland. Peninsula Hort. Soc. [Del.], Trans. (1943) 57: 41-43. 81 P37

17620 \*PAPE, H. Fäulnis bei Calla - ur-sache und bekämpfung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 235-236. Oct. 1, 1943. 80 G196  
Caused by *Bacillus aroidae* and *B. carotovorus*.

17621 SCOTT, C. E. Walnut blight today. Difficulties of control explained. Diamond Walnut News 26(2): 4-5. Mar. 1944. 94.68 D34

17622 SHERF, A. F. Infection experiments with potato ring rot and the effect of soil temperature on the disease. Amer. Potato Jour. 21: 27-29. Feb. 1944. 75.8 P842

17623 VALLEAU, W. D., JOHNSON, E. M., and DIACHUN, STEPHEN. Root infection of crop plants and weeds by tobacco leaf-spot bacteria. Phytopathology 34: 163-174. Feb. 1944. 464.8 P56

17624 WAKSMAN, S. A., BUGIE, ELIZABETH, and REILLY, H. C. Bacteriostatic and bactericidal properties of antibiotic substances, with special reference to plant-pathogenic bacteria. Torrey Bot. Club Bul. 71: 107-121. Mar. 1944. 451 T63B

17625 WEINDLING, RICHARD. A technique for testing resistance of cotton seedlings to the angular leaf spot bacterium. Phytopathology 34: 235-239. Feb. 1944. 464.8 P56

*Phytomonas malvacearum*.

#### Viruses and Virus Diseases

17626 BENATAR, RUBENS. Algumas observações sobre a "hernia" das crucíferas. Brazil. Esc. Nac. de Agron. Bol. 2: 281-301. 1941 (Issued 1942). 102.5 R473

English summary.

*Plasmodiophora brassicae* on *Brassica acephala*.

17627 BRIEGER, F. G., LIMA, A. R., and FORSTER, REINALDO. Comportamento de variedades e progênies de fumo no resistência ao "vira-cabeça." Bragantia 2: 275-294. Aug. 1942. 102.5 B73Tb

English summary.

17628 BRIEGER, F. G., and others. Ensaio de épocas de transplante para fumo. Bragantia 2: 295-310. Aug. 1943. 102.5 B73Tb

A. Rodrigues Lima, Reinaldo Forster, A. S. Costa, S. Ribeiro dos Santos, joint authors.

English summary.

Study of transplanting tobacco in connection with research on spotted wilt disease.

17629 BUTENANDT, A., and others. Beitrag zur feinstruktur des tobakmosaikvirus. Hoppe-Seylers Ztschr. f. Physiol. Chem. 274: 276-284. 1942. 384 Z38

H. Friedrich-Fraksa, St. Hartwig, and G. Scheibe, joint authors.

17630 COSTA, A. S. Multiplication of viruses in the dodder, *Cuscuta campestris*. Phytopathology 34: 151-162. Feb. 1944. 464.8 P56

17631 ENZIE, W. D. A source of muskmelon mosaic resistance found in the oriental pickling melon, *Cucumis melo* var. *conomon*. Amer. Soc. Hort. Sci. Proc. 43: 195-198. Nov. 1943. 81 Sol2

17632 FORSTER, REINALDO. Restabelecimento ("recovery") em plantas de fumo atacadas pelo vírus de "vira-cabeça." Bragantia 2: 499-514. Dec. 1942. 102.5 B73b

English summary.

17633 \*GEYER. Kampf dem kartoffelabbau. Land- esbauernschaft Württemb. Wchnbl. 110: 368. June 19, 1943. 18 W96

17634 HILDEBRAND, E. M. Virus diseases and the stone fruit industry. Amer. Soc. Hort. Sci. Proc. 43: 124-128. Nov. 1943. 81 Sol2

17635 \*KLAPP, E. Arbeiten zur praktischen bekämpfung des kartoffelabbaus. Forschungsdienst, Sonderheft 16, p. 370-377. Berlin, 1942. 18 F772

17636 \*KÖHLER, ERICH. Ueber den nachweis von virus im narbensekret viruskranker pflanzen. Deut. Bot. Gesell. Ber. 60: 384-387. Nov. 26, 1942. 451 D48

Infection probably occurs through the transfer of the secretions by insects, such as flies.

17637 KUNKEL, L. O. Viruses in relation to the growth of plants. Torreya 43: 87-95. Dec. 1943. 450 T63

17638 MASSEY, L. M. Virus diseases of roses. Amer. Rose Ann. 1944: 151-154. 81 Am31A

17639 MELCHERS, GEORG. Die darstellung des nucleoproteids des kartoffel-Y-virus. Deut. Bot. Gesell. Ber. 61: 89-90. July 26, 1943. 451 D48

17640 \*RAMSHORN, K. Über die wirkung von  $\beta$ -in-dolylessigsäure auf den sogenannten kartoffelabbau. Forschungsdienst, Sonderheft 16, p. 378-384. Berlin, 1942. 18 F772

17641 SCHRAMM, GERHARD, and MÜLLER, HANS. Ueber die bedeutung der aminogruppen für die vermehrungs-fähigkeit des tobakmosaikvirus. Hoppe-Seylers Ztschr. f. Physiol. Chem. 274: 267-275. 1942. 384 Z38

17642 \*SESSOUS, G., and PIELEN, L. Versuche zur einschränkung des durch viruskrankheiten hervorge-rufenen abbaues der kartoffel durch anbautechnische massnahmen. Jour. f. Landw. 89: 32-48. 1942. 18 J825

17643 \*SODING, HANS, KÖHLER, ERICH, and FUNKE, HILDEGARD. Ueber den wuchsstoffgehalt abbaukranker kartoffelknollen. Phytopath. Ztschr. 14: 427-441. 1943. 464.8 P562

17644 \*STELZNER, GERHARD, and SCHWALE, H. Reaktion einer reihe von solanaceen auf infektion mit A-, Y- and X-virus der kartoffel unter brauchbarkeit als testpflanze. Phytopath. Ztschr. 14: 497-511. 1943. 464.8 P562

#### Diseases Caused by Nematodes

17645 BRICHET, J. Anguillules, nematodes, hétéroderes. Parasites dangereux dont l'extension menace les cultures fruitières et maraichères. Fruits et Primeurs de l'Afrique du Nord 13: 68-72. Apr. 1943. 80 F9482

17646 CHITWOOD, B. G., CLEMENT, R. L., and GORDON, F. M. Progress report on the status of the golden nematode of potatoes in Nassau County, N. Y. [N. Y.] Nassau Co. Farm and Home Bur. News 30(2): 1, 3. Feb. 1944. 275.293 N. Y. Nassau Co.

*Heterodera rostochiensis*.

17647 DESCHIENS, ROBERT, LAMY, LOUIS, and VAUTRIN, EMILE. Essais pratiques de prophylaxie de l'anguillolose des végétaux par l'emploi d'hyphomycètes prédateurs. Paris. Acad. des Sci. Compt. Rend. 216: 539-541. 1943. 505 P21



17648 \*KLEBAHN, HENRICH. Eine wahrscheinlich durch nematoden verursachte bildungsabweichung der *Primula florindae*. Deut. Bot. Gesell. Ber. 60: 74-88. Feb. 26, 1942. 451 D48

17649 LONG, J. C., and WHITEHOUSE, W. E. Variations in root knot nematode infection of various lines of peach progenies at Chico, California. Amer. Soc. Hort. Sci. Proc. 43: 119-123. Nov. 1943. 81 Sol2

17650 SCOTT, L. E. Comparison of young peach trees on Shalil and Carolina "natural" rootstocks in nematode infested soil. Amer. Soc. Hort. Sci. Proc. 43: 115-118. Nov. 1943. 81 Sol2

17651 TAYLOR, A. L. Nematode survey in Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 17-21, 44-47, processed. Jan. 1, 15, 1944. 1.9 P69P

#### PLANT ECOLOGY

17652 CAIN, S. A. Criteria for the indication of center of origin in plant geographical studies. Torreya 43: 132-154. Dec. 1943. Ref., p. 151-154. 450 T63

17653 DAVID, H. M. Studies in the autecology of *Ascophyllum nodosum* Le Jol. Jour. Ecol. 31: 178-198. Nov. 1943 (Issued Dec. 31, 1943). 450 J829

17654 \*DENGELER, ALFRED. Zu den natürlichen verbreitungsgrenzen von Kiefer, Fichte und Tanne im nördlichen Sachsen. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 189-205. Sept. 1943. 99.8 F775

17655 GODWIN, H. Coastal peat beds of the British Isles and North Sea. Jour. Ecol. 31: 199-247. Nov. 1943 (Issued Dec. 31, 1943). 450 J829

17656 GREGOR, J. W. The ecotype. Cambridge Phil. Soc. Biol. Rev. 19: 20-30. Jan. 1944. 442.9 C14

17657 \*MARKGRAF, FRIEDRICH. Die südgrenze mitteleuropäischer vegetation auf der Balkanhalbinsel. Deut. Bot. Gesell. Ber. 60 (Generalversamml.-heft 1): (118)-(127). Mar. 20, 1943. 451 D48

#### PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

17658 CARVALLO Y A., ALBERTO. Aberraciones de yema. Agr. Mex. 59(12): 1-2. Dec. 1943. 8 Ag8

17659 CHEADLE, V. I. Specialization of vessels within the xylem of each organ of the monocotyledonae. Amer. Jour. Bot. 31: 81-92. Feb. 1944. 450 Am36

17660 \*CUNHA, A. G. DA. Ainda sobre a origem dos plastos. Soc. Broteriana Bol. (Ser. 2) 16: 161-164. 1942. 451 C66

17661 \*CUNHA, A. G. DA. Sobre o anterozoide dos carófitos. Soc. Broteriana Bol. (Ser. 2) 16: 165-168. 1942. 451 C66

Characeae.

17662 DODD, J. D. Three-dimensional cell shape in the carpel vesicles of *Citrus grandis*. Amer. Jour. Bot. 31: 120-127. Feb. 1944. 450 Am36

17663 ERLANDSSON, STELLAN. Cytological studies in *Potentilla anserina* and closely allied Scandinavian species. Hereditas 28: 503-504. 1942. 442.8 H42

17664 \*FERNANDES, ABÍLIO. Morfologia e biologia das plantas carnívoras. Soc. Broteriana. An. 8: 6-7. 1942. Ref., p. 46-47. 451 C66A

17665 POURCROY, MADELEINE. Sur l'origine de gros vaisseaux de la tige jeune de *Bryonia dioica*. Paris. Acad. des Sci. Compt. Rend. 216: 125-127. 1943. 505 P21

17666 GILES, N. H., JR. A pericentric inversion in *Gasteria* resulting in apparent iso-chromosomes at meiosis. Natl. Acad. Sci. Proc. 30: 1-5. Jan. 15, 1944. 500 N21P

17667 \*GRIEBEL, C. Auffallende haarformen in ersatzgewürzgemengen. Ztschr. f. Untersuch. der Lebensmtl. 85: 436-440. May 1943. 384 Z39

Lavender, rosemary, and tarragon.

17668 \*GUSTAFSSON, ÅKE. The plastid development in various types of chlorophyll mutations. Hereditas 28: 483-492. 1942. Ref., p. 492. 442.8 H42

17669 \*HÅKANSSON, A. H. Die entwicklung des embryosacks und die befruchtung bei *Poa alpina*. Hereditas 28: 25-61. 1943. Ref., p. 60-61. 442.8 H42

English summary.

17670 \*HÅKANSSON, ARTUR. An interspecific translocation causing changed segregation ratios in meiosis. Hereditas 29: 140-144. 1943. 442.8 H42

17671 \*HÅKANSSON, ARTUR. Meiosis in a hybrid *Godetia deflexa* x *bottae*, with one set of large and one set of small chromosomes. Hereditas 29: 461-474. 1943. 442.8 H42

17672 \*HÅKANSSON, ARTUR. Meiosis in a nullisomic and in an asyndetic *Godetia whitneyi*. Hereditas 29: 179-190. 1943. 442.8 H42

17673 \*HÅKANSSON, ARTUR, and LEVAN, ALBERT. Nucleolar conditions in *Pisum*. Hereditas 28: 436-440. 1942. 442.8 H42

17674 \*HEILBORN, OTTO. Inversions in *Paris quadrifolia*. Hereditas 29: 498-499. 1943. 442.8 H42

17675 \*HEITZ, EMIL. Lebendbeobachtung der zellteilung bei *Anthoceros* und *Hymenophyllum*. Deut. Bot. Gesell. Ber. 60: 28-37. Feb. 26, 1942. 451 D48

17676 JENSEN, H. W. Um estudo citológico comparativo de *Thalictrum* e *Ilex*. Bragania 3: 198-222. Aug. 1943. 102.5 B73Tb

English summary.

17677 \*JOHNSSON, HELGE. Cytological studies of triploid progenies of *Populus tremula*. Hereditas 28: 306-312. 1942. 442.8 H42

17678 \*KÖHLER, ERICH, and BODE, OTTO. Untersuchungen über die variabilität der stärkekorntform in der gattung *Solanum*, sectio *Tuberarium*. I. Züchter 15: 135-143. July/Sept. 1943. 442.8 Z8

17679 \*KUGLER, HANS. "Raphidenpollen" bei bromeliaceen. Deut. Bot. Gesell. Ber. 60: 388-393. Nov. 26, 1942. 451 D48

17680 \*LAMM, ROBERT. Notes on an octaploid *Solanum punae* plant. Hereditas 29: 193-195. 1943. 442.8 H42

17681 \*LANZ, IRMGARD. Ueber protoplasma und vakuolen der *Cladophorazelle*. Deut. Bot. Besell. Ber. 60: 37-54. Feb. 26, 1942. 451 D48

17682 LEMESLE, ROBERT. Les trachéides à ponc-tuations aréolées chez le *Sargentodoxa cuneata* Rehd. et Will., et leur importance dans la phylogénie des sargentodoxacées. Paris. Acad. des Sci. Compt. Rend. 216: 495-497. 1943. 505 P21

17683 \*LEVAN, ALBERT, and LÖVE, ÅSKELL. Different chromosome numbers within the collective species *Carex polygama*. Hereditas 28: 495-496. 1942. 442.8 H42

17684 \*LEVAN, ALBERT. The effect of chromosomal variation in sugar beets. Hereditas 28: 345-399. 1942. Ref., p. 397-399. 442.8 H42

17685 \*LEVAN, ALBERT, and OSTERGREN, GUNNAR. The mechanism of c-mitotic action. Observations on the naphthalene series. Hereditas 29: 381-443. 1943. Ref., p. 432-443. 442.8 H42

17686 \*LEVAN, ALBERT. The pigment content of polyploid plants. Hereditas 29: 255-268. 1943. 442.8 H42



- 17687 \*LEVAN, ALBERT, and LEVRING, TORE. Some experiments on c-mitotic reactions within Chlorophyceae and Phaeophyceae. *Hereditas* 28: 400-408. 1942. 442.8 H42
- 17688 \*LÖVE, ASKELL, and LÖVE, DORIS. The significance of differences in the distribution of diploids and polyploids. *Hereditas* 29: 145-163. 1943. Ref., p. 161-162. 442.8 H42
- 17689 \*MCCANN, CHARLES. 'Light-windows' in certain flowers (Asclepiadaceae and Araceae). *Bombay Nat. Hist. Soc. Jour.* 44: 182-184. Dec. 1943. 513 B63
- 17690 \*MARQUANDT, HANS. Die verteilung röntgeninduzierter veränderung auf den chromosomen von *Bellevalia romana*. *Deut. Bot. Gesell. Ber.* 60: 98-124. Mar. 26, 1942. 451 D48
- 17691 \*MUNTZING, ARNE. Aneuploidy and seed shrivelling in tetraploid rye. *Hereditas* 29: 64-75. 1943. 442.8 H42
- 17692 \*MUNTZING, ARNE. Characteristics of two haploid twins in *Dactylis glomerata*. *Hereditas* 29: 134-140. 1943. 442.8 H42
- 17693 \*MUNTZING, ARNE. Fertility improvement by recombination in autotetraploid *Galeopsis pubescens*. *Hereditas* 29: 201-204. 1943. 442.8 H42
- 17694 \*MUNTZING, ARNE, and MUNTZING, G. Spontaneous changes in chromosome number in apomictic *Potentilla collina*. *Hereditas* 29: 451-460. 1943. 442.8 H42
- 17695 MYERS, W. M. The randomness of chromosome distribution at anaphase I in autotriploid *Lolium perenne* L. *Torrey Bot. Club Bul.* 71: 144-151. Mar. 1944. 451 T63B
- 17696 \*NEVES, J. B. Sobre a cariológia de *Ranunculus ficaria* L. *Soc. Broteriana Bol. (Ser. 2)* 16: 169-181. 1942. 451 C66
- 17697 \*NILSSON, FREDERIK. Polyploidy in the genus *Medicago*. *Hereditas* 29: 197-198. 1943. 442.8 H42
- 17698 \*NOACK, K. Über ionenwirkung und chemische zusammensetzung der zellbestandteile. *Forschungsdienst, Sonderheft* 16, p. 290-297. Berlin, 1942. 18 F772
- 17699 \*OSTERGREEN, GUNNAR., and LEVAN, ALBERT. The connection between c-mitotic activity and water solubility in some monocyclic compounds. *Hereditas* 29: 496-498. 1943. 442.8 H42
- Preliminary experiments in the mechanism of chemical disturbances of cell division.
- 17700 \*OSTERGREEN, GUNNAR. Elastic chromosome repulsions. *Hereditas* 29: 444-450. 1943. 442.8 H42
- 17701 \*PALHINHA, R. T. Continuidade e independencia dos vasos lenhosos em plantas de *Hortensia*. *Soc. Broteriana Bol. (Ser. 2)* 16: 145-152. 1942. 451 C66
- Hydrangea hortensia*.
- 17702 \*PEREIRA, A. DE L. Contribuição ao conhecimento cariológico do género *Nigella* L. II. *Soc. Broteriana Bol. (Ser. 2)* 16: 5-40. 1942. Ref., p. 38-40. 451 C66
- 17703 \*PEREIRA, A. DE L. Sobre o citoplasma e a membrana da célula vegetal. *Soc. Broteriana Bol. (Ser. 2)* 16: 153-160. 1942. 451 C66
- 17704 \*PLYMALE, E. L., and WYLIE, R. B. The major veins of mesomorphic leaves. *Amer. Jour. Bot.* 31: 99-106. Feb. 1944. 450 Am36
- 17705 \*POHL, FRANZ. Das taube samen Korn der tanne (*Abies alba* Mill.). *Deut. Bot. Gesell. Ber.* 60: 313-322. Oct. 19, 1942. 451 D48
- 17706 \*PRAKKE, R. A new trisomic *Matthiola* type. *Hereditas* 28: 297-305. 1942. 442.8 H42
- 17707 \*PRAKKE, R. Studies of asynapsis in rye. *Hereditas* 29: 475-495. 1943. Ref., p. 494-495. 442.8 H42
- 17708 \*SCHAEFER, HEINZ. Ein gras *Lophatherum gracile*, mit speicherwurzeln. *Deut. Bot. Gesell. Ber.* 60: 284-291. June 25, 1942. 451 D48
- 17709 SOUEGES, RENÉ. Embryogénie des fumariacées. La différenciation des régions fondamentales du corps chez *L'Hypocoum procumbens* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 354-356. 1943. 505 P21
- 17710 SOUEGES, RENÉ. Embryogénie des fumariacées. L'origine et les premières divisions de la cellule embryonnaire proprement dite chez *L'Hypocoum procumbens* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 310-311. 1943. 505 P21
- 17711 SOUEGES, RENÉ. Embryogénie des scheuchzériachées. Développement de l'embryon chez le *Triglochin maritimum* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 746-748. 1943. 505 P21
- 17712 STEPHENS, S. G. Phenogenetic evidence for the amphidiploid origin of New World cottons. *Nature [London]* 153: 53-54. Jan. 8, 1944. 472 N21
- 17713 SWARTLEY, J. C. Adventitious root initiation in *Forsythia suspensa*. *Amer. Soc. Hort. Sci. Proc.* 43: 301-306. Nov. 1943. 81 S012
- 17714 TROLL, WILHELM. Zur morphologie und phylogenie des ophioglossaceenblattes. *Deut. Bot. Gesell. Ber.* 61: 70-74. July 26, 1943. 451 D48
- Eine erwidern an herrn W. Zimmermann.
- 17715 \*VAARAMA, ANTERO. Beobachtungen über die meiose bei einigen anthropochoren. *Hereditas* 29: 191-193. 1943. 442.8 H42
- Studies of weeds in Finland.
- 17716 \*WETTSTEIN, FRITZ VON. Ueber einiger beobachtungen und experimentelle befunde bei laubmoosen. *Deut. Bot. Gesell. Ber.* 60: 394-414. Nov. 26, 1942. 451 D48
- Morphological studies.
- 17717 ZIEGLE, LOUIS. Variations de l'état cytologique chez une algue aérophile, *L'Apatooccus minor* Br. *Paris. Acad. des Sci. Compt. Rend.* 216: 457-459. 1943. 505 P21
- 17718 \*ZIMMERMANN, W. Die phylogenie des ophioglossaceen-blattes. *Deut. Bot. Gesell. Ber.* 60: 416-433. Dec. 30, 1942. 451 D48

## PLANT GENETICS

- 17719 \*\*ANDERSSON, G. Vergleichende untersuchungen der assimilationsintensität diploider und tetraploider gerste. *Svensk Bot. Tidskr.* 37: 175-199. 1943.
- Abs. in *Herbage Abs.* 13: 350. Dec. 1943. 241 Im733
- 17720 \*BAUCH, ROBERT. Chemogenetische untersuchungen an der hefe. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 1): (42)-(63). Mar. 20, 1943. Ref., p. (61)-(63). 451 D48
- 17721 BEIRNAERT, A., and POERCK, R. DE. Sur les principes qui sont à la base de l'amélioration des plantes. *Bul. Agr. du Congo Belge* 34: 155-181. Sept./Dec. 1942. 24 K83
- 17722 \*BERKNER, F. Züchtung und auslese von futterpflanzen. *Forschungsdienst, Sonderheft* 16, p. 425-428. Berlin, 1942. 18 F772
- 17723 BLARINGHEM, LOUIS. Héredité d'akènes pourvus de deux embryons chez une composée cultivée, le tournesol (*Helianthus annuus* L.). *Paris. Acad. des Sci. Compt. Rend.* 216: 549-551. 1943. 505 P21
- 17724 BLARINGHEM, LOUIS. Héredité du sexe chez oeillet de poète (*Dianthus barbatus* L.). *Paris. Acad. des Sci. Compt. Rend.* 216: 704-704. 1943. 505 P21
- 17725 \*FREISLIEBEN, R. Untersuchungen an tetraploiden kulturgersten. *Forschungsdienst, Sonderheft* 16, p. 361-364. Berlin, 1942. 18 F772



17726 \*GRANHALL, INGVAR. Genetical and physiological studies in interspecific wheat crosses. *Hereditas* 29: 269-380. 1943. Ref., p. 373-380. 442.8 H42

17727 \*GRIESINGER, RUDOLF. Die bedeutung der ergebnisse der polyploidieforschung für pflanzenzüchtung. *Deut. Bot. Gesell. Ber.* 60 (Generalversammlung.-heft 1): (36)-(41). Mar. 20, 1943. 451 D48

17728 \*GUSTAFSSON, ÅKE. The origin and properties of the European blackberry flora. *Hereditas* 28: 249-277. 1942. Ref., p. 275-277. 442.8 H42

17729 HOUGH, L. F., and WELKER, E. L. Combining genetically different samples for correlation analysis. *Amer. Soc. Hort. Sci. Proc.* 43: 155-159. Nov. 1943. 81 Sol2

17730 \*\*JERMOLJEV, EUGEN. Die brüchigkeit des roggens. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 59-70. 1942.

Abs. in *Biol. Abs.* 18: 3256. Feb. 1944. 442.8 P526

Study of hereditary factors of fragility in rye.

17731 JONES, H. A., and CLARKE, A. E. Inheritance of male sterility in the onion and the production of hybrid seed. *Amer. Soc. Hort. Sci. Proc.* 43: 189-194. Nov. 1943. 81 Sol2

17732 \*KOSTOFF, DONTSCHO. Haploide Triticum vulgare und die variabilität ihrer diploiden nachkommenschaften. *Züchter* 15: 121-125. July/Sept. 1943. 442.8 Z8

17733 \*KUPČISOV, A. I. Ispol'zovanie estestvennogo otbora v selektsii kul'turykh rastenii (The utilization of natural selection in plant breeding). *Zhur. Obshch. Biol.* (Jour. Gen. Biol.) 4: 87-115. 1943. 442.8 Z6

17734 \*\*LEITZKE, B. Über einzelpflanzenuntersuchungen im rahmen der gräserzüchtung. *Ztschr. f. Pflanzenzücht.* 25: 38-60. 1943.

Abs. in *Herbage Abs.* 13: 313-314. Dec. 1943. 241 Im733

17735 \*LEVAN, ALBERT. A gene for the remaining in tetrads of ripe pollen in *Petunia*. *Hereditas* 28: 429-435. 1942. 442.8 H42

17736 LEWIS, D. The incompatibility sieve for producing polyploids. *Jour. Genet.* 45: 261-264. Dec. 1943 (Issued Jan. 10, 1944). 442.8 J823

Heat shocks applied to the pollen mother cells, following by self pollination are effective in producing triploids in fruit trees.

17737 \*LOVE, ASKELL. Cytogenetic studies in *Rumex*. III. Some notes on the Scandinavian species of the genus. *Hereditas* 28: 289-296. 1942. 442.8 H42

17738 \*MUNTZING, ARNE. Genetical effects of duplicated fragment chromosomes in rye. *Hereditas* 29: 91-112. 1943. Ref., p. 111-112. 442.8 H42

17739 \*NILSSON-LEISSNER, GUNNAR. On the possibilities of breeding new improved strains of timothy by means of selfing. *Hereditas* 28: 500-502. 1942. 442.8 H42

17740 \*\*NOVER, ILSE. Untersuchungen über den weizenmehltau, *Erysiphe graminis tritici* in rahmen der resistenzzüchtung. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 71-103. 1942.

Abs. in *Biol. Abs.* 18: 3547. Feb. 1942. 442.8 P526

17741 \*PATEL, N. M. Independence in inheritance of the loose smut reaction and lemma colouration in an oat cross. *Inst. Agr. Anand, India, Bot. Ser. Bul.* 1, 27 p. July 1943. Ref., p. 24-27. 451 An1

17742 PLATT, A. W., and LARSON, RUBY. An attempt to transfer solid stem from *Triticum durum* to *T. vulgare* by hybridization. *Sci. Agr.* 24: 214-219. Jan. 1944. 7 Sc12

17743 \*PRAKKEN, R., and MUNTZING, ARNE. A meiotic peculiarity in rye, simulating a terminal centromere. *Hereditas* 28: 441-482. 1942. Ref., p. 481-482. 442.8 H42

17744 \*RENNER, O. Ueber die entstehung homozygotischer formen aus komplexheterozygotischen oenotheren. II. Die translokationshomozygoten. *Ztschr. f. Bot.* 39: 39-105. 1943. Ref., p. 102-105. 450 Z32

17745 RIFE, D. C. The genetics of certain common variations in *Coleus*. *Ohio Jour. Sci.* 44: 18-24. Jan. 1944. 410 Oh3

Genetic studies of *Coleus* No. IV.

17746 \*RODRIGUES, ACURCIO. Sobre o recorte e assimetria da folha da videira. *Agron. Lusitana* 4: 137-153. 1942. 105.7 Ag8

English summary.

17747 \*ROELLER, TH. Resistenzzüchtung. *Forschungsdienst, Sonderheft* 16, p. 351-355. Berlin, 1942. 18 F772

17748 ROLLINS, R. C. Evidence for natural hybridity between guayule (*Parthenium argentatum*) and mariola (*Parthenium incanum*). *Amer. Jour. Bot.* 31: 93-98. Feb. 1944. 450 Am36

17749 \*RUDOLF, WILHELM. Ueber eine zwergcompactum-mutation bei *Festuca pratensis* L. *Deut. Bot. Gesell. Ber.* 60: 132-147. Mar. 26, 1942. 451 D48

17750 \*SENGBUSCH, R. VON. Methode zur züchterischen bearbeitung von fremdbefruchtern und anderes. *Forschungsdienst, Sonderheft* 16, p. 356-361. Berlin, 1942. 18 F772

17751 SHULL, G. H. Genetics, the unifying science in biology. *Torreyia* 43: 126-131. Dec. 1943. 450 T63

17752 SPIEGELMAN, S., LINDEGREN, C. C., and HEDGECOCK, L. Mechanism of enzymatic adaptation in genetically controlled yeast populations. *Natl. Acad. Sci. Proc.* 30: 13-23. Jan. 15, 1944. 500 N21P

17753 \*STOMPS, T. J. Ueber die künstliche herstellung von *Oenothera lamarckiana* gigas de Vries. *Deut. Bot. Gesell. Ber.* 60: 125-131. Mar. 26, 1942. 451 D48

17754 \*STUBBE, H. Pflanzenzüchtung und mutationsforschung. *Forschungsdienst, Sonderheft* 16, p. 333-338. Berlin, 1942. 18 F772

17755 \*\*TAVČAR, ALOIS. Beitrag zur vererbung der spindelbrüchigkeit bei einigen nacktergersten. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 333-338. 1942.

Abs. in *Biol. Abs.* 18: 2027. Feb. 1944. 442.8 B526

17756 \*WETTSTEIN, W. VON. Saatgut und züchtung. *Forstwiss. Centbl.* 64: 135-143. June 1, 1942. 99.8 F775

Seed selection and breeding for forest trees.

## PLANT PHYSIOLOGY AND BIOCHEMISTRY

### Plant Physiology

17757 ACOSTA V., JORGE. Los cultivos artificiales. *Ecuador. Univ. Cent. Inst. Bot. Bol.* 2(3/4): 173-189. Sept. 1943. 451 Ec9

17758 \*\*ALMEIDA, J. M. DE. O desenvolvimento da espiga nas primeiras idades, como processo de distinção de formas de inverno e formas de primavera na cevada. *Rev. Agron. [Lisboa]* 30: 462. 1942.

Abs. in *Herbage Abs.* 13: 355. Dec. 1943. 241 Im733

17759 \*AMIN, K. C. Application of colchicine to cotton. *Indian Farming* 4: 257-258. May 1943. 22 In283



- 17760 BARTON, L. V. Some seeds showing special dormancy. Poyce Thompson Inst. Contrib. 13: 259-271. Jan./Mar. 1944. 451 B69
- 17761 BATEMAN, A. J. Specific differences in *Petunia*. II. Pollen growth. Jour. Genet. 45: 236-242. Dec. 1943 (Issued Jan. 10, 1944). 442.8 J823
- 17762 BATJER, L. P., and MOON, H. E. Thinning apples and peaches with blossom-removal sprays. Amer. Soc. Hort. Sci. Proc. 43: 43-46. Nov. 1943. 81 Sol2
- 17763 BERTHON, ROGER. Sur l'origine des radicales chez les angiospermes. Paris. Acad. des Sci. Compt. Rend. 216: 308-309. 1943. 505 P21
- 17764 BIDDULPH, ORLIN, and MARKLE, JANE. Translocation of radiophosphorus in the phloem of the cotton plant. Amer. Jour. Bot. 31: 65-70. Feb. 1944. 450 Am33
- 17765 BRADFORD, F. C. The relationship of late blossoming to frost injury in the apple. Amer. Soc. Hort. Sci. Proc. 43: 35-38. Nov. 1943. 81 Sol2
- 17766 BREDEMANN, G. Nährstoffaufnahme und Nährstoffbedarf bei der faseresseln. Bodenk. u. Pflanzenernähr. 30: 95-137. 1942. Ref., p. 135-137. 384 Z343A
- Urtica dioica.
- 17767 BRICHET, J. La chlorose des arbres fruitiers à feuilles caduques. Fruits et Primeurs de l'Afrique du Nord 13: 12-15. Jan. 1943. 80 F9482
- 17768 BROMME, F. Der regionale aufbau des schwedischen waldes. Forstwiss. Centbl. u. Thar- und Forstl. Jahrb. 1943, No. 5, p. 145-166. Sept. 1943. 99.8 F775
- 17769 BRYANT, M. D. Fruit setting of the Bruce plum. Amer. Soc. Hort. Sci. Proc. 43: 99-102. Nov. 1943. 81 Sol2
- 17770 BUVAT, ROGER. Phénomènes de différenciation dans le bourgeonnement des tissus du tubercule de chicorée à café cultivés in vitro. Paris. Acad. des Sci. Compt. Rend. 216: 574-576. 1943. 505 P21
- 17771 CAMP, A. F. A resume of feeding and spraying citrus trees from a nutritional viewpoint. Fla. State Hort. Soc. Proc. (1943) 56: 60-79. 81 F66
- Assisted by the staff of the Citrus Experiment Station, Lake Alfred, Florida.
- 17772 CASTAN, RENÉ. Suspension de l'inhibition entre bourgeons pendant l'application d'hétéro-auxine à l'extrémité apicale. Paris. Acad. des Sci. Compt. Rend. 216: 576-577. 1943. 505 P21
- 17773 CHABROLIN, CHARLES. Toxicité comparée, pour des plantules de dicotylédones, des composés organiques, suivant la nature de leurs fonctions et la structure de leurs molécules. Paris. Acad. des Sci. Compt. Rend. 216: 79-81. 1943. 505 P21
- 17774 CHMELAR, F. Einfluss der nicht entgipfelten blütenstände auf das ausreifen grossblüttriger in einem feuchten jehr und auf schweren böden angebauten tabaksorten. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 383-394. 1942.
- Abs. in Biol. Abs. 18: 3239. Feb. 1944. 442.8 B526
- 17775 CHOUARD, PIERRE. Une synthèse nouvelle des causes de la floraison et des théories du photopériodisme. Paris. Acad. des Sci. Compt. Rend. 216: 591-593. 1943. 505 P21
- 17776 CHU, S. P. The influence of the mineral composition of the medium on the growth of planktonic algae. Part II. The influence of the concentration of inorganic nitrogen and phosphate phosphorus. Jour. Ecol. 31: 109-148. Nov. 1943 (Issued Dec. 31, 1943). 450 J829
- 17777 CLARK, J. W. The effect of some environmental influences in bulk hybridization of grass. Amer. Soc. Agron. Jour. 36: 132-140. Feb. 1944. 4 Am34p
- 17778 DEFRANCE, J. A. Effect of certain chemicals on the germination of crabgrass seed when plants are treated during the period of seed formation. Amer. Soc. Hort. Sci. Proc. 43: 331-335. Nov. 1943. 81 Sol2
- 17779 DEMOLON, ALBERT, and DUNEZ, ANTOINE. Observations sur le mécanisme de la symbiose bactérienne chez les légumineuses. Paris. Acad. des Sci. Compt. Rend. 216: 312-313. 1943. 505 P31
- 17780 DORSEY, M. J., and HOUGH, L. F. Relation between seedling vigor and tree vigor in apple hybrids. Amer. Soc. Hort. Sci. Proc. 43: 106-114. Nov. 1943. 81 Sol2
- 17781 DOSTAL, RUDOLF. Ueber die nekrobiose des kartoffeldunkelkeime. Phytopath. Ztschr. 14: 484-496. 1943. 464.8 P562
- 17782 EMERSON, R. L., STAUFFER, J. F., and UMBREIT, W. W. Relationships between phosphorylation and photosynthesis in *Chlorella*. Amer. Jour. Bot. 31: 107-120. Feb. 1944. Ref., p. 118-120. 450 Am36
- 17783 FRANCO, C. M. Estudos sobre a conservação de sementes. Bragantia 3: 137-149. June 1943. 102.5 B73Tb
- English summary.
- Experiments with cotton.
- 17784 FRAZER, H. L. The occurrence of endodermis in leguminous root nodules and its effect upon nodule function. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 328-343. 1942. 501 Ed4p
- 17785 GADD, C. H. Report of the plant physiologist for 1942. Ceylon Tea Res. Inst. Bul. 24, p. 42-47. 1943. 68.19 C33
- 17786 GAFFRON, HANS. Photosynthesis, photoreduction and dark reduction of carbon dioxide in certain algae. Cambridge Phil. Soc. Biol. Rev. 19: 1-20. Jan. 1944. 442.9 C14
- 17787 GALLAGHER, P. H., and WALSH, THOMAS. The susceptibility of cereal varieties to manganese deficiency. Jour. Agr. Sci. 33: 197-203. Oct. 1943 (Issued Jan. 31, 1944). 10 J822
- 17788 GASSNER, GUSTAV. Panaschierung und weissähigkeit von getreidepflanzen und wildgräsern als folge klimatischer einwirkungen. Phytopath. Ztschr. 14: 397-426. 1943. 464.8 P562
- 17789 GASSNER, GUSTAV. Die topallik-erkrankung der baumwolle. Phytopath. Ztschr. 14: 518-521. 1943. 464.8 P562
- Disease occurring in Turkey, caused by an increasing amount of salt in soil during the summer months.
- 17790 GERM, H. Die keimfähigkeit der soja-bohne. Forschungsdienst 15: 68-78. 1943.
- Abs. in Chem. Zentbl. (II) 1943: 1641. Nov. 3, 1943. 384 C42
- 17791 GOKSIN, ADIL. Altersermittlung beim saatgut der fichte und kiefer. Forstwiss. Centbl. 64: 111-117. June 1, 1942. 99.8 F775
- 17792 GUILLERMOND, A. La culture des tissus végétaux. Arch. Sci. Phys. et Nat. Genève 24: 178-190, 247-257. 1942.
- Abs. in Biol. Abs. 18: 1505, 1506. Jan. 1944. 442.8 B526
- 17793 HABERLANDT, GOTTLIEB. Ueber eine hypothetische funktion des epithems. Deut. Bot. Gesell. Ber. 60: 445-447. Dec. 30, 1942. 451 D48
- Experiments with *Echeveria*, mainly.
- 17794 HALLER, M. W. The value of some indexes of picking maturity of apples. Mountaineer Grower 15(151): 19-23, 25. Feb. 1944. 80 M86
- 17795 HANSEN, ELMER. Relation of ethylene production to respiration and ripening of premature pears. Amer. Soc. Hort. Sci. Proc. 43: 69-72. Nov. 1943. 81 Sol2



- 17796 \*HARDER, R., and WITSCH, H. VON. Bericht über versuche zur fettsynthese mittels autotropher mikroorganismen. Forschungsdienst, Sonderheft 16, p. 270-275. Berlin, 1942. 18 F772
- 17797 \*HARDER, R., and WITSCH, H. VON. Über blütenbildende und blattformbestimmende stoffe in den pflanzen. Forschungsdienst, Sonderheft 16, p. 263-266. Berlin, 1942. 18 F772
- 17798 \*HARDER, R., and WITSCH, H. VON. Über musterumwandlung bei blüten. Forschungsdienst, Sonderheft 16, p. 267-270. Berlin, 1942. 18 F772
- 17799 \*HARDER, RICHARD, and WITSCH, HANS VON. Ueber massenkultur von diatomeen. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (146)-(152). Mar. 20, 1943. 451 D48
- 17800 HARRIS, G. H. Some effects of micro-elements on growth and storage of carrots and turnips. Amer. Soc. Hort. Sci. Proc. 43: 219-224. Nov. 1943. 81 Sol2
- 17801 \*HEITZ, E. Die keimende Funaria-spore als physiologisches versuchsobjekt. Deut. Bot. Gesell. Ber. 60: 17-27. Feb. 26, 1942. 451 D48
- 17802 \*HODGSON, R. W. Observations on the history and status of the avocado tree decline and collapse problem in California. Calif. Avocado Soc. Yearbook 1943: 27-29. 81 C128
- 17803 \*HÖFLER, KARL. Ueber die austrocknungs-fähigkeit des protoplasmas. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (94)-(107). Mar. 20, 1943. 451 D48
- 17804 \*HÖFLER, KARL. Unsere derzeitige kenntnis von den spezifischen permeabilitätsreihen. Deut. Bot. Gesell. Ber. 60: 179-200. Mar. 26, 1942. Ref., p. 198-200. 451 D48
- 17805 HOFFMAN, M. B., and VANGELUWE, J. D. Some results of thinning certain apple varieties at bloom time with a caustic spray. Amer. Soc. Hort. Sci. Proc. 43: 47-50. Nov. 1943. 81 Sol2
- 17806 HOWLETT, F. S. Factors affecting fruit setting in the tomato. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 136, 138, 140, 142, 144, 146-148. 75.9 Oh3
- 17807 HOWLETT, F. S. Sprays for blossom thinning. Rural New-Yorker 103: 118, 125. Mar. 4, 1944. 6 R88
- Experiments with apples at Ohio Agricultural Experiment Station, Wooster.
- 17808 HUREL-PLY, GERMAINE. De l'influence du glucose sur le développement de l'appareil végétatif et reproducteur du gaméophyte d'*Asplenium*. Paris. Acad. des Sci. Compt. Rend. 216: 77-78. 1943. 505 P21
- 17809 HUREL-PLY, GERMAINE. Sur la culture indéfinie du gaméophyte de *Nephrolepis cordifolia*. Paris. Acad. des Sci. Compt. Rend. 216: 741-742. 1943. 505 P21
- 17810 JOLEY, L. E. Notes on variation and self sterility in the Mahaleb cherry. Amer. Soc. Hort. Sci. Proc. 43: 103-105. Nov. 1943. 81 Sol2
- 17811 JOLEY, L. E., and BRADFORD, F. C. Variations in blossom hardness within a hardy group of peaches. Amer. Soc. Hort. Sci. Proc. 43: 79-83. Nov. 1943. 81 Sol2
- 17812 \*KEESE, H. Ueber den einfluss verschiedener wasser- und phosphorsäuerversorgung auf die eiweissbildung im hafer. Bodenk. u. Pflanzenernähr. 31: 282-290. 1943. 384 Z343A
- 17813 \*KEMMER, E. Versuche zur klärung der ringelungstechnik. Deut. Obstbau 58: 155-156. Sept. 1943. 80 M73A
- 17814 \*KESSLER, W., and RUHLAND, W. Über die inneren ursachen der kälteresistenz der pflanzen. Forschungsdienst, Sonderheft 16, p. 345-351. Berlin, 1942. 18 F772
- 17815 KIDSON, E. B., ASKEW, H. O., and CHITTENDEN, E. The value of magnesium compounds for the control of magnesium deficiency of apple-trees. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 25: 31-42. June 1943. 514 N48
- 17816 \*KOCHER, V. Untersuchung über den aneuringsgehalt (vitamin B<sub>1</sub>) von honig, pollen und futtersaft mit hilfe des Phycomyces-testes. Schweiz. Bienen Ztg. 66: 21-24. Jan. 1943. 424.8 Sch9
- 17817 \*KOLKWITZ, RICHARD. Biologie und elektrische sauerstoffbestimmung. Deut. Bot. Gesell. Ber. 60: 306-312. Oct. 19, 1942. 451 D48
- Pflanzliche beispiele, p. 308-309.
- 17818 \*KUGLER, HANS. Hummelblumen. Ein beitrage zum problem der "blumenklassen" auf experimenteller grundlage. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (128)-(134). Mar. 20, 1943. 451 D48
- 17819 \*LAKON, GEORG. Topographischer nachweis der keimfähigkeit der getreidefrüchte durch tetrazoliumsalze. Deut. Bot. Gesell. Ber. 60: 299-305. Oct. 19, 1942. 451 D48
- 17820 \*LAKON, GEORG. Topographischer nachweis der keimfähigkeit von mais durch tetrazoliumsalze. Deut. Bot. Gesell. Ber. 60: 434-444. Dec. 30, 1942. 451 D48
- 17821 LANGHAM, D. G. Un método nuevo para efectuar polinización controlada en el ajonjolí (*Sesamum indicum* Loew) y una estimación de la hibridización natural. Agr. Venezolano 8(89/90): 18-19. Sept./ Oct. 1943. 9.95 Ag8
- 17822 LARMOUR, R. K., SALLANS, H. R., and CRAIG, B. M. Hygroscopic equilibrium of sunflowerseed, flaxseed, and soybeans. Canad. Jour. Res. Sect. F, Technol. 22: 1-8. Jan. 1944. 470 C16F
- 17823 LARMOUR, R. K., SALLANS, H. R., and CRAIG, B. M. Respiration of whole and dehulled sunflowerseed and of flaxseed. Canad. Jour. Res. Sect. F, Technol. 22: 9-18. Jan. 1944. 470 C16F
- 17824 \*LARSEN, POUL. Die bedeutung der winterkälte für die kernbildung der buche. Schweiz. Ztschr. f. Forstw. 94: 265-273. Sept. 1943. 99.8 Sch9
- 17825 LASTRA Y VILLAR, ALFONSO. Prevent rose diseases by proper feeding. Amer. Rose Ann. 1944: 138-140. 81 Am31A
- 17826 LATIMER, L. P., and PERCIVAL, G. P. How much borax can an apple tree tolerate? Amer. Soc. Hort. Sci. Proc. 43: 21-24. Nov. 1943. 81 Sol2
- 17827 LAZARO, R. Efectos de colchicina en *Helianthus annuus*. Uruguay. Univ. Facult. de Agron. Rev. No. 32, p. 163-168. May 1943. 102.5 M76R
- 17828 LEMESLE, ROBERT. De l'existence d'un complexe tanin-résine dans l'écorce, le liège et le cylindre central du *Sargentodoxa cuneata* Rehd. et Wils. Paris. Acad. des Sci. Compt. Rend. 216: 611-612. 1943. 505 P21
- 17829 \*LEVAN, ALBERT, and SANDWALL, C. G. Quantitative investigations on the reaction of yeast to certain biologically active substances. Hereditas 29: 164-178. 1943. 442.8 H42
- 17830 LI, LAI-YUNG. The influence of stratification of tung-seeds upon emergence and establishment of seedlings in the nursery. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 25: 43-48. June 1943. 514 N48
- 17831 \*LOVE, ASKELL. Physiological differences within a natural polyploid series. Hereditas 28: 504-506. 1942. 442.8 H42
- Experiments with *Rumex* subg. *Acetosella*.
- 17832 \*LOVE, DORIS. Intersexuality in *Melandrium rubrum* probably caused by a translocation between the sex chromosomes. Hereditas 28: 497-498. 1942. 442.8 H42



- 17833 LOTT, R. V. Some spectral curves of maturing apples. *Amer. Soc. Hort. Sci. Proc.* 43: 59-62. Nov. 1943. 81 Sol2
- 17834 LYNCH, S. J., MUSTARD, M. J., and SLATER, GRANT. The effect of potash upon the yield of papaya fruit and upon some of its chemical constituents. *Fla. State Hort. Soc. Proc.* (1943) 56: 117-122. 81 F66
- 17835 MCLACHLAN, R. G. Starch index and sugar index. *Australasian Beekeeper* 45: 136-137. Jan. 1944. 424.8 Au72
- Starch and sugar index of plants in relation to nectar secretion.
- 17836 MCNEW, G. L. The value of different seed treatments for lima beans. *Canner* 98(17): 16, 18, 24, 26. Mar. 25, 1944. 286.83 C16
- 17837 MAGNESS, J. R., BATJER, L. P., and BAYNES, W. C. Attempts to influence flower bud initiation in apples by chemical growth substances. *Amer. Soc. Hort. Sci. Proc.* 43: 53-55. Nov. 1943. 81 Sol2
- 17838 MAGROU, JOSEPH, BOUGET, JOSEPH, and SÈGRETAINE, GABRIEL. Semis symbiotiques de pomme de terre dans les Pyrénées. *Paris. Acad. des Sci. Compt. Rend.* 216: 501-503. 1943. 505 P21
- Mycorrhiza and seedling potatoes.
- 17839 \*MALER, WILLI. Eine neue, durch bormangel hervorgerufene krankheit der aepfel. *Landesbauernschaft Württemb. Wchnbl.* 110: 562. Oct. 9, 1943. 18 W96
- 17840 MALCHER, J., and ZIKA, M. Versuche mit pflanzenhormonen in bezug auf die brennerei- und stärkeindustrie. *Ztschr. f. Spiritusindus.* 66(9/10): 2-4; (11/12): 2-4. Mar. 11, 25, 1943. 390.8 Z33
- 17841 MANN, T. F. The value of pre-harvest spray to prevent apple drop. *Peninsula Hort. Soc. Del., Trans.* (1943) 57: 11-12. 81 P37
- 17842 MEADER, E. M., and BLAKE, M. A. Seasonal trend of fruit-bud hardiness in peaches. *Amer. Soc. Hort. Sci. Proc.* 43: 91-98. Nov. 1943. 81 Sol2
- 17843 MEDINA, J. C. A necrose da base da folha do sisal. *Bragantia* 3: 73-84. Apr. 1943. 102.5 B73Tb
- English summary.
- 17844 MENEZES SOBRINHO, A. A fertilização "integral" dos solos e os distúrbios metabólicos. *Ouro Branco* 9(6): 12-14. Oct. 1943. 72.8 Ou7
- Also in São Paulo. *Supt. dos Serv. do Café Bol.* 18: 815-818. Oct. 1943. 68.29 Sa63
- 17845 \*MEVIUS, W. Beiträge zum stickstoff- u. mineralstoffhaushalt höherer pflanzen. *Forschungsdienst, Sonderheft* 16, p. 245-253. Berlin, 1942. 18 F772
- 17846 \*MEYER, RUDOLF. Weiter untersuchungen über den abbau der cellulose durch *Bacillus cellulosa-dissolvens* Khouvine. *Archiv f. Mikrobiol.* 13: 250-277. July 15, 1943. 442.8 Ar26
- 17847 MILLER, E. V., and WINSTON, J. R. Green-spotting in relation to time of day that early oranges are harvested. *Fla. State Hort. Soc. Proc.* (1943) 56: 22-26. 81 F66
- 17848 MILLER, P. A. Stylar end checking of the Hachiya persimmon. *Calif. Avocado Soc. Yearbook* 1943: 53-55. 81 C128
- 17849 MILLIKAN, C. R. "Withertop" (calcium deficiency) disease in flax. *Victoria Dept. Agr. Jour.* 42: 79-91. Feb. 1944. 23 V66J
- 17850 MIROV, N. T. Experiments in rooting pines in California. *Jour. Forestry* 42: 199-204. Mar. 1944. 99.8 F768
- 17851 \*MOISSEJEWA, MARIA. Der einfluss von licht und luftzufuhr auf das zusammenwachsen des pfropfreises und der unterlage bei transplantation von cucurbitaceen. *Deut. Bot. Gesell. Ber.* 60: 323-335. Oct. 19, 1942. 451 D48
- 17852 MOLLIARD, MARIN, and ECHEVIN, ROBERT. Sur la germination des graines à l'obscurité. *Paris. Acad. des Sci. Compt. Rend.* 216: 165-166. 1943. 505 P21
- 17853 \*\*MONTEMARTINI, LUIGI. Photoperiodismus und produktion von saatkartoffeln. *R. Ist. Lombardo Sci. Let. Rend. Cl. Sci. Mat. Nat.* 75: 119-125. 1941/42.
- Abs. in *Chem. Zentbl.* (II) 1943: 1641. Nov. 3, 1943. 384 C42
- 17854 \*NEHRING, KURT. Der einfluss von nährstoff- und wasserversorgung auf die eiweissbildung bei getreide. VI. Der einfluss von phosphorsäure- und wasserversorgung auf die eiweissbildung bei hafer. *Bodenk. u. Pflanzenernähr.* 31: 298-311. 1943. 384 Z343A
- 17855 NETIEN, GEORGES. Influence du climat alpin sur le chimisme des feuilles de *Dryas octopetala* L. au cours d'un cycle de végétation. *Paris. Acad. des Sci. Compt. Rend.* 216: 75-77. 1943. 505 P21
- 17856 PALMER, R. C. The influence of amount of crop and harvesting maturity on bitter pit in Okanagan-grown Newtown apples. *Amer. Soc. Hort. Sci. Proc.* 43: 63-68. Nov. 1943. 81 Sol2
- 17857 PEPKOWITZ, L. P., and SHIVE, J. W. Importance of oxygen in the nutrient substrate for plant-ion absorption. *Soil Sci.* 57: 143-154. Feb. 1944. 56.8 So3
- 17858 \*PETROVA, J. Ueber den vergleich der alpha-strahlenempfindlichkeit von kern und plasma. *Deut. Bot. Gesell. Ber.* 60: 148-151. Mar. 26, 1942. 451 D48
- Experiments with the alga, *Zygnema*.
- 17859 PINCK, L. A., and ALLISON, F. E. Synthesis of lignin-like complexes by fungi. *Soil Sci.* 57: 155-161. Feb. 1944. 56.8 So3
- 17860 PLOUVIOT, VICTOR. Sur la présence de rutioside dans les fleurs de quelques *Magnolia*. *Paris. Acad. des Sci. Compt. Rend.* 216: 459-461. 1943. 505 P21
- 17861 POST, KENNETH. The effect of an interval of long days in the short day treatment on the flowering of *Chrysanthemums*. *Amer. Soc. Hort. Sci. Proc.* 43: 311-315. Nov. 1943. 81 Sol2
- 17862 POST, KENNETH. Effects of moisture and nitrate concentrations on growth and bud drop of sweet peas. *Amer. Soc. Hort. Sci. Proc.* 43: 278-280. Nov. 1943. 81 Sol2
- 17863 POST, KENNETH. Low temperature and flower bud development of azaleas. *Amer. Soc. Hort. Sci. Proc.* 43: 307-310. Nov. 1943. 81 Sol2
- 17864 PROEBSTING, E. L. Root distribution of some deciduous fruit trees in a California orchard. *Amer. Soc. Hort. Sci. Proc.* 43: 1-4. Nov. 1943. 81 Sol2
- 17865 RANDOLPH, L. F., and COX, L. G. Factors influencing the germination of iris seed and the relation of inhibiting substances to embryo dormancy. *Amer. Soc. Hort. Sci. Proc.* 43: 284-300. Nov. 1943. 81 Sol2
- 17866 RAWITSCHER, FELIX. Observações sobre transpiração de plantas brasileiras. *Ceres [Brazil]* 3: 2-16. Sept./Oct. 1943. 9.2 C332
- 17867 \*RENNER, O. Hydrostatischer druck und gasgehalt. *Deut. Bot. Gesell. Ber.* 60: 292-294. June 25, 1942. 451 D48
- Experiments with lichens.
- 17868 \*RETOVSKY, R. Verkürzung der ruheperiode der samen von *Aesculus hippocastanum* L. durch uranyl-nitrat. *Deut. Bot. Gesell. Ber.* 60: 355-366. Oct. 19, 1942. 451 D48
- 17869 RILEY, H. P. Relative growth of flower parts of two species of *Iris*. *Torrey Bot. Club Bul.* 71: 122-123. Mar. 1944. 451 T63B
- I. fulva* and *I. hexagona* var. *giganticaerulea*.



- 17870 \*RIPPEL, KARL. Der bakterielle abbau der äpfelsäure im wein als folge biologisch aktiver wirkstoffe (biokatalysatoren) in den weinbeeren. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (108)-(117). Mar. 20, 1943. 451 D48
- 17871 ROBBINS, W. J. Plants need vitamins too. *Torrey* 43: 116-125. Dec. 1943. 450 T63
- 17872 ROBERTS, A. N., and MILBRATH, J. A. The influence of flower removal on gladiolus corm development. *Amer. Soc. Hort. Sci. Proc.* 43: 319-322. Nov. 1943. 81 Sol2
- 17873 \*ROHMEDER, E. Keim- und saattversuche mit sanddorn (*Hippophae rhamnoides* L.). *Forstwiss. Centbl.* 64: 241-245. Nov. 1, 1942. 99.8 F775
- 17874 \*ROHMEDER, E. Keimversuche mit *Ulmus montana* (With.). *Forstwiss. Centbl.* 64: 121-135. June 1, 1942. 99.8 F775
- 17875 \*ROSEN, G. VON. Röntgeninduzierte mutationen bei *Pisum sativum*. *Hereditas* 28: 313-338. 1942. Ref., p. 337-338. 442.8 H42  
English summary.
- 17876 ROY, W. R. Studies of boron deficiency in grapefruit. *Fla. State Hort. Soc. Proc.* (1943) 56: 38-43. 81 F66
- 17877 \*RUDORF. Keimstimmung durch temperatur und entwicklungsabänderungen an der ergrüntten pflanze durch temperatur, photoperiode und andere faktoren. *Forschungsdienst, Sonderheft* 16, p. 253-262. Berlin, 1942. Refs., p. 259-262. 18 F772
- 17878 \*RUDORF, W., and SCHRÖCK, O. Neuere beobachtungen über den photoperiodism. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 108-133. 1942. Abs. in *Biol. Abs.* 18: 3492. Feb. 1944. 442.8 P526
- 17879 \*RYZHENKOVA, M. G. [K] Voprosu o solevy-noslivosti nekotorykh sel'skokhoziaistvennykh kul'tur [Concerning the salt tolerance of certain cultivated species]. In *Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa*, p. 399-402. Moskva, 1942. 56 Ak12
- 17880 \*SAPÉGIN, A. A. Nizhnia meza sporogenoi stadii u pshentsi i iachmeniu [The lower limit of the sporogenous stage of development in wheat and barley]. *Kiiv. Akad. Nauk URSS. Dopovidi* (Kiev. Acad. Sci. Ukrainian SSR Rpts.) 1942, No. 1/2, p. 61-65. 511 K54  
English summary.
- 17881 \*SAPÉGIN, A. A. Vikovii stan i kil'kist' kolosiv [Age conditions and the number of spikelets in a spike]. *Kiiv. Akad. Nauk URSS. Dopovidi* (Kiev Acad. Sci. Ukrainian SSR Rpts.) 1942, No. 1/2, p. 67-71. 511 K54  
Experiments showing effect of light on wheat.  
English summary.
- 17882 \*SANTOS, J. B. DOS. Estomas e actividade estomática no sobreiro [Quercus]. *Portugal. Dir. Geral dos Serv. Florestais e Aquícolas Pub.* 7: 5-53. 1942. Ref., p. 51-53. 99.8 P834
- 17883 SAVVINOV, N. I., and PANKOVA, N. A. Kornevaia sistema rastitel'nosti tselinnykh uchastkov stepei zavolzh'ia i novyi metod ee izuchenia [The root systems of the vegetation of the virgin soil districts in the steppes of the left bank of the Volga and a new method of studying them]. In *Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa*, p. 177-218. Moskva, 1942. Ref., p. 216-218. 56 Ak12
- 17884 \*SCHARER, K. Bedeutung der spurenelemente. *Forschungsdienst, Sonderheft* 16, p. 180-188. Berlin, 1942. Ref., 185-188. 18 F776  
Effect of trace elements on plants.
- 17885 SCHLOESING, A. T., and LEROUX, DESIRÉ. Essai de conservation de grains en l'absence d'humidité, d'air et de lumière. *Paris. Acad. de Sci. Compt. Rend.* 216: 468-470. 1943. 505 P21
- 17886 SCHMIDT, WERNER. Physiologische fernwirkung von metallen. Der buchweizentest, ein neuer biologischer spuren-indikator radioaktiver elemente von ausserordentlicher empfindlichkeit. *Deut. Bot. Gesell. Ber.* 61: 75-80. July 26, 1943. 451 D48
- 17887 SCHROEDER, C. A. Hand pollination studies on the cherimoya. *Amer. Soc. Hort. Sci. Proc.* 43: 39-41. Nov. 1943. 81 Sol2
- 17888 \*SCHROEDER, HEINRICH. Erklärung zu meiner abhandlung "Die kohlendioxidversorgung der chloroplasten." *Deut. Bot. Gesell. Ber.* 60: 371-372. Nov. 26, 1942. 451 D48
- 17889 \*SCHROEDER, HEINRICH. Die kohlendioxidversorgung der chloroplasten. II. *Deut. Bot. Gesell. Ber.* 60: 206-216. Apr. 23, 1942. 451 D48
- 17890 \*SCHROPP, W. Ueber bormangelerscheinungen. *Forschungsdienst, Sonderheft* 16, p. 188-191. Berlin, 1942. 18 F772
- 17891 \*SCHROPP, WILHELM, and ARENZ, B. Feldversuche wasser- und phosphorsäureversorgung auf den ertrag und die eiweissbildung beim hafer. *Bodenk. u. Pflanzenernähr.* 31: 312-324. 1943. 384 Z343A
- 17892 \*SCHROPP, WILHELM, and ARENZ, B. Gefässerversuche über den einfluss verschiedener wasser- und phosphorsäureversorgung auf den ertrag und eiweissbildung zweier hafersorten. *Bodenk. u. Pflanzenernähr.* 31: 291-297. 1943. 384 Z343A
- 17893 \*SCHULACHER, W. Untersuchungen über die stoffwanderungen in der pflanze. *Forschungsdienst, Sonderheft* 16, p. 297-300. Berlin, 1942. 18 F772
- 17894 \*SELKE, W. Neue möglichkeiten der stickstoffdüngung im rahmen der erzeugungsschlacht. *Forschungsdienst, Sonderheft* 16, p. 210-216. Berlin, 1942. 18 F772  
Study of increased protein content in field crops through use of nitrogenous fertilizer.
- 17895 \*SEYBOLD, AUGUST. Pflanzenpigmente und lichtfeld als physiologisches, geographisches und landwirtschaftlichforstliches problem. *Deut. Bot. Gesell. Ber.* 60(Generalversamml.-heft 1): (64)-(85). Mar. 20, 1943. 451 D48
- 17896 SISLER, G. P., and OVERHOLSER, E. L. Influence of climatic conditions on date of full bloom of Delicious apples in the Wenatchee Valley. *Amer. Soc. Hort. Sci. Proc.* 43: 29-34. Nov. 1943. 81 Sol2
- 17897 \*STOCKER, O. Untersuchungen über die physiologischen grundlagen der dürreresistenz landwirtschaftlicher kulturpflanzen. *Forschungsdienst, Sonderheft* 16, p. 275-279. Berlin, 1942. 18 F772
- 17898 \*STOSCH, H. A. Form und formwechsel der diatomee *Achnantes longipes* in abhängigkeit von der ernährung. Mit besonderer berücksichtigung der spurenstoffe. *Deut. Bot. Gesell. Ber.* 60: 2-16. Feb. 26, 1942. 451 D48
- 17899 STOUT, MYRON, and TOLMAN, BION. Field and greenhouse tests with synthetic growth-regulating substances applied to sugar beet seeds and plants. *Amer. Soc. Agron. Jour.* 36: 141-146. Feb. 1944. 4 Am34p
- 17900 STUCKEY, H. P. Nitrogen reduces cold injury to peach trees. *Farm for Victory*, Feb. 1944, p. 10-11. 281.8 F226
- 17901 SWEENEY, B. M. The effect of auxin on protoplasmic streaming in root hairs of *Avena*. *Amer. Jour. Bot.* 31: 78-80. Feb. 1944. 450 Am36
- 17902 TATUM, E. L., and BONNER, DAVID. Indole and serine in the biosynthesis and breakdown of tryptophane. *Nat. Acad. Sci. Proc.* 30: 30-37. Feb. 1944.  
Synthesis of tryptophane by *Neurospora*; production of indole from tryptophane by *Escherichia coli*.



17903 \*ULLRICH, H. Beziehungen zwischen struktur und frostresistenz bei pflanzen. Forschungsdienst, Sonderheft 16, p. 280-283. Berlin, 1942. 18 F772

17904 \*ULLRICH, HERMANN. Zur frage der entwicklung der pflanzen bei ausschliesslich künstlicher beleuchtung. II. Ueber weitere versuche mit osram-leuchtstofflampen, insbesondere bei höhere beleuchtungsintensität. Deut. Bot. Gesell. Ber. 60: 152-178. Mar. 26, 1942. 451 D48

17905 WALKER, J. C., STAHMANN, M. A., and PHYOR, D. E. Efficacy of fungicidal transplanting liquids for control of clubroot of cabbage. Phytopathology 34: 185-195. Feb. 1944. Ref., p. 194-195. 464.8 P56

17906 WANDER, I. W. The use of alkylation phosphate with respect to toxicity. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 43-47. Jan./Feb. 1944. 100 Oh3S

Experiments with various plants showed no toxic effects.

17907 WESTER, H. V. Relation of defoliation by Japanese beetles and drought to frost injury of American elm. Amer. Soc. Hort. Sci. Proc. 43: 316-318. Nov. 1943. 81 Sol2

17908 WHITTAKER, E. C., and MACKENZIE, P. B. The control of pre-harvest drop of apples and pears. Agr. Gaz. N. S. Wales 55: 11-13. Jan. 1, 1944. 23 N472

17909 WILLIAMS, H. H. Studies on the propagation of certain broadleaf evergreens with special reference to leaf-bud cuttings and root-inducing substances. Amer. Soc. Hort. Sci. Proc. 43: 323-330. Nov. 1943. 81 Sol2

17910 \*ZACHARIEW, B. J. Über die keimdauer bei schwarzkiefernsemen [Pinus laricio]. Forstwiss. Zentbl. 64: 278-285. Dec. 1, 1942. 99.8 F775

17911 ZIMMERMAN, P. W. The formative influences and comparative effectiveness of various plant hormone-like compounds. Torreya 43: 98-115. Dec. 1943. 450 T63

17912 ZIMMERMAN, P. W., HITCHCOCK, A. E., and HARVILL, E. K. Xylenoxy growth substances. Boyce Thompson Inst. Contrib. 13: 273-280. Jan./Mar. 1944. 451 P69

#### Biochemistry

17913 BERTRAND, DIDIER. Le vanadium chez les champignons et plus spécialement chez les amanites. Soc. de Chim. Biol. Bul. 25: 194-197. Apr./June 1943. 383 Sol

17914 CHRISTOPHER, E. P., and PIENIAZEK, S. A. A further evaluation of hormone sprays [for apples]. Amer. Soc. Hort. Sci. Proc. 43: 51-52. Nov. 1943. 81 Sol2

17915 COLIN, HENRI, and BOUGY, EUGENE. Chaux et magnésie dans la betterave. Paris. Acad. des Sci. Compt. Rend. 216: 167-169. 1943. 505 P21

17916 COLIN, HENRI, TANRET, GEORGES, and CHOLLET, M. M. Sur le catalposide, hétéroside des fruits du catalpa. Paris. Acad. des Sci. Compt. Rend. 216: 277-279. 1943. 505 P21

17917 FISH, V. B. The effects of storage upon the ascorbic acid content of some West Virginia apples. Amer. Soc. Hort. Sci. Proc. 43: 73-78. Nov. 1943. 81 Sol2

17918 GEISSMAN, T. A., and HEATON, C. D. Anthocolor pigments. V. The pigments of Coreopsis grandiflora. II. Amer. Chem. Soc. Jour. 66: 486-487. Mar. 1944. 381 Am33J

17919 HAAS, A. R. C. Boron content of avocado trees and soils. Calif. Avocado Soc. Yearbook 1943: 41-52. 81 Cl28

17920 \*HOFFMANN, JOSEF. Ein weiterer beitrage zur verteilung von uran in pflanzlichen stoffen. Bodenk. u. Pflanzenernähr. 32: 295-306. 1943. 384 Z343A

17921 \*HOFFMANN, RUDOLF. Untersuchungen über die keimung und das jugendwachstum der schwarz- und walnuss. Forstwiss. Zentbl. 64: 59-91. Mar. 1942. 99.8 F775

17922 JACQUOT, RAYMOND, and RAVEUX, ROGER. Formation concomitante de lipides et d'alcool par Sterigmatocystis nigra. Paris. Acad. des Sci. Compt. Rend. 216: 318-319. 1943. 505 P21

17923 \*JANZ, G. J., and LOUREIRO, J. A. DE. Estudo das fracções obtidas no descasque e polidura de arroz produzido respectivamente com irrigação continua e intermitente, e do respectivo conteúdo em ácido fosfórico. Agron. Lusitana 4: 167-183. 1942. 105.7 Ag8

17924 JOHNSON, J. R., MCCRONE, W. C., JR., and BRUCE, W. F. Gliotoxin, the antibiotic principle of Gliocladium fimbriatum. Amer. Chem. Soc. Jour. 66: 501. Mar. 1944. 381 Am33J

17925 KALIN, E. W. pH of extracted cell sap and phosphorus content of young tomato plants growing on varying levels of phosphorus. Amer. Soc. Hort. Sci. Proc. 43: 235-238. Nov. 1943. 81 Sol2

17926 \*LANZ, IRMGARD. Schwefelkristalle in blausalgen. Deut. Bot. Gesell. Ber. 60: 469-472. Jan. 28, 1943. 451 D48

17927 \*\*LINDNER, WILLY. Gräsersaponine. Untersuchungen über ihr vorkommen. Pharmaz. Ind. 10: 181-186. July 15, 1943.

Abs. in Chem. Zentbl. (II) 1943: 1641. Nov. 3, 1943. 384 C42

17928 LOTT, R. V. The levulose, dextrose, and sucrose content of fifteen Illinois apple varieties. Amer. Soc. Hort. Sci. Proc. 43: 56-58. Nov. 1943. 81 Sol2

17929 \*\*LUND, A. Undersøgelser karotinindholdet i foderplanter [Research on the carotin content of fodder plants]. Nord. Jordbrugsforsk. 1942, No. 7, p. 321-340.

Abs. in Herbage Abs. 13: 328. Dec. 1943. 241 Im733

17930 \*LUND, AAGE. Graesmarksplanternes vitaminindhold. Ugeskr. for Landmaend 88: 687-691. Oct. 1, 1943. 11 Ug3

Vitamin content of grassland plants.

17931 MCKEE, C. M., RAKE, GEOFFREY, and HOUCK, C. L. Studies on Aspergillus flavus. II. The production and properties of a penicillin-like substance - flavacidin. Jour. Bact. 47: 187-197. Feb. 1944. 448.3 J82

17932 MEDINA, J. C., JENSEN, G. O., and NERI, J. P. Composição química da casca de ramí em diversas fases do seu desenvolvimento. Bragantia 2: 433-447. Nov. 1943. 102.5 B73Tb

English summary.

17933 NICHOLS, M. L., and ROGERS, L. H. Determination of small amounts of molybdenum in plants and soils. Indus. and Engin. Chem. Analyt. Ed. 16: 137-140. Feb. 1944. 381 J825A

17934 OSBORN, E. M. On the occurrence of antibacterial substances in green plants. Brit. Jour. Expt. Path. 24: 227-231. Dec. 1943. 448.8 B772

17935 OTT, A. C., and BALL, C. D. The isolation of stigmasterol and beta-sitosterol from the common bean, Phaseolus vulgaris. Amer. Chem. Soc. Jour. 66: 489-491. Mar. 1944. 381 Am33J

17936 \*PAECH, K. Beiträge zur kenntnis des ascorbinsäure - (Vitamin C) -gehaltes und dessen veränderungen in pflanzlichen lebensmitteln. Forschungsdienst, Sonderheft 16, p. 283-289. Berlin, 1942. 18 F772



17937 \*SCHMALFUSS, K. Über das schicksal der phosphorsäureverbindungen in reifenden maisfrüchten und in wurzeln und blättern der petersilie in verschiedenen entwicklungszuständen und zugleich unter dem einfluss der düngung. Forschungsdienst, Sonderheft 16, p. 303-305. Berlin, 1942. 18 F772

17938 \*SCHWABOLD, J. Die bestimmung kleiner mengen kupfer, blei, und zink mit dithizon, mit besonderer hinsicht auf ihre bestimmung in biochemischen materialien. Forschungsdienst, Sonderheft 16, p. 745-746. Berlin, 1942. 18 F772

17939 VANDECAVEYE, S. C., and BAKER, G. O. Chemical composition of certain forage crops as affected by fertilizers and soil types. Jour. Agr. Res. 68: 191-220. Mar. 1, 1944. 1 Ag84J

17940 WADLEIGH, C. H., GAUCH, H. G., and DAVIES, VIRGINIA. The trend of starch reserves in bean plants before and after irrigation of a saline soil. Amer. Soc. Hort. Sci. Proc. 43: 201-209. Nov. 1943. 81 Sol2

17941 WAKSMAN, S. A. Purification and anti-bacterial activity of fumagacin and clavacin. Science 99: 220-221. Mar. 17, 1944. 47Q Sci2

17942 \*WEBER, FR. Der Vitamin-C-gehalt der pflanzen. Forschungsdienst, Sonderheft 16, p. 300-303. Berlin, 1942. 18 F772

17943 \*WEIDHAAS, HEINZ. Experimentelle studien an gemüse über die entnahme von durchschnittsproben zur chemischen qualitätsbestimmung unter anwendung statistischer methoden. Bodenk. u. Pflanzenernähr. 30: 1-35. 1942. Ref., p. 34-35. 384 Z343A

17944 WINSTON, J. R. Seasonal changes in the juice of the calamondin [*Citrus mitis*] in Florida. Amer. Soc. Hort. Sci. Proc. 43: 84-90. Nov. 1943. 81 Sol2

17945 \*ZIKA, M. Ueber die ertragssteigerung der kartoffeln durch heteroauxin. Jour. f. Landw. 89: 64-76. 1942. 18 J825

#### SILVICULTURE

17946 \*\*COSSART, S. J. South Australian pine plantations, a wonderful achievement. Austral. Timber Jour. 8: 1021, 1023. Dec. 1942. (Madison Sub-Branch Libr.)

Abs. in Forestry Abs. 5: 109. 1943. 241.01 Im7  
Successful reforestation with Monterey pine.

17947 \*DEININGER. Waldbau im privatwald! Landesbauernschaft Bayern. Wchnbl. 133: 507. Sept. 18, 1943. 18 B34W

17948 DENUYL, DANIEL. The growth of timber in Indiana farmwoods. Jour. Forestry 42: 169-174. Mar. 1944. 99.8 F768

17949 GONÇALVES, A. P. Silvicultura aplicada. IV. Produção de mudas de essências florestais. Ceres [Brazil], 5(25): 61-68. Sept./Oct. 1943. 9.2 C332

Describes facilities and operation of forest nurseries.

17950 \*HERTRICH. Natürliche oder künstliche verjüngung. Forstwiss. Centbl. 64: 187-189. Aug. 1942. 99.8 F775

Discusses various theories of natural versus artificial regeneration of forest stands.

17951 \*LOHRMANN, R. Zur gestaltung der wald-ränder. Deut. Forstwirt 25: 10-12. Jan 8, 1943. 99.8 D483

On the formation of forest borders.

17952 \*MAYER-WEGELIN, H. Die geschichtliche entwicklung der aufforstungen in der ukrainischen steppe. Forstarchiv 19: 95-107. Mar. 15, 1943. 99.8 F7723

17953 NEWMAN, F. S. The development of reforestation in Ontario. Roy. Canad. Inst. Proc. (Ser. 3A) 8: 37-38. 1942-1943. 517 T63P

17954 NITSCHKE, H. H. The conservation of old and the growing of new trees. So. Austral. Dept. Agr. Jour. 47: 272-273. Jan. 1944. 23 So84  
Suggestions for both small- and large-scale planting.

17955 \*OSTWALD, HANS. Noch einmal zur frage "Natürliche oder künstliche verjüngung." Forstwiss. Centbl. 64: 253-260. Nov. 1942. 99.8 F775  
Reply to criticism of an earlier article.

17956 \*OW, L., FREIHERR VON. Der fichten-buchen-mischbestand unter den wirtschaftlichen bedingungen eines forstbetriebes. Deut. Forstwirt 25: 93-96. Mar. 12, 1943. 99.8 D483

A critical review of Eilhard Wiedemann's "Der gleichaltrige fichten-buchen-mischbestand," 1942.

17957 PERALTA V., ROBERTO. Reforestación [en Chile]. Agr. del Norte 27: 697-698. Nov. 1943. 9.3 Sol4

17958 \*RÜEDI, K. Aus der praxis der waldbaues. Schweiz. Ztschr. f. Forstw. 94: 283-288. Sept. 1943. 99.8 Sch9

17959 SILVEIRA, L. V. DA. A silvicultura no Rio Grande do Sul. (Cont.) Rev. Agron. [Brazil], 7: 534, 536-537. Oct. 1943. 9.2 R325

17960 \*STÖCK. Gegenwartsfragen des kiefernwaldbaues. Deut. Forstwirt 25: 67-70. Feb. 1943. 99.8 D483

Discusses problems in connection with natural regeneration of pine.

17961 \*VIGLEZIO, G. Sistematica dei cedui semplici ticinesi. Schweiz. Ztschr. f. Forstw. 94: 273-278. Sept. 1943. 99.8 Sch9

Also in German, with title "Systematik der Tessiner niederwälder," p. 279-283.

17962 \*WAPPES. Erziehung von Weymouthskiefernpflanzen [*Pinus strobus*]. Deut. Forstwirt 25: 52. Feb. 5, 1943. 99.9 D483

#### FIELD CROPS

Includes articles on general agronomy, and on crop varieties, breeding, cultural practices, and yield.

#### General

17963 \*BOEKHOLT, K. Der einfluss der umwelt auf höhe und sicherheit der ernten. Forschungsdienst, Sonderheft 16, p. 124-125. Berlin, 1942. 18 F772

17964 \*CHIZHEVSKIĬ, M. G. K teorii poluchenia vysokikh urozhaev v svete uchenia akademika V. R. Vil'iamsa [Concerning the theory of getting abundant harvests in the light of the teaching of academician V. R. Vil'iams]. In Akad. Nauk. Sbornik Pamiatī Akad. V. R. Vil'iamsa, p. 63-82. Moskva, 1942. 56 Ak12

17965 \*GARCÍA ROMERO, ANTONIO. Ante la siembra la elección de semilla. Surco [Madrid] 2(20): 2-3. Oct. 1943. 15 Su7

17966 \*GUSTAFSSON, LENNART. Växtodlingen vid mindre och större gardar (Cultivation of crops at smaller and bigger farms). K. Landbr. Akad. Tidskr. 82: 341-350. 1943. 104 Sw3

17967 HARMER, P. M. The production of war crops—potatoes and sugar beets. Mich. Muck Farmers Assoc. Proc. (1943) 25: 13-16. 4 M5813

17968 \*HILLER. Zur herbstbestellung 1943. Landesbauernschaft Niederschles. Wchnbl. 10: 467, 479. Aug. 28, Sept. 4, 1943. 18 S13

17969 \*HUBERT, K. Erst reinigen und beizen, dann säen. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 460. Aug. 28, 1943. 18 Sa9

17970 LEWIS, R. D. Meeting the challenge in the production of field crops. Ohio Farmer 193(5): 5, 13. Mar. 4, 1944. 6 Oh3



17971 \*SCHEIBE, A. Ökologie und züchtung von sonnenblume, saflor, ölrauke und mohn. Forschungsdienst, Sonderheft 16, p. 405-409. Berlin, 1942. 18 F772

17972 \*SCHLECHT. Zwischenfruchtanbau. Landesbauernschaft. Württemb. Wchnbl. 110: 392. July 3, 1943. 18 W96

17973 \*SESSOUS, G. Arbeiten und aufgaben der reichsarbeitsgemeinschaft "Pflanzenbau und Pflanzenzüchtung." Forschungsdienst, Sonderheft 16, p. 237-240. Berlin, 1942. 18 F772

17974 \*TRITSCHLER. Stoppelfruchtbau. Landesbauernschaft Bayern. Wchnbl. 133: 427A-428. July 31, 1943. 18 B34W

#### Cereals

17975 BUSSELL, F. P. Seed oats. [N. Y.] Delaware Co. Farm & Home Bur. News 27(3): 1. Mar. 1944. 275.293 N. Y., Delaware Co.

17976 CAFFEY, M. The need for increased food production; the cultivation of oats. Fire. Dept. Agr. Spec. Leaflet 16, 4 p. [Dublin], 1941. 10.5 Ir425

17977 CLARIDGE, J. H. A summary of the wheat research report on wheat varieties in the 1943 harvest. New Zeal. Jour. Agr. 68: 99-101. Feb. 15, 1944. 23 N48J

17978 THE CULTIVATION of rye as a grain crop. Fire. Dept. Agr. Spec. Leaflet 22, 3 p. [Dublin], 1942. 10.5 Ir425

17979 CUNNINGHAM, J. C. The cereal that developed the American way - Corn and the continent. Frontiers 8: 77-79. Feb. 1944. 410 F92

Corn in the history of North America.

17980 \*DRAHORAD, F. Züchtung alpiner getreidearten. Forschungsdienst, Sonderheft 16, p. 364-368. Berlin, 1942. 18 F772

17981 DUNGAN, G. H. Yield and bushel weight of corn grain as influenced by time of planting. Amer. Soc. Agron. Jour. 36: 166-170. Feb. 1944. 4 Am34P

17982 EBERT, M. H. Rendimientos de los cultivos de cereales. Campesino [Santiago, Chile], 76: 4-5. Jan. 1944. 9.3 Sol2

17983 \*FUCHS, W. H. Die grundlagen der züchtung auswuchsfester getreidesorten. Forschungsdienst Sonderheft 16, p. 339-344. Berlin, 1942. 18 F772

17984 \*GASPAR, FERNANDO. Variedades de cereales Surco [Madrid] 2(20): 7-9. Oct. 1943. 15 Su7

17985 GERMEK, EMILIO. Processo eficiente para produção de mudas para progênies de arroz. Bragançia 2: 515-520. Dec. 1943. 102.5 B73Tb

English summary.

17986 GULL, P. W. Ten corn hybrids listed among leaders in the test at Stoneville. Miss. Farm Res. 7(2): 7. Feb. 1944. 100 M69M1

17987 \*HAHNE, J. Wintergerstenbau. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 470. Sept. 4, 1943. 18 Sa9

17988 \*HAHNE, J. Zur weizenbestellung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 567. Oct. 30, 1943. 18 Sa9

17989 \*HORA, S. L. Paddy cultivation and fish-culture. Indian Farming 4: 232-233. May 1943. 22 In283

17990 HURTUBISE, J. A. P. L'avoine des fermes expérimentales fédérales. Bul. des Agr. 40(3): 20-32A. Mar. 1944. 7 B872

17991 HURTUBISE, J. A. P. Le blé des fermes expérimentales fédérales. Bul. des Agr. 40(2): 30-31. Feb. 1944. 7 B872

17992 \*JAHN, E. Vermehrter anbau von waldstaudenroggen im sinne der erzeugungsschlacht. Deut. Forstwirt 25: 51-52. Feb. 5, 1943. 99.8 D483

17993 JARRIN, L. H. Contribución al mejoramiento de la harina de trigo nacional. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 86-92. Sept. 1943. 451 Ec9

Description of weed seeds often found in wheat.

17994 KERLE, W. D. The grain sorghums. Value of new varieties demonstrated. (Concl.) Agr. Gaz. N. S. Wales 55: 8-10. Jan. 1, 1944. 23 N472

17995 KRASNIANSKY, V. L'introduction des semences sélectionnées de paddy en milieu indigène, dans la province de Stanleyville. Bul. Agr. du Congo Belge 35: 62-71. Mar./Dec. 1943. 24 KB3

17996 \*KRICKL, MARTIN. Zur züchtung mehrkolbiger maissorten und der einfluss des temperaturfaktors auf die reife der einzelpflanze. Züchter 15: 125-134. July/Sept. 1943. 442.8 Z8

17997 \*LANG, JOSEF. Der landwirtschaftlicher anbau im walde. Deut. Forstwirt 25: 172-173. May 14, 1943. 99.8 D483

Cereal crops.

17998 LAUDE, H. H. Long-time wheat variety yield comparisons. Amer. Soc. Agron. Jour. 36: 152-161. Feb. 1944. 4 Am34P

17999 MILLER, W. B. Cereal varieties recommended [for sowing in various districts]. Victoria Dept. Agr. Jour. 42: 30. Jan. 1944. 23 V66J

18000 \*MØLLE, MUNKE. Dyrkningsforsøg med hvede. Ugeskr. for Landmaend 88: 695. Oct. 1, 1943. 11 Ug3

Cultivation experiments with wheat. Danish and American winter wheat and spring wheat compared.

18001 MOORE, IAN. What to expect in spring corn coats, wheat and barley. Farmer & Stock-Breeder 58: 268. Feb. 15, 1944. 10 F228

18002 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Varieties of cereals for spring sowing. Natl. Inst. Agr. Bot. Farmers' Leaflet 2, 4 p. Cambridge, England, 1943. 103 N21F

18003 O'CONNELL, T. The need for increased production; "more and more wheat." Fire. Dept. Agr. Spec. Leaflet 12, 4 p. Dublin, 1941. 10.5 Ir42S

18004 OWENS, J. S. Hybrid corn for Connecticut. Conn. Tollard Co. Farm Bur. News 25(3): 2. Mar. 1944. 275.293 Connecticut, Tollard Co.

18005 PARKER, J. H. Wheat missionaries [crop improvement workers help millers and farmers to understand quality of new varieties]. Northwest. Miller, Milling Prod. Sect. 217(10): 4a-6a. Mar. 8, 1944. 298.8 N81

18006 PUTNAM, H. O. Small grain varieties for the Northwest. Grain & Feed Jour. Consolidated 92: 201. Mar. 8, 1944. 298.8 G762

18007 \*RICHTER. Saatgutbeizung bedeutet mehrertrag. Landesbauernschaft Württemb. Wchnbl. 110: 524. Sept. 18, 1943. 18 W96

Seed treatment for cereal crops.

18008 ROBERTSON, D. W., and FAUBER, HERMAN. Increased yields shown by corn hybrids in northern Colorado and Arkansas Valley. Colo. Farm Bul. 6(2): 13-15. Mar./Apr. 1944. 100 C71S

18009 \*ROEMER, TH. Ausgangsmaterial für die resistenzzüchtung bei getreide. Ergebnisse 20 jhrig-er arbeit der Pflanzestation Halle a. S. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 304-333. 1942. Abs. in Biol. Abs. 18: 2025. Feb. 1944. 442.8 B526

18010 \*ROEMER, TH. Erzeugung von qualitätsweizen. Forschungsdienst, Sonderheft 16, p. 368-370. Berlin, 1942. 18 F772

18011 ROGERS, J. S., MCDOWELL, C. H., and HUNT, N. H. The boom in southern hybrids. Farm success of adapted corn hybrids creates demand years ahead of possible seed production. South. Seedsman 7(3): 13, 20, 40. Mar. 1944. 61.8 So8



18012 \*SCHNEIDER, E. Einige winke zur roggenbestellung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 492. Sept. 18, 1943. 18 Sa9

18013 \*SÜLDNER. Körnermaisbau im 4. kriegsjahr. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 239-240. Apr. 24, 1943. 80 F772

18014 SPANGENBERG, JORGE. El trigo "Klein 157" en el Uruguay. Uruguay. Univ. Facult. de Agron. Rev. No. 32, p. 73-102. May 1943. 102.5 M76R

18015 STOA, T. E. Which barley to grow. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 5-12. Jan. 1944. 100 N813B

18016 SWENSON, S. P. Which spring grains should be sown? [Varieties recommended.] Wash. Farmer 69: 129. Mar. 16, 1944. 6 R151

18017 \*TRITSCHLER. Ueberlegung zum anbau von winterweizen. Landesbauernschaft Bayern Wchnbl. 133: 513. Sept. 18, 1943. 18 B34W

18018 VENAULT. La culture du blé au Tchad. Bul. Agr. du Congo Belge 32: 118-125. Mar./Dec. 1941. 24 K83

18019 WHITE, THOMAS. The art of barley growing. Farmers Weekly [London] 20(10): 29. Mar. 10, 1944. 10 F2226

18020 WIIDAKAS, WILLIAM. Hybrid seed corn production. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 3-4. Jan. 1944. 100 N813B

18021 WILKINSON, J. F. Why Vicland oats. Hoard's Dairyman 89: 171. Mar. 25, 1944. 44.8 H65

18022 WRIGHT, E. P. The season's barleys. Inst. Brewing Jour. 50: 41-45. Jan./Feb. 1944. 390.9 In7

#### Fiber Crops

18023 ANDRADE, D. X. DE. A cultura do sisal na Paraiba. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 228-240. Sept. 1942. 9.2 P423

18024 BARBER, C. H. Gifts of the Americas: kapok. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 59. Mar. 1944. 1 F752A

18025 BRESSMAN, E. N. Abecá finds new home in American tropics. U. S. Dept. Com. Foreign Com. Weekly 14(11): 7-8, 32. Mar. 11, 1944. 157.54 F763  
Description of the plant, its history, and processing.

18026 ENGELBEEN, M. Expérimentation cotonnière. Adaptation de la technique aux conditions locales. Bul. Agr. du Congo Belge 34: 278-299. Sept./Dec. 1942. 24 K83

18027 HES, D. E. Instruções para o plantio da juta indiana. Chacaras e Quintas 68: 707-708. Dec. 15, 1943. 9.2 C34

18028 \*HUMMEL. Wann ist flachfaser reif? Landesbauernschaft Württemb. Wchnbl. 110: 348. June 5, 1943. 18 W96

18029 LARAMBERGUE, ROGER DE. Sur quelques propriétés des fibres libériennes de gouama Hibiscus sterculiifolius (Guil. Perr. et Rich.) Steudel. Paris. Acad. des Sci. Compt. Rend. 216: 498-499. 1943. 505 P21

18030 LUBRANO, JOSÉ. El abacá (cañamo de Indias). Rev. de Agr. [Dominican Repub.] 34: 534. Sept./Oct. 1943. 8 R323

18031 MEDINA, J. C. Alguns dados de rendimento de ramí em caule, casca e fibra. Bragantia 2: 333-337. Sept. 1943. 102.5 B73Tb  
English summary.

18032 METEOROLOGIE et culture cotonnière. Bul. Agr. du Congo Belge 35: 2-61. Mar./Dec. 1943. 24 K83

18033 MIEGE, E. La culture du cotonnier au Maroc, ses possibilités et son avenir. Fruits et Primeurs de l'Afrique du Nord 13: 47-49. Mar. 1943. 80 F9482

18034 MIEGE, E. Les plantes textiles au Maroc. Fruits et Primeurs de l'Afrique du Nord 13: 8-9, 32-33, 79-80, 100-101, 118-119, 181-182, 205-206; 14: 13-14. Jan., Feb., Apr.-June, Nov., Dec. 1943; Jan. 1944. 80 F9482

18035 MUELLO, A. C. El cultivo del yute. Pampa Argentina 18(197): 8. Jan. 1944. 9 P19

18036 NEELY, J. W., and BRAIN, S. G. Varieties of cotton to meet requirements of delta evaluated in a series of field tests. Miss. Farm Res. 7(2): 1, 2, 7. Feb. 1944. 100 M69M1

18037 \*OFITZ, K. Ökologie und züchtung der faserpflanzen lein und hanf. Forschungsdiens, Sonderheft 16, p. 390-397. Berlin, 1942. 18 F772

18038 PEREZ, E. C. Observaciones sobre el cultivo y la explotación de la rosella. Sisal de Yucatán 5(49): 8, 13, 20, 22-23. Jan. 1944. 73.8 S183

18039 \*\*ROMAGNOLI, MARIO. La coltivazione delle ramie nell' azienda sperimentale del R. Istituto Agronomica per l'Africa Italiana. Agr. Colon. [Flor-ence] 36: 33-46, 74-82, 105-112. 1942.  
Abs. in Biol. Abs. 18: 3457. Feb. 1944.

442.8 P526

18040 \*SESSOUS, G. Versuche über die anbauwürdigkeit von Asclepiasarten. Forschungsdiens, Sonderheft 16, p. 397-400. Berlin, 1942. 18 F772  
A. incarnata and A. syriaca.

18041 STAFFORD, W. Linen flax growing. New Zeal. Jour. Agr. 68: 31, 33-36. Jan. 15, 1944. 23 N48J

18042 TAPPY, E. P. The new flax industry of Peru. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 63-72, processed. Mar. 1944. 1.9 Ec7For  
Includes methods of cultivation and harvesting and laws regulating the industry.

#### Forage Crops and Grasses

18043 AHLGREN, H. L., and others. Effectiveness of renovation in increasing yields of permanent pastures in southern Wisconsin. Amer. Soc. Agron. Jour. 36: 121-131. Feb. 1944. 4 Am34P  
M. L. Wall, R. J. Muckenhirn, and F. V. Burcalow, joint authors.

18044 ALFALFA (Medicago sativa). Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 67, Ser. 2, 8 p. n. d. 102 C492

18045 BATHGATE, H. N. Future for sunflowers. Farmers Weekly [London] 20(10): 29. Mar. 10, 1944. 10 F2226

18046 BEETLE, A. A. Meet Kikuyu grass. Pacific Rural Press [North. Ed.] 147: 143. Mar. 4, 1944. 6 P112

Also in Pacific Rural Press [South. Ed.] 147: 143. Mar. 4, 1944. 6 P112A

18047 \*BERKNER, F. Probleme der Ökologie von garfutterpflanzen und futterleguminosen. Forschungsdiens, Sonderheft 16, p. 409-416. Berlin, 1942. Ref., p. 414-416. 18 F772

18048 BISWELL, H. H., FOSTER, J. E., and SOUTHWELL, B. L. Grazing in cutover pine forests of the Southeast. Jour. Forestry 42: 195-198. Mar. 1944. 99.8 F768

18049 BLANCHET, JEAN. La culture de la luzerne. Terre de Chez Nous 16(13): 7, 16. Dec. 29, 1943. 7 T27

18050 BLANCHET, JEAN. La valeur des légumineuses. Terre de Chez Nous 16(11): 7. Dec. 15, 1943. 7 T27

18051 BRIGGS, GLEN. Kudzu in Texas. Prog. Farmer, Tex. Ed. 59(4): 26. Apr. 1944. 6 T311

18052 BRIGGS, I. A. Guar - a summer growing legume in Arizona. Seed World 55(4): 9. Feb. 18, 1944. 61.8 Se52



- 18053 \*BROUWER, W. Züchtung und auslese von luzerne, rotklee, gelbklee, hornklee, steinklee, esparsette und serradella. Forschungsdienst, Sonderheft 16, p. 422-425. Berlin, 1942. 18 F772
- 18054 BUCHNER, ENRIQUE. Mejores pastos. La ventaja del corte oportuno de forrajes para obtener heno de buena calidad. Campesino [Santiago, Chile], 76: 12-14. Jan. 1944. 9.3 Sol2
- 18055 BURTON, G. W. The torch! ... makes shy grasses prolific. Spring burning of Bermuda, Bahia and other grass sods causes prolific seeding. South. Seedman 7(3): 15, 38. Mar. 1944. 61.8 So8
- 18056 CANFIELD, R. H. Measurement of grazing use by the line interception method. Jour. Forestry 42: 192-194. Mar. 1944. 99.8 F768
- 18057 CHAVES, LEOCADIO. Cultura da alfafa. Rev. Rural Bras. 23(280): 40-41. Dec. 1943. 9.2 B733
- 18058 COOK, L. J. Phalaris tuberosa. So. Austral. Dept. Agr. Jour. 47: 246-253. Jan. 1944. 23 So84
- 18059 COSTELLO, D. F. Know your range grasses and plants. Arizona fescue (*Festuca arizonica*). Westerner 7(2): 31, 35. Mar. 1944. 49 W522
- 18060 CROMBIE, B. The breeding of grasses and clovers. Eira. Dept. Agr. Jour. 40: 286-290. Sept. 1943. 10 Ir2J
- 18061 \*DÖRKEN. Luzerne in reinsaat oder gemischt? Landesbauernschaft Niederschles. Wchnbl. 10: 251. Apr. 24, 1943. 18 S13
- 18062 DUNHAM, W. E. Honeybees - clover seed boosters. Canad. Bee Jour. 51: 197, 206. Nov. 1943. 424.8 C16
- 18063 DURÁN, J. J. Chamizo y chaparro. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 54, Ser. 2, 8 p. n. d. 102 C492
- Atriplex canescens and A. semibaccata.
- 18064 ESCOBAR, ABELARDO. La remolacha forrajera. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 71, Ser. 2, 4 p. n. d. 102 C492
- 18065 FERREIRA, E. A., and others. Análise botânica, qualitativa e quantitativa, dos campos, pastos e pradas da região da Inspeção Regional em Pinheiro. Brazil. Escola Nac. de Agron. Bol., No. 3, p. 9-17. 1942. 102.5 R473
- B. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Laune, and José de Paula, joint authors.
- 18066 FINN, HUGH. What Kentish wild white [clover] can do. Farmer & Stock-Breeder 58: 347. Feb. 29, 1944. 10 F228
- 18067 GIBSON, W. S. Mangolds. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 545-548. Mar. 1944. 10 G79J
- 18068 GILL, N. T. Seeds for the long-term ley ...summary of grasses and clovers with alternative varieties. Farmers Weekly [London] 20(9): 28. Mar. 3, 1944. 10 F2226
- 18069 \*GRASSL. Die sommersaaten beim grassamenbau. Landesbauernschaft Bayern. Wchnbl. 133: 379. July 3, 1943. 18 B34W
- 18070 \*GRIESBECK. Jeder bauer muss heuer möglichst viel klee samen selbst erzeugen! Landesbauernschaft Bayern. Wchnbl. 133: 428. July 31, 1943. 18 B34W
- 18071 HENRY, TEOFILO, and BENTANCUR, M. O. Contribución al estudio y adaptación de dos tréboles, *Trifolium subterraneum* y *Trifolium alexandrinum*. Uruguay. Univ. Facult. de Agron. Rev., No. 32, p. 19-32. May 1943. 102.5 M76R
- 18072 HEUSINKVELD, DAVID. Reasons for red clover failure to produce crop. Seed World 55(4): 14. Feb. 18, 1944. 61.8 Se52
- 18073 HOLLOWELL, E. A. New sweet clovers for every need. Successful Farming 42: 20, 64-65. Jan. 1944. 6 Sul2
- 18074 HOSIER, A. J. Kale. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 543-545. Mar. 1944. 10 G79J
- 18075 \*\*JESPERSEN, G. K. Nogle bemærkninger om frøavl af eng-rågræs [Some observations on growing the seed of *Poa pratensis*]. Tidsskr. for Frøavl No. 366, p. 151-153. 1943.
- Abs. in Herbage Abs. 13: 333-334. Dec. 1943. 241 Im733
- 18076 \*JOHANNSON, TH. Resultater av 24 års beitekontroll. Norsk Landbruk 9: 332-333. Dec. 10 1943. 11 M8122
- Pasture improvement.
- 18077 JOHNSON, P. R. Edible cowpeas... comin' up! New, productive strains resist disease. South. Seedman 7(3): 24, 36. Mar. 1944. 61.8 So8
- 18078 \*\*JULÉN, G. Undersökning rörande några olika rödklöverstammars kvantitativa och kvalitativa avkastning vid Svalöf [Study of quantitative and qualitative yield in some different varieties of *Trifolium pratense* at Svalöf]. Nord. Jordbrugsforsk. 1943, No. 1-2, p. 16-46.
- Abs. in Herbage Abs. 13: 314-315. Dec. 1943. 241 Im733
- 18079 \*KNOLL, J. G. Verbesserung der Grünlanderträge und der futterqualität durch pflege- und erntemassnahmen. Forschungsdienst, Sonderheft 16, p. 436-441. Berlin, 1942. Ref., p. 440-441. 18 F772
- 18080 \*KUMAR, L. S. S. Improvement of grasslands. Bombay. Dept. Agr. Leaflet (n. s.) 1943, No. 1, 6 p. Poona, 1943. 22 B63L
- 18081 \*LA ROCHE, WILHELM VON. Rechtzeitige und verlustlose heuernte. Landesbauernschaft Bayern. Wchnbl. 133: 316. May 29, 1943. 18 B34W
- 18082 \*LARSEN, EBNAR. Frøavl og lucerne. Ugeskr. for Landmaend 88: 884-886. Dec. 17, 1943. 11 Ug3
- 18083 \*LOCHMÜLLER, FRITZ. Wie klee samen sparen? Landesbauernschaft Bayern. Wchnbl. 133: 260A. Apr. 24, 1943. 18 B34W
- 18084 MCKEE, ROLAND and RITCHEY, G. E. Nature and uses of the lupine plant. Seed World 55(5): 8-9. Mar. 3, 1944. 61.8 Se52
- 18085 MCPHERSON, G. K. The establishment of pastures on better-class wheat-lands of Ashburton County. New Zeal. Jour. Agr. 68: 115-118. Feb. 15, 1944. 23 N48J
- 18086 MARCÓ, P. R., and MARTÍNEZ DUFOUR, E. A. Plantación de pasto elefante (*Pennisetum purpureum*) por medio de tallos estratificados, en Angel Gallardo, Santa Fé. Rev. Argentina de Agron. 9: 250-253. Sept. 1942. 9 R327
- 18087 MAY, JOHN. The clover seed gamble...account of how an Essex farm harvested clover. Farmers Weekly [London] 20(9): 27, 28. Mar. 3, 1944. 10 F2226
- 18088 \*MEISNER. Rechtzeitige heuernte. Landesbauernschaft Württemb. Wchnbl. 110: 335. May 29, 1943. 18 W96
- 18089 \*\*MELO, L. M. DE. Sobre produção de forragens pelo sistema de Hohenheim. Rev. Agron. [Lisboa] 30: 471. 1942.
- Abs. in Herbage Abs. 13: 306. Dec. 1943. 241 Im733
- 18090 \*NICOLAISEN, W. Probleme der ökologie von luzerne und klee. Forschungsdienst, Sonderheft 16, p. 416-422. Berlin, 1942. 18 F772
- 18091 \*NICOLAISEN, W. Reine luzerne und luzerne-rotklee-gemenge. Landesbauernschaft Niederschles. Wchnbl. 10: 212. Apr. 3, 1943. 18 S13



18092 O'CONNELL, D. Grassland and grasses in Co. Kerry. Éire, Dept. Agr. Jour. 40: 273-279. Sept. 1943. 10 Ir2J

18093 OHIO STATE UNIVERSITY. Honeybees increase clover seed production 15 times. Gleanings Bee Cult. 72: 46-48. Feb. 1944. 424.8 G47

18094 OLDERSHAW, A. W. Peas as a grain crop. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 548-552. Mar. 1944. 10 G79J

18095 \*\*PANSE, ERICH. Möglichkeiten der Steigerung der eiweissleistung bei luzerne durch züchtung auf hohen eiweissgehalt. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 229-274. 1942.

Abs. in Biol. Abs. 18: 3275. Feb. 1944. 442.8 P526

18096 \*PEDERSEN, AXEL. Frøavl af lucerne. Ugeskr. for Landmaend 88: 719-722. Oct. 15, 1943. 11 Ug3

18097 PELLETT, F. C. Bird's-foot trefoil. Amer. Bee Jour. 84: 83-84. Mar. 1944. 424.8 Am3

18098 \*\*POHJAKALLIO, O. Untersuchungen über die resistenz von timothee gegen die trockenperiod. Suomen Maataloustiet. Seura Maataloustiet. Aikakausk. 14: 111-126. 1942.

Abs. in Herbage Abs. 13: 347. Dec. 1943. 241 Im733

18099 PUEYREDON, G. A. El retorno a las praderas. Soc. Rural Argentina An. 72: 847-848. Nov. 1943. 9 Sol

18100 \*RABES, FRITZ. Verstärkt die saatzugzeugung für Landsberger gemenge. Mitt. f. die Landw. 58: 655. Aug. 14, 1943. 18 D48M

18101 \*RABITZ. Esparsette im futterplan des IV. kriegsjahres. Landesbauernschaft Sachsen-Anhalt. Wohnbl. 101: 228. Apr. 17, 1943. 18 Sa9

18102 \*RABITZ. Feldfutter- und grassamenbau. Landesbauernschaft Sachsen-Anhalt. Wohnbl. 101: 493. Sept. 18, 1943. 18 Sa9

18103 \*RUDOLF, W. Züchtungsforschung und pflanzenbauliche untersuchungen an den lupinenarten. Forschungsdienst, Sonderheft 16, p. 428-436. Berlin, 1942. Ref., p. 435-436. 18 F772

18104 \*RUMJANTSEV, V. I. Kvoprosu prodvzheniya liutserny na krainiy sever [About the acclimatization of alfalfa to the extreme north]. In Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa, p. 405-412. Moskva, 1942. 56 Ak12

18105 \*\*SKOVGAARD, O. S. Rødkløverens bestøvning og bestøvere [Trifolium pratense, its pollination and pollinators]. Tidsskr. for Frøavl No. 370, p. 251-254. 1943.

Abs. in Herbage Abs. 13: 353. Dec. 1943. 241 Im733

18106 TAYLOR, C. R. Lucerne growing in the Rotorua district. New Zeal. Jour. Agr. 68: 27-30. Jan. 15, 1944. 23 N48J

18107 \*TRITSCHLER. Kleeluzerneanbau. Landesbauernschaft Bayern. Wohnbl. 133: 260A. Apr. 24, 1943. 18 B34W

18108 \*WAHLEN, F. F. Anbauversuche mit verschiedenen futterkohlartern. Landw. Jahrb. der Schweiz 57: 631-646. 1943. 17 L23

#### Oil Crops

18109 AJONJOLI. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 69, Ser. 2, 8 p. n. d. 102 C492

18110 \*BURR. Noch mehr Ölfrüchte. Landesbauernschaft Württemb. Wohnbl. 110: 369. June 19, 1943. 18 W96  
Rape culture.

18111 COMIN, DONALD. The edible soybean as a market garden crop. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 75-79. 75.9 Oh3

18112 DU SAUTOY, W. Essentials for economic tung-tree culture. The question of budwood and seedlings. Farmer's weekly [Bloemfontein, 66: 786-787. Jan. 12, 1944. 24 F225

18113 \*ENGELKE. Der oelfruchtanbau im protektorat. F. O. Licht. Deut. Ber. 82: 155a-158. Sept. 2, 1943. 66.8 L61A

18114 HIGUERILLA. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 68, Ser. 2, 8 p. n. d. 102 C492

18115 KRUG, C. A., MENDES, P. T., and SOUSA, A. F. DE. Melhoramento da mamoneira. III. Primeira serie de ensaios de variedades (1937/38-1938/39). Bragantia 3: 85-122. May 1943. 102.5 B73Tb

18116 \*MASSA, LUIGI. Esperimenti di coltura dell'Aleurites nell'Africa Orientale Italiana. Agr. Colon. [Florence] 36: 183-187. 1942.

Abs. in Biol. Abs. 18: 3423. Feb. 1944. 442.8 P526

18117 MERRILL, SAMUEL, JR. Characteristics in the nursery of tung progenies from open-pollinated seed of one hundred sixty-nine parent trees. Amer. Soc. Hort. Sci. Proc. 43: 149-154. Nov. 1943. 81 Sol2

18118 MEYER, A. C. Tungue - Mamoneira - Amendoim. Rev. Rural Bras. 23(280): 34-35. Dec. 1943. 9.2 B733

18119 MURPHY, R. P. Montana flax seed for 1944. Mont. Farmer 31(13): 15. Mar. 1, 1944. 6 M764

18120 NEME, N. A. Amendoim nhambiquara. Bragantia 3: 131-132. June 1943. 102.5 B73Tb

18121 \*NEUNER. Die bedeutung des bienenbefluges für den rapsbau. Landesbauernschaft Bayern. Wohnbl. 133: 260A. Apr. 24, 1943. 18 B34W

18122 \*ROSSEK. Die sojabohne und deren hauptanbauegebiete im Deutschen Reich. F. O. Licht. Deut. Ber. 82: 150-152. Aug. 19, 1943. 66.8 L61A

18123 \*SCHAEFFLER, H. Ergebnisse langjähriger saatzeit-, drillweite- und saatstärkeversuche mit winterraps und winterrübsen. Landesbauernschaft Bayern. Wohnbl. 133: 427A. July 31, 1943. 18 B34W

18124 SCHRADER, P. G. Penny cress [Thlaspi arvense], a promising new paint vehicle. Amer. Paint Jour. 28(23): 54, 56-57, 60, 64. Mar. 6, 1944. 306.8 Am32

18125 \*SESSOUS, G. Stand und ziel von anbau und züchtung der soya. Forschungsdienst, Sonderheft 16, p. 400-403. Berlin, 1942. 18 F772

18126 \*SESSOUS, G. Die vereinfachung des mohnanbaues. Forschungsdienst, Sonderheft 16, p. 404-405. Berlin, 1942. 18 F772

18127 \*STEIGERWALD. Wichtige regeln für die ernte von raps und rübsen! Landesbauernschaft Bayern Wohnbl. 133: 353. June 19, 1943. 18 B34W

18128 \*WAGNER, FRIEDRICH. Wir bauen noch mehr sommerraps. Landesbauernschaft Bayern Wohnbl. 133: 247A. Apr. 17, 1943. 18 B34W

18129 \*WENCK, H. H. Verlustlose rapsernte. Landesbauernschaft Sachsen. Wohnbl. 91: 284. June 19, 1943. 18 Sal

#### Sugar Crops

18130 ANDRADE, D. X. DE. Variedades de cana cultivadas no Nordeste. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10: 33-44. Mar. 1943. 9.2 F423

18131 CAMINHA FILHO, ADRIÃO. A lavoura canavieira e a industria do açúcar no Brasil. Brasil Açucareiro 22: 461-467. Dec. 1943. 65.8 B73

Includes causes for diminished yields in cane and the organization of experiment stations.



- 18132 CARSONER, EUBANKS. The sugar beet in Europe and America. N. Y. Bot. Gard. Jour. 45: 25-31. Feb. 1944. 451 N48J
- 18133 \*MATHUR, V. S. Sugar-cane in western U. P. Indian Geog. Jour. 18: 113-122. July/Sept. 1943. Noted in Amer. Geog. Soc. Cur. Geog. Pub. 7: 57. Mar. 1944. 241.6 Am3
- 18134 RAYNS, F. Sugar beet. Sugar Jour. 6(9): 3-6, 17-18. Feb. 1944. 65.8 Su391
- 18135 RODRIGUES FILHO, ANTONIO. Cana de açúcar. Rev. Rural Bras. 23(280): 20-23. Dec. 1943. 9.2 B733
- 18136 \*RÜDINGER, HANS. Anbaumassnahmen im zuckerrübenanbau 1943. Zuckerindustrie 1: 7-9. Apr. 17, 1943. 65.8 Z8
- 18137 \*RÜDINGER, HANS. Erfahrungen und beobachtungen mit einkeimigem zuckerrübensamen. F. O. Licht. Deut. Ber. 82: 65a-66. Mar. 18, 1943. 66.8 L61A

#### Tobacco

- 18138 CAMPOS, M. M. DE. Cultura do fumo. Chacaras e Quintais 68: 749-751. Dec. 15, 1943. 9.2 C34
- 18139 HUNT, RUSSELL. Plantbeds [tobacco]. Prog. Farmer, Ky.-Tenn. Ed. 59(3): 14, 20. Mar. 1944. 6 P94sK

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

- 18140 BEMIS, C.H. Tannery city [Woburn, Mass.] turns to hothouse flowers and vegetables. New England Homestead 117(5): 3, 6, 10. Mar. 11, 1944. 6 N442
- 18141 BEST, GORDON. Fruits from the Vineland Station: experimental work in originating new varieties of fruit and vegetables. Farmer's Mag. 41(3): 9, 42. Mar. 1944. 7 C165
- 18142 BEVANÇON, L. La production des porte-greffe en Algérie. Fruits et Primeurs de l'Afrique du Nord 12: 117-118. May 1942. 80 F9482
- 18143 CHICAGO, ILLINOIS, PARK DISTRICT. Gardening--modern three-faced Janus. Recreation 37: 647-651, 698. Mar. 1944. 280.68 P69
- 18144 FARAUDD, LOUIS. L'horticulture en temps de guerre. Hort. Românească 17(9/10): 12. Sept./Oct. 1939. 80 R328
- 18145 FULWOOD, MRS. P. D. Vegetables and roses. Amer. Rose Ann. 1944: 27-28. 81 Am31A
- 18146 GOVE, L. C. The value of a garden plan. Horticulture 22: 135. Mar. 15, 1944. 80 H787
- 18147 \*HAHN. Ein weiterer doppelkasten mit glasteilwänden. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 233. Sept. 17, 1943. 80 G196
- 18148 \*HAHN, EUGEN. Gartenbauliches aus Rumänien. I-II. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 250-251, 263. Oct. 15, 29, 1943. 80 G196
- 18149 \*HAHN, EUGEN. Eine praktische neuerung für die obsternte. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 212-213. Sept. 3, 1943. 80 G196
- 18150 HOLLEY, D. D. Interesting breeding work [with flowers and tomato], at University of New Hampshire. Florists' Exch. 102: 7. Mar. 11, 1944. 80 F666
- 18151 KEITH, G. C. Ontario Horticultural [Association] convention emphasizes importance of Victory gardens. Canad. Hort. & Home Mag. Floral Ed. 67: 49-50, 60-63. Mar. 1944. 80 C16F
- 18152 LARSEN, G. H., and REBOUR, H. Le contrôle de la taille par le propriétaire. Fruits et Primeurs de l'Afrique du Nord 13: 3-6. Jan. 1943. 80 F9482
- Pruning of fruit trees.
- 18153 \*MADEN, R. Z. Toplu meyvacılık bilgisi [horticulture]. Turkey. Ziraat Vekâleti. Nesriyat. U. Sayı 564, 99 p. Ankara, 1943. 25 T842
- 18154 \*MEIER. Gemeinschaftsanbau oder pflanzen-garten? Schweiz. Gart., No. 8, p. 214-217. Aug. 1943. 80 Sch93
- 18155 \*MEIER, KURT. Bericht der eidgenössischen versuchsanstalt für obst-, wein-, und gartenbau in Wädenswil für das Jahr 1940. Landw. Jahrb. der Schweiz 57: 419-461. 1943. 17 L23
- 18156 MORA PEREZ, FAUSTO. Multiplicación artificial. Injertos. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 70, Ser. 2, 8 p. n. d. 102 C492
- 18157 \*NOTH, H. H. Auch der garten soll vor winter in ordnung sein. Landesbauernschaft Württemb. Wchnbl. 110: 599. Oct. 30, 1943. 18 W96
- 18158 PATTERSON, C. F. Fruit growing in Saskatchewan. Saskatchewan Farmer 35(5): 12, 13. Mar. 1, 1944. 7 Sa74
- 18159 \*QUADRI, C. Der anzuchttopf. Schweiz. Gart., No. 3, p. 74-78. Mar. 1943. 80 Sch93
- Methods of transplanting of seedlings described.
- 18160 \*QUAST, W. Die gemüse- und obsterzeugung 1943. Getreide, Saaten, Dünger u. Futtermarkt 49 (2): 4-5. Jan. 23, 1943. 286.81 Sal
- Cultivation methods.
- 18161 \*QUAST, WALTER. Mehr obst - mehr bäume - mehr unterlagen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 229. Oct. 1, 1943. 80 G196
- 18162 REBOUR, H. "L'arbre qu'il faut à la place qui lui convient." Besoin en eau des arbres fruitiers. Fruits et Primeurs de l'Afrique du Nord 13: 117. June 1943. 80 F9482
- 18163 REBOUR, H. Les cultures intercalaires dans les vergers. Fruits et Primeurs de l'Afrique du Nord 13: 80-81. Apr. 1943. 80 F9482
- 18164 REBOUR, H. Planteurs! Mettez l'arbre qu'il faut à la place qui lui convient. Fruits et Primeurs de l'Afrique du Nord 13: 24-27. Feb. 1943. 80 F9482
- 18165 \*REINHOLD, J. Die arbeit der reichsarbeitsgemeinschaft "Gartenbau." Forschungsdienst, Sonderheft 16, p. 443-451. Berlin, 1942. 18 F772
- 18166 \*RIEBOLD, H. Ein wertvolles hilfsmittel in der vermehrung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 248. Oct. 15, 1943. 80 G196
- Ashes used in rooting cuttings of ornamental plants and storing seed.
- 18167 \*THIELE, K. P. Bevor der neue anbau beginnt - erst die häuser gründlich vorbereiten! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 255-256. Oct. 29, 1943. 80 G196
- 18168 WARD, W. B. Feeding the family from the [Victory] garden. Ind. Farmers Guide 100(6): 10. Mar. 15, 1944. 6 In2
- 18169 \*WELCHERT. Obstbau im frühjahr. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 257. May 1943. 18 Sa9
- 18170 WORK, PAUL. What to plant in the 1944 Victory garden. What's New in Home Econ. 8(7): 22-23, 90, 92. Mar. 1944. 321.8 W55
- 18171 WYMAN, DONALD. Short guide to care of the garden during war time. Arnoldia 4: 9-16. Mar. 24, 1944. 561 Ar6Ba
- Includes spray program for insect and disease control.



Citrus and Subtropical Fruits

- 18172 AUGUSTE, A. Les plantations d'agrumes en Algérie au cours de la campagne 1941-1942. Fruits et Primeurs de l'Afrique du Nord 13: 36-37. Feb. 1943. 80 F9482
- 18173 BEIRNAERT, A. Nieuwere wegen in de cultuurtechniek van warme landen. Bul. Agr. du Congo Belge 33: 55-68. Mar./June 1942. 24 K83
- 18174 BHAT, S. S. Nursery practices of mango grafting. Indian Farming 4: 254-256. May 1943. 22 In283
- 18175 BRICHET, J. En parcourant les jeunes orangeries abimées par le siroco d'Octobre-Novembre dernier, en compagnie de leurs propriétaires. Fruits et Primeurs de l'Afrique du Nord 13: 50-51. Mar. 1943. 80 F9482
- 18176 BRICHET, J. Le grenadier et les grenades, culture et production de demain. Fruits et Primeurs de l'Afrique du Nord 12: 115-116. May 1942. 80 F9482
- 18177 BRICHET, J. Nos orangeries sous les froids de l'hiver. Fruits et Primeurs de l'Afrique du Nord 14: 6-8. Jan. 1944. 80 F9482
- 18178 BRICHET, J. Question de figues. Régression de la qualité commerciale, ses causes et ses conséquences. Comment y remédier. Fruits et Primeurs de l'Afrique du Nord 13: 111-113. June 1943. 80 F9482
- 18179 CITRUS de producción tardía. Corp. Fruticola Argentina 9(102): 21. June 30, 1943. 83 C81
- Reprinted from Noticias Gráficas, May 31, 1943.
- Tests of Lue Gim Gong and King of Siam in the Delta region of Argentina.
- 18180 CONDIT, I. J. Facts about figs; their culture in California. Amer. Fruit Grower 64(3): 14, 26, 28. Mar. 1944. 80 G85
- 18181 FAIRCHILD, DAVID. In defense of the Bael fruit, Aegle marmelos. Fla. State Hort. Soc. Proc. (1943) 56: 165-171. 81 F66
- 18182 GARDNER, F. E., and PIPER, R. B. Base of propagation of some subtropical fruits by cuttings from young seedlings. Fla. State Hort. Soc. Proc. (1943) 56: 124-126. 81 F66
- 18183 GREIG, A. M. W. Pruning of citrus trees. New Zeal. Jour. Agr. 68: 119-122. Feb. 15, 1944. 23 N48J
- 18184 GROFF, G. W. Some ecological factors involved in successful lychee culture. Fla. State Hort. Soc. Proc. (1943) 56: 134-155. 81 F66
- 18185 HODGSON, R. W., and CAMERON, S. H. Some instances of scion dominance in citrus. Amer. Soc. Hort. Sci. Proc. 43: 131-138. Nov. 1943. 81 Sol2
- 18186 KING, J. B. Commercial papaya culture in Pinellas County. Fla. State Hort. Soc. Proc. (1943) 56: 129-131. 81 F66
- 18187 KUMAR, L. S. S., and ABRAHAM, A. The papaya, its botany, culture and uses. Bombay Nat. Hist. Soc. Jour. 44: 252-256. Dec. 1943. 513 B63
- 18188 LARSEN, G. H. L'improductivité du clémentinier. Fruits et Primeurs de l'Afrique du Nord 13: 188. Nov. 1943. 80 F9482
- 18190 PALMER, D. F. Report of Subtropical Fruit Committee. Calif. Avocado Soc. Yearbook 1943: 17-18. 81 C128
- 18191 PIPER, R. B., and GARDNER, F. E. Comparative seasonal development of avocado fruits and seeds. Fla. State Hort. Soc. Proc. (1943) 56: 122-124. 81 F66
- 18192 POPENOE, WILSON. Importantes frutas tropicales. El aguacate o palta. Puerto Rico. Dept. Agr. and Com. Bol. Mens. 2(7): 3-5. July 1943. 8 P963

- 18193 POPENOE, WILSON. Importantes frutas tropicales. El caimito Chrysophyllum cainito L. Puerto Rico. Dept. Agr. y Com. Bol. Mens. 2(11): 15. Nov. 1943. 8 P963
- 18194 RADEBAUGH, D. S. Growing Cayenne pineapples in central Florida. Fla. State Hort. Soc. Proc. (1943) 56: 131-133. 81 F66
- 18195 RANA, EDUARDO. Cultivo del guayabo. Campo [Argentina] 28(326): 42-43, 62, 68. Dec. 1943. 9 C15
- 18196 REBOUR, H. Travail du sol dans les vergers. Fruits et Primeurs de l'Afrique du Nord 13: 78. Apr. 1943. 80 F9482
- 18197 ROUNDS, M. B. 1943 observations of avocado varieties. Calif. Avocado Soc. Yearbook 1943: 13. 81 C128
- 18198 RYERSON, K. A. Avocado reminiscences. Calif. Avocado Soc. Yearbook 1943: 71-75. 81 C128

Deciduous Fruits

- 18199 BAHRINCeanu, DIMITRIE. Constatare din judet. Hort. Românească 17(11/12): 23-24. Nov./Dec. 1939. 80 R328
- Fruit culture.
- 18200 BEACH, F. H. Orchard problems. They are manifold - both now and after the war. East. Fruit Grower 6(12): 6, 11, 14, 18-19, 22. Feb. 1944. 80 Ea73
- 18201 BLAKE, M. A., JOHNSTON, STANLEY, and VAN HAARLEM, J. R. New varieties of peaches. Rural New-Yorker 103: 153, 160. Mar. 18, 1944. 6 R88
- 18202 BOHME. Das edelreis bricht leicht aus. Deut. Gart. 58: 55. May 1943. 80 P883
- Grafting precautions for deciduous fruits.
- 18203 BRICHET, J. L'exploitation commerciale du poirier en Algérie. Fruits et Primeurs de l'Afrique du Nord 13: 96-99. May 1943. 80 F9482
- 18204 BRYNER, W. Zur wahl des saatzgutes für die anzucht von apfelunterlagen. Schweiz. Obst- u. Weinbau 52: 546. Oct. 9, 1943. 80 Sch9
- 18205 BURKHOLDER, HIRAM. A veteran orchardist's notes on apple and plum varieties. Ohio Farmer 193(6): 13. Mar. 18, 1944. 6 Oh3
- 18206 BUTTERFIELD, H. M. Pears grown by the Spanish in California. Blue Anchor 21: 36. Feb. 1944. 286.83 B62
- 18207 CHAPMAN, ASHTON. Dwarf fruit trees for a limited space. How small plots may be used to increase food production. Home Gard. for the South 4: 28-29, 33. Feb. 1944. 80 H755
- 18208 CONSTANTINESCU-ISMAIL, N. Contribuțiuni la studiul autofertilității și interfertilității la diferitele varietăți de pruni. Hort. Românească 17(9/10): 2-4. Sept./Oct. 1939. 80 R328
- 18209 GARNER, R. J. Propagation by cuttings and layers. Recent work and its application, with special reference to pome and stone fruits. Imp. Bur. Hort. and Plantation Crops Tech. Commun. 14, 79 p. Jan. 1944. 241 Im72
- 18210 HATTON, R. G. New [improved] orchards for old. Land Union Jour. 41: 6-8. Jan./Feb. 1944. 282.8 L22
- 18211 HÜLSMANN, B. Fortschritte der obstunterlagen-forschung. Forschungsdienst, Sonderheft 16, p. 481-488. Berlin, 1942. 18 F772
- 18212 HULTSCH, M. Jetzt "musterung" der obstbäume wichtig. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 504. Sept. 25, 1943. 18 Sa9
- 18213 JORDAN, E. Die grundregeln der kernobsternte. Ztschr. f. Obst- Wein- u. Gartenbau 69: 78-79. Sept. 1, 1943. 80 Z3
- 18214 KAUFMANN, F. Die okulation der obstgehölze. Schweiz. Gart. No. 11, p. 294-296. Nov. 1943. 80 Sch93



- 18215 KELSALL, A. Do we need new apple varieties? *Marit. Farmer and Coop. Dairyman* 49(12): 3, 20. Mar. 21, 1944. 7 C77
- 18216 \*KÖRNER, C. Die bedeutung der bienenzucht für den obst- und samenbau. *Preuss. Bienen Ztg.* 89: 34-35. June 1943. 424.8 P92
- 18217 \*KUPPERS, HELLMUTH. Die obstbauliche forschung als wegbereiterin zum feldmässigen obstanbau. *Deut. Obstbau* 58: 188, 191. Nov. 1943. 80 M73A
- 18218 LAGLOIRE, PELLETIN. Nouvelles variétés de pommes. *Bul. des Agr.* 40(3): 23. Mar. 1944. 7 B872
- 18219 LARSEN, G. H. Les éléments de réussite des cultures fruitières en Algérie. I. Les facteurs culturaux. *Fruits et Primeurs de l'Afrique du Nord* 13: 178-179. Nov. 1943. 80 F9482
- 18220 LESLEY, J. W. New peach varieties for a subtropical climate. *Calif. Citrog.* 29: 138. Mar. 1944. 80 C125
- 18221 \*LOEWEL, E. L. Apfelenbau auf geest- und marschboden. *Deut. Obstbau* 58: 149-151. Sept. 1943. 80 M73A
- 18222 \*LOEWEL, E. L., and VAHL, E. VON. Frucht-fall als sorteneigenschaft bei äpfeln. *Deut. Obstbau* 58: 193-194. Nov. 1943. 80 M73A
- 18223 \*LOEWEL, E. L. Über die bedeutung des stammbildners für den hochstamm. *Forschungsdienst, Sonderheft* 16, p. 488-491. Berlin, 1942. 18 F772
- 18224 LOREE, R. E. Pruning fruit trees in the home garden and orchard. *Hort. News* 10: 26. Mar. 1944. 80 H7815
- 18225 \*LUDWIGS. Wasser ist ein wichtiges element für unsere bäume. *Deut. Gart.* 58: 55. May 1943. 80 P883
- 18226 MCCRORY, S. A. Fruit tree pruning in South Dakota. *N. and S. Dak. Hort.* 17: 41. Mar. 1944. 81 N817
- 18227 \*MEYER, E. Neue wege zur unterlagenbeschaffung in obstbaumschulen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 237-238. Oct. 1, 1943. 80 G196
- 18228 MEYER, H. M. Bruce plums, an east Texas crop. *Farm and Ranch* 63(3): 21. Mar. 1944. 6 F31
- 18229 NUSSEY, A. N. Pruning apple trees. *Macdonald Col. Jour.* 4(6): 4. Feb. 1944. 101 M144
- 18230 \*PLOCK, H. Die unterlage bei quitte. *Deut. Obstbau* 58: 200. Nov. 1943. 80 M73A
- 18231 \*PLOCK, H. Die verträglichkeit der Prunus myrobalana alba. *Deut. Obstbau* 58: 158, 161. Sept. 1943. 80 M73A
- 18232 \*PLOCK, H. Wie verbessern wir die kulturverfahren in der baumschule? *Deut. Obstbau* 58: 194, 197. Nov. 1943. 80 M73A
- Directions for fruit cultivation.
- 18233 PONCE, J. R. El peral. *Rev. Nac. de Agr. [Bogotá]* 37(474): 21-22. Dec. 1943. 9.4 R32
- 18234 PUNGOCI, IULIAN. Observațiuni cu privire la pastrarea ochilor de piersic în școlile de pomi. *Hort. Românească* 17(9/10): 4-7. Sept./Oct. 1939. 80 Re28
- 18235 REBOUR, H. La taille du pêcher. *Fruits et Primeurs de l'Afrique du Nord* 14: 11. Jan. 1944. 80 F9482
- 18236 \*RODER, FRITZ. Was nützen die bienen dem obstbauer? *Schweiz. Bienen Ztg.* 66: 382. Sept. 1943. 424.8 Sch9
- 18237 \*RUDOLF, W. Züchtungsforschung an den obstarten (edelsorten). *Forschungsdienst, Sonderheft* 16, p. 472-481. Berlin, 1942. Ref., p. 480-481. 18 F772
- 18238 SCHIERHOLTZ, G. Y. An orchard in sixty below country [Alberta]. *Canad. Countryman* 33(5): 18. Mar. 4, 1944. 7 C833
- 18239 \*SCHILLING, KARL. Unterkulturen im obstbau. *Ztschr. f. Obst- u. Wein- u. Gartenbau* 69: 80. Sept. 1, 1943. 80 Z3
- 18240 \*SCHMITZ-HUBISCH, HANS. Was der obstbau braucht und nicht braucht. *Deut. Obstbau* 58: 151-152. Sept. 1943. 80 M73A
- 18241 SCHRADER, A. L., and HAUT, I. C. Peach varieties: what's in the future? *Peninsula Hort. Soc. [Del.] Trans.* (1943) 57: 32-36. 81 P37
- 18242 SHEWELL-COOPER, W. E. What is happening to fruit tree raising? *Field* 183: 50. Jan. 8, 1944. 10 F45
- 18243 SOUTHWICK, LAWRENCE. Planting fruit trees. *New England Homestead* 117(5): 20-21. Mar. 11, 1944. 6 N442
- 18244 TUKEY, H. B., and BRASE, K. D. The congeniality of some American varieties of apples on Malling rootstocks. *Amer. Soc. Hort. Sci. Proc.* 43: 143-146. Nov. 1943. 81 Sol2
- 18245 TUKEY, H. B., and BRASE, K. D. An uncongeniality of the McIntosh apple when top-worked onto Virginia crab. *Amer. Soc. Hort. Sci. Proc.* 43: 139-142. Nov. 1943. 81 Sol2
- 18246 VAN DOREN, A. Pruning peaches. *[N. Y.] Orange Co. Farm Bur. News* 21(2): 1-2. Feb. 1944. 275.293 N. Y. Orange Co.
- 18247 VIERHELLER, A. F. Pruning the orchard following the past year's freeze and drought conditions. *Peninsula Hort. Soc. [Del.] Trans.* (1943) 57: 20-24. 81 P37
- 18248 WALSH, T. J. Cider [apple] orchard development in South Tipperary. *Fire. Dept. Agr. Jour.* 40: 257-266. Sept. 1943. 10 Ir2J
- 18249 \*WELCHERT. Ertragreicher apfelenbau in landwirtschaftlichen betrieben. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 532. Oct. 9, 1943. 18 Sa9
- 18250 \*WINKELMANN. Winke für die spätobsternte. *Landesbauernschaft Württemb. Wchnbl.* 110: 515. Sept. 11, 1943. 18 W96
- 18251 WOLFE, H. S. Care of new orchard plantings. *Fla. Grower* 52(3): 13, 19. Mar. 1944. 80 F6622
- 18252 WOBBURN, RUSSELL. To orchardists: hill-tops warmer at frost periods. *Miss. Farm Res.* 7(2): 7. Feb. 1944. 100 M69M1
- 18253 \*ZULAUF, HERMANN. Standortbesinnung im obstbau 1943. *Schweiz. Gart., No. 9*, p. 232-243. Sept. 1943. 80 Sch93
- Nuts
- 18254 \*BRYNER, W. Ueber das veredeln von nussbäumen. *Schweiz. Ztschr. f. Obst- u. Weinbau* 52: 485-490. Aug. 28, 1943. 80 Sch9
- 18255 CASARRUBIO, ANTONIO. Perspectivas del cultivo del almendro en Liendoza. *Chacra* 14(159): 18-19. Jan. 1944. 9 C34
- 18256 SLATE, G. L. Pollination of the Persian walnut. *Amer. Fruit Grower* 64(3): 17. Mar. 1944. 80 G85
- 18257 SOTO, J. N. Siembra del marañon y preparación de sus semillas para el mercado. *Rev. de Agr. y Com. [Panama]* 3(28): 20-21. Dec. 1943. 8 R3291
- 18258 SUÁREZ, P. A. El merco Anacardium occidente, como materia prima de algun interés en la producción de aceites vegetales. *Agr. Venezolano* 8(89/90): 33-35. Sept./Oct. 1943. 9.95 Ag8



Ornamental Plants

18259 ALDEN, C. B. Planning and planting perennials. *Canad. Hort. & Home Mag. Floral Ed.* 67: 53, 63-65. Mar. 1944. 80 C16F

18260 ALLEN, R. C., and ASAI, G. N. Continued rose research at Cornell. *Amer. Rose Ann.* 1944:133-137. 81 Am31A

18261 BEILMANN, A. P. Boxwood in Missouri. *Mo. Bot. Gard. Bul.* 32: 56-65. Mar. 1944. 451 M69B

18262 BERRY, G. H. Gentians for autumn. *Alpine Gard. Soc. Quart. Bul.* 11: 220-231. Dec. 1943. 84 A16

18263 BIRKETT, EDGAR. The old pink moss rose. *Amer. Rose Ann.* 1944: 43-45. 81 Am31A

18264 BLACKBURN, BEN. Magnolias as garden shrubs. *Horticulture* 22: 97-98. Mar. 1, 1944. 80 H787

18265 \*BODENMÜLLER, M. Neue Lorraine-begonie Westfalenland. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 224. Sept. 17, 1943. 80 G196

18266 BOND, A. P. A tyro - the first three years [as an alpine gardener]. *Alpine Gard. Soc. Quart. Bul.* 11: 231-236. Dec. 1943. 84 A16

18267 BROWN, J. R. Window leaves of *Haworthia maughani* and *H. truncata*. *Desert Plant Life* 16: 12. Jan. 1944. 450 D45

18268 \*BÜRKERT, H. Eine hübsche Kaukasuslilie. *Deut. Gart.* 58: 64. June 1943. 80 P883  
*Lilium monadelphum szovitzianum*.

18269 \*BUROW. Neues in strahlenförmigen chrysanthemen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 260-261. Oct. 29, 1943. 80 G196

18270 BUXTON, B. R. Simple propagating methods [for ornamental plants]. *Horticulture* 22: 138. Mar. 15, 1944. 80 H787

18271 BUXTON, MRS. B. W. The curious *Ceropegia*. *Horticulture* 22: 109-110. Mar. 1, 1944. 80 H787

18272 CAVE, N. L. The naming of iris. *Amer. Iris Soc. Bul.* 92, p. 34-37. Feb. 1944. 81 Am39

18273 CHADWICK, L. C. Shade trees in post-war times. *N. J. Fed. Shade Tree Comm. Monthly Bul.* 16(8): 2; (9): 2-3; (10): 2. Aug.-Oct. 1943. 99.8 Sh1

Also in *Arborist's News* 9: 17-19. Mar. 1944. 99.8 Ar14

18274 CLARK, A. M. Begonia Chiala. *Begonian* 11: 278-279. Mar. 1944. 96.511 B39

18275 COLQUITT, MRS. ALVAH. A comparison of performance of tree and bush roses. *Amer. Rose Ann.* 1944: 69-70. 81 Am31A

18276 CONNORS, C. H. Handle them right and make them live. Pointers on spring planting of shrubs and trees. *Home Gard. [N.Y.]* 3(3): 27-29. Mar. 1944. 80 H756

18277 COOK, H. C. Some Primulas. *Alpine Gard. Soc. Quart. Bul.* 11: 202-211. Dec. 1943. 84 A16

18278 COOK, MRS. H. C. Steubenville, Ohio, rose-garden. *Amer. Rose Ann.* 1944: 15-16. 81 Am31A

18279 BAGULEY, N. G. Mainly of *Gentiana verna*. *Alpine Gard. Soc. Quart. Bul.* 11: 236. Dec. 1943. 84 A16

18280 CRAWFORD, DARRELL. The dazzling day-lilies. (To be cont.) Back to Eden 10(9): 1-2. Apr. 1944. 80 B12

18281 CROOK, H. C. The smaller penstemons. *Alpine Gard. Soc. Quart. Bul.* 11: 237. Dec. 1943. 84 A16

18282 DANIEL, R. W. Rooting cuttings [*Berberis bealei*]. *Alpine Gard. Soc. Quart. Bul.* 11: 239-240. Dec. 1943. 84 A16

18283 DARNELL, MRS. J. C. *Gloxinia*. Back to Eden 10(9): 3. Apr. 1944. 80 B12

18284 DAVIS, A. M. Bechtel's crab *Malus ioensis plena*, on clonal stock. *Horticulture* 22: 133. Mar. 15, 1944. 80 H787

18285 DELWORTH, CECIL. Profit pitfalls in the production of chrysanthemums. *Chrysanthemum Soc. Amer. Bul.* 12: 3-6, processed. Feb. 1944. 81 C46B

18286 DEMPSEY, PAUL. Growing morning glory plants. *Horticulture* 22: 105. Mar. 1, 1944. 80 H787

18287 DOUGLAS, GEDDES. Prelude to pink *iris*. *Amer. Iris Soc. Bul.* 92, p. 38-49. Feb. 1944. 81 Am39

18288 DUNCOMB, MARY. Growing begonias in south-west Minnesota. *Begonian* 11: 285. Mar. 1944. 96.511 B39

18289 DUNKLE, M. B. Rex begonias and other rhizomatous forms, their propagation and culture. *Amer. Begonia Soc. Spec. Bul.* 3, 3d Rev., 8 p. Long Beach, Calif., n.d. 96.511 Am3

18290 DYCKMAN, H. P., WALKER, J. P., and DUNKLE, M. B. Fibrous begonias, their propagation and culture. *Amer. Begonia Soc. Spec. Bul.* 2, 4th Rev., 8 p. Long Beach, Calif., n.d. 96.511 Am3

18291 \*EISELT, M. *Populus alba bolleana*. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 262. Oct. 29, 1943. 80 G196

18292 EVANS, F. N. Sacramento municipal rose-gardens. *Amer. Rose Ann.* 1944: 20-21. 81 Am31A

18293 EVANS, MARY. Evergreens for foundations. *House and Gard. [Greenwich, Conn.]* 85(4): 69-71. Apr. 1944. 80 H81

18294 FARAUDE, L. *Indrumari la cultura primulelor*. *Hort. Românească* 17(11/12): 6-8. Nov./Dec. 1939. 80 R328

*Primulas*.

18295 FOSTER, M. B. Lazy gardener's dream-come-true; more about bromeliads. *Home Gard. for South* 4: 24-25, 40. Feb. 1944. 80 H755

18296 FRANCO, C. M. Propagação de orquídeas por sementes. *Bragantia* 2: 249-257. July 1942. 102.5 B73Tb

18297 FREE, MONTAGUE. It's time to start some new house plants. *Home Gard. [N.Y.]* 3(3): 18-21. Mar. 1944. 80 H756

18298 FREE, MONTAGUE. The rose-garden at the Brooklyn Botanic Garden. *Amer. Rose Ann.* 1944: 9-11. 81 Am31A

18299 FRIEDMAN, MARTIN. Bulb growing in England as an American soldier sees it. *Florists Exch.* 102(13): 22, 48. Mar. 25, 1944. 80 F666

18300 GATKE, R. M. Success with the acid soil shrubs. *Northwest. Gard.* 11(2): 15-16, 21. Feb. 1944. 80 N813

18301 GILLIES, G. H. The rose-garden at the New York Botanical Garden. *Amer. Rose Ann.* 1944: 11-15. 81 Am31A

18302 GIRIDLIAN, J. N. *Sprekelia formosissima* ... Jacobean Aztec lily. *Home Gard. for South* 4: 32. Feb. 1944. 80 H755

18303 GIRIDLIAN, J. N. The unusual iris in southern California. *Amer. Iris Soc. Bul.* 92, p. 30-32. Feb. 1944. 81 Am39

18304 GOVAN, C. N. The Russian olive [*Elaeagnus angustifolia*]. *Gard. Club Amer. Bul.* 21, p. 38-39. Mar. 1944. 90.36 G16

18305 GRANT, J. A. Herbaceous borders on the northwest coast, with some suggestions for suitable shrubbery and other backgrounds. *Home Gard. [N.Y.]* 3(3): 63-65. Mar. 1944. 80 H756



- 18306 GREEVES-CARPENTER, C. F. Tree planting and maintenance. *Canad. Hort. & Home Mag. Floral* Ed. 67: 54-55. Mar. 1944. 80 G16F
- 18307 GRUENBAUM, M. C. Tuberous rooted begonias in Philadelphia. *Begonian* 11: 271, 282. Mar. 1944. 96.511 B39
- 18308 \*GRÜNERT. Kniphofia snowdenii. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 214. Sept. 3, 1943. 80 G196
- 18309 \*GRÜNERT, CHR. Ueber Chrysanthemum koreanum. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 261. Oct. 29, 1943. 80 G196
- 18310 \*HAGEMANN, H. Zwei neue Heliopsis. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 261-262. Oct. 29, 1943. 80 G196
- 18311 \*HAHN. Aeusserste raumausnutzung - auch im zierpflanzenbau. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 222. Sept. 17, 1943. 80 G196
- 18312 \*HAHN. Auch die giebelwände jetzt ausnutzen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 211. Sept. 3, 1943. 80 G196
- 18313 \*HAHN. Dahlien-überwinterung in mieten - ein verfahren der Holländer. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 248-249. Oct. 15, 1943. 80 G196
- 18314 \*HAHN. Eine fahrbare tauchmöglichkeit für orchideen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 236. Oct. 1, 1943. 80 G196
- 18315 \*HAHN. Mignon-dahlien für beethrepflanzung zeitgemäss. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 248. Oct. 15, 1943. 80 G196
- 18316 \*HAHN. Neue schnitt-chrysanthemen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 250. Oct. 15, 1943. 80 G196
- 18317 \*HAHN, EUGEN. Kniffe bei der Helleborustreiberei. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 258-259. Oct. 29, 1943. 80 G196
- 18318 \*HAHN, EUGEN. Unsere cyclamen-samenzucht in europäischer betrachtung. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 217. Sept. 17, 1943. 80 G196
- 18319 \*HAHN, EUGEN. Veltheimien rationell durch zwiebel-schuppen vermehrt. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 236. Oct. 1, 1943. 80 G196
- 18320 HAMBLIN, S. F. Miniature roses. *Amer. Rose Ann.* 1944: 59-62. 81 Am31A
- 18321 HAMBLIN, S. F. Swamp rose possibilities. *Horticulture* 22: 122. Mar. 15, 1944. 80 H787
- 18322 \*HARTMANN, GEORG. Freilandchrysanthemum Rosy Morn. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 214. Sept. 3, 1943. 80 G196
- 18323 HASTINGS, R. J. Bulb growing in British Columbia. *Canad. Florist* 39: 68. Mar. 5, 1944. 80 C163
- 18324 HELLINGS, M. L. A pink-flowered lavender. *Horticulture* 22: 139. Mar. 15, 1944. 80 H787
- 18325 HEUSSER, MRS. A. H. Incurable rose fever. *Amer. Rose Ann.* 1944: 3-8. 81 Am31A
- Success in rose cultivation learned the hard way.
- 18326 \*HEYDENREICH, KARL. Schöne magnolien für kleine gärten. *Deut. Gart.* 58: 45. Apr. 1943. 80 P883
- 18327 HILL, L. C. Planning an alpine garden in Wales. *Alpine Gard. Soc. Quart. Bul.* 11: 241-245. Dec. 1943. 84 A16
- 18328 HOUGH, H. B. Rugosa roses on Martha's Vineyard. *Amer. Soc. Ann.* 1944: 47-48. 81 Am31A
- 18329 HUTTON, S. B. Early spring in the rose garden. *Success with Roses*. 17: 4. Mar. 1944. 80 R72S
- 18330 IANSCHI, ADALBERT. Regina florilor [roses]. *Hort. Românească* 17(9/10): 17-19. Sept./Oct. 1939. 80 R328
- 18331 INGWERSEN, WILL. Just "very ordinary" alpines. *Alpine Gard. Soc. Quart. Bul.* 11: 212-217. Dec. 1943. 84 A16
- 18332 JACOBS, D. B. The Cleome Pink Queen. *Horticulture* 22: 110. Mar. 1, 1944. 80 H787
- 18333 JACOBUS, M. R. Rose seed germination and growing the young seedlings. *Amer. Rose Ann.* 1944: 86-88. 81 Am33A
- 18334 JENSEN, HOLGER. Modern teknik vid växtförädling med träd och buskar (Neue verfahren bei pflanzenveredlung von bäumen und sträuchern). *K. Landbr. Akad. Tidskr.* 82: 330-340. 1943. 104 Sw3
- 18335 \*KAPPERT, H. Arbeiten auf dem gebiete der blumen- und zierpflanzenzüchtung. *Forschungsdienst, Sonderheft* 16, p. 537-540. Berlin, 1942. 18 F772
- 18336 \*KAUFMANN, F. Das entknospen bei den chrysanthemen. *Schweiz. Gart.* No. 8, p. 218-219. Aug. 1943. 80 Sch93
- 18337 KEANE, W. H. "Gardens of the Allied Nations" theme of New England spring flower show... staged by the Massachusetts Horticultural Society. *Florists Exch.* 102(13): 11, 23. Mar. 25, 1944. 80 F666
- 18338 KEAYS, MRS. F. L. Some always dependable [roses]. *Amer. Rose Ann.* 1944: 37-42. 81 Am31A
- 18339 \*KIEBLER, C. Ginkgo biloba L. (Salisburia adiantifolia Sm.) *Schweiz. Gart.* No. 11, p. 290-291. Nov. 1943. 80 Sch93
- 18340 \*KLÜPFELBERG, E. Zur vermehrung und an-zucht von ziergräsern. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 238. Oct. 1, 1943. 80 G196
- 18341 \*KORDES, WILHELM. Erfahrungen mit floribundarosen. *Gartenbau im Reich* 24: 74, 77. July/Sept. 1943. 80 G199
- 18342 \*KRUG-KAHLA, MORITZ. Blumen und zierpflanzen. Pelargonien-erfahrungen in sechs jahrzehnten. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 210-211. Sept. 3, 1943. 80 G196
- 18343 LAMBERT, H. Tuberous begonias in Canada. *Begonian* 11: 276-277. Mar. 1944. 96.511 B39
- 18344 LAWRENCE, MRS. RUTH. Simplicity in [flower] arrangements. *Minn. Hort.* 72: 19-20, 31. Feb. 1944. 81 M66
- 18345 LEMMON, R. S. What it takes for a wild-flower garden. *Home Gard. [N.Y.]* 3(3): 72-73. Mar. 1944. 80 H756
- 18346 LESTER, F. E. The good forgotten Tea roses. *Amer. Rose Ann.* 1944: 71-75. 81 Am31A
- 18347 LEWIS, BERNARD. A rose is born; the story of the behind-the-scenes preparation of the Waves rose which was started six years ago. *Crown* 33(3): 22-23, 24. Mar. 1944. 389.9 C88
- 18348 LONDON, V. C. Rock plants from seed. *Alpine Gard. Soc. Quart. Bul.* 11: 218-220. Dec. 1943. 84 A16
- 18349 LONGLEY, L. E. New varieties of garden chrysanthemums. *Minn. Hort.* 72: 30-31. Feb. 1944. 81 M66
- 18350 LYNCH, P. J., SR. Modern own-root roses. *Amer. Rose Ann.* 1944: 57-58. 81 Am31A
- 18351 MCFARLAND, J. H. Choosing your own weeds. *Horticulture* 22: 111. Mar. 1, 1944. 80 H787
- Wild flowers for gardens.
- 18352 MCFARLAND, J. H. The story of Ophelia [rose]. *Flower Grower* 31: 143-144. Mar. 1944. 80 M72
- 18353 MACFARLANE, E. W. E. The rose and funde-mental research. *Amer. Rose Ann.* 1944: 141-145. 81 Am31A



- 18354 MARSHALL, W. T. This cactus hobby. Cactus and Succulent Jour. 16: 19-23. Feb. 1944. 451 C11
- 18355 MELADY, J. H. How to diagnose your lawn ills. Home Gard. [N.Y.] 3(3): 74-77. Mar. 1944. 80 H756
- 18356 MENZIES, R. H. Annals of an old [ornamental] garden. Calif. Hort. Soc. Jour. 5: 6-11. Jan. 1944. 81 C1293
- 18357 MEYER, FR. Neues in gladiolen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 224. Sept. 17, 1943. 80 G196
- 18358 MOIR, W. W. G. Your outdoor living room [garden planning]. Hawaii Farm and Home 7(3): 4-5. Mar. 1944. 25 H3191
- 18359 MONTGOMERY, JEANNE, and LAURIE, ALEX. The effect of certain environmental factors on the growth of Cattleya orchids. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 48-55. Jan./Feb. 1944. 100 Oh3S
- 18360 NEWBOLD, CHARLEY. Pointers on azalea culture. Canad. Florist 39: 74-75. Mar. 5, 1944. 80 C163
- 18361 NOYES, F. B. Notes on cacti out of doors. Part III. (To be cont.) Cactus and Succulent Jour. 16: 26. Feb. 1944. 451 C11
- 18362 O'NEAL, CONRAD. Self-seeding and rose breeding. Amer. Rose Ann. 1944: 89-92. 81 Am31A
- 18363 ORTLOFF, H. S. Face-lifting a foundation planting. Home Gard. [N.Y.] 3(3): 59-62. Mar. 1944. 80 H756
- Landscaping of home grounds.
- 18364 PENN, FRANK. Roses in New Zealand. Amer. Rose Ann. 1944: 129-132. 81 Am31A
- 18365 PESCOFF, E.E. Oaks - evergreen and useful Stock and Land 34(4): 2. Jan. 26, 1944. 49 St63
- 18366 PFISTER, C. E. Tree roses. Amer. Rose Ann. 1944: 68-69. 81 Am31A
- 18367 PLATT, DAVID. Bulbs for this summer. Home Gard. [N.Y.] 3(3): 45-47. Mar. 1944. 80 H756
- 18368 POOL, RALPH. Rose-growing in Tidewater Virginia. Amer. Rose Ann. 1944: 35-36. 81 Am31A
- 18369 RATH, L. Rizinus, der wunderbaum. Deut. Gart. 58: 45. Apr. 1943. 80 P883
- Ricinus communis as ornamental annual.
- 18370 RAY, STEPHEN. Chrysanthemum [propagation, experiments at Ohio State University for 1943. Chrysanthemum Soc. Amer. Bul. 12: 13-15, processed. Feb. 1944. 81 C46B
- 18371 REINELT, FRANK. Primula polyantha (Part II). Begonian 11: 272, 282, 283. Mar. 1944. 96.511 B39
- 18372 RIES, V. H. Planting with foresight [trees and shrubs]. Horticulture 22: 123-124. Mar. 15, 1944. 80 H787
- 18373 ROGERS, A. E. T. Winter protection of standard roses. Amer. Rose Ann. 1944: 67-68. 81 Am31A
- 18374 ROSSE, M. R. Skunk cabbage--"resplendent pioneer." Nature Mag. 37: 185-186. Apr. 1944. 409.6 N214
- 18375 SCHADELI, W. Der weihnachtsstern [Euphorbia pulcherrima], seine kultur und verwendung. Schweiz. Gart., No. 6, p. 144-145. June 1943. 80 Sch93
- 18376 SCHMID, WILLY. Arabis alpina "Schneehaube." Schweiz. Gart., No. 1, p. 9. Jan. 20, 1943. 80 Sch93
- 18377 SCHMIDT, E. Der blumenzwiebel-einschlag. Einige hinweise. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 247. Oct. 15, 1943. 80 G196
- 18378 SCHMIDT, E. Carlina acaulis, die silberdistel, eine anspruchslöse pflanze für den steingarten. Schweiz. Gart., No. 9, p. 227-228. Sept. 1943. 80 Sch93
- 18379 SCHMIDT, E. Hymenocallis calathina (syn. Ismene calathina). Schweiz. Gart., No. 9, p. 228-229. Sept. 1943. 80 Sch93
- 18380 SCHMIDT, E. Der neue Pacific-riesenrittersporn. Schweiz. Gart., No. 6, p. 141-142. June 1943. 80 Sch93
- 18381 SCHMIDT, E. Ein schöner frühsummerblüher der mehr beachtung verdient. Schweiz. Gart., No. 6, p. 142-143. June 1943. 80 Sch93
- Golden camomile.
- 18382 SCHÖYER, EDNA. Datura wrightii. Gard. Club Amer. Bul. 21, p. 23-24. Mar. 1944. 90.36 G16
- 18383 SCHREIBER, FRITZ. Pflanzensüchtung. Garten im Reich 24: 83-84. July/Sept. 1943. 80 G199
- In relation to ornamental plants.
- 18384 SCHROEDER. Schöne magnolien für kleine gärten. Deut. Gart. 58: 45. Apr. 1943. 80 P883
- Pruning magnolias.
- 18385 SCHWEIZER, TH. Wenn krautartige, gefülltblühende Paeonia albiflora sinensis hybrida nicht mehr blühen wollen. Schweiz. Gart., No. 5, p. 125. May 1943. 80 Sch93
- 18386 SCHWEIZER, TH. Zwei vergessene gute schattenpflanzen. Begonia discolor R. Br. - Begonia martiana L. K. et Otto. (B. diversifolia Graham) China. Schweiz. Gart., No. 2, p. 37. Feb. 1943. 80 Sch93
- 18387 SHEPHERD, R. E. Budding by an amateur. Amer. Rose Ann. 1944: 81-85. 81 Am31A
- Directions for budding and hybridizing roses.
- 18388 SMITH, M. S. Moonseed [Cocculus carolinus] in the South. Horticulture 22: 110. Mar. 1, 1944. 80 H787
- 18389 SORGE, S. M. Zweierlei blumenfenster. Schweiz. Gart., No. 11, p. 283-290. Nov. 1943. 80 Sch93
- 18390 SPAIN, R.L. Tree peonies. Home Gard. [N.Y.] 3(3): 8-10. Mar. 1944. 80 H756
- 18391 STEFFEK, E. F. Dutchman's breeches in shade. Horticulture 22: 140. Mar. 15, 1944. 80 H787
- 18392 STEWART, T. A. Australian roses. Amer. Rose Ann. 1944: 63-65. 81 Am31A
- 18393 STOCKING, C. H. Roses in war times. Calif. Hort. Soc. Jour. 5: 29-30. Jan. 1944. 81 C1293
- 18394 STUTZ, M. H. Oenothera missouriensis Sins. nachtkerzen. Schweiz. Gart., No. 3, p. 65. Mar. 1943. 80 Sch93
- 18395 STUTZ, M. H. Scabiosa caucasica, Bieb. Schweiz. Gart., No. 3, p. 65-65. Mar. 1943. 80 Sch93
- 18396 SWECKER, J. P. Comments on the Plant Patent Act. Amer. Rose Ann. 1944: 120-122. 81 Am31A
- 18397 TIEMANN, O. R. Seeds should not be wasted. Back to Eden 10(8): 1. Mar. 1944. 80 B12
- 18398 UNDERSTOCK symposium. Amer. Rose Ann. 1944: 163-174. 81 Am31A
- The best rose understocks, Contributions by R. C. Allen, Robert Pyle, C. H. Perkins, J. E. Lowrey, Mrs. G. L. Taber, J. C. Ratsek, G. J. Buck, J. A. Armstrong, C. H. Stocking, and A. J. Webster.
- 18399 VOSBURG, J. S. Plantly speaking - in the shade. [Viola odorata rosina.] Begonian 11: 283. Mar. 1944. 96.511 B39
- 18400 W., DE. Din dramele orchideelor. Hort. România 17(11/12): 8-11. Nov./Dec. 1939. 80 R328
- Orchids.
- 18401 WALTHER, OTTO. Saxifraga cochlearis auch als topfpflanze. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 226. Sept. 17, 1943. 80 G196



- 18402 WATKINS, J. V. Ground covers in Gulf Coast gardens. Home Gard. [N.Y.] 3(3): 86-88. Mar. 1944. 80 H756
- 18403 WATSON, D. B. The medical properties of the rose. Amer. Rose Ann. 1944: 29-33. 81 Am31A
- 18404 WESTON, T. A. Amaryllis [cultivation] problems. Horticulture 22: 98. Mar. 1, 1944. 90 H787
- 18405 WESTON, T. A. Keep your frames working [coldframes for ornamental plants]. Home Gard. [N.Y.] 3(3): 33-35. Mar. 1944. 80 H756
- 18406 \*WILDBOLZ, E. Der frauenschuh (Cypridium calceolus). Schweiz. Gart., No. 8, p. 220-221. Aug. 1943. 80 Sch93
- 18407 WILEY, W. G. Exposition Park rose-garden, Los Angeles, California. Amer. Rose Ann. 1944: 16-20. 81 Am31A
- 18408 WILSON, H. V. P. Star magnolia, a March delight. Home Gard. [N.Y.] 3(3): 95-96. Mar. 1944. 80 H756
- 18409 WING, A. S. Flowers in wartime [Victory gardens]. Nature Mag. 37: 151-153. Mar. 1944. 409.6 N214
- 18410 WOLFF, W. H. Good points of Formosa lilies. Horticulture 22: 134. Mar. 15, 1944. 80 H787
- 18411 WOOD, C. W. Variety in the perennial nursery. (To be cont.) Amer. Nurseryman 79(6): 22-24. Mar. 15, 1944. 80 Am371
- 18412 WRIGHT, P. H. Caragena [recommended as a hedge plant] for all Canada. Canad. Hort. & Home Mag. Floral Ed. 67: 45-46. Mar. 1944. 80 C16F
- 18413 WRIGHT, P. H. Rosa suffulta as a parent. Amer. Rose Ann. 1944: 76-78. 81 Am31A
- Small Fruits
- 18414 \*BERGER, FRIEDRICH. Der fruchtholzschnitt an johannis- und stachelbeeren. Schweiz. Gart., No. 6, p. 153-157; No. 7, p. 187-191; No. 8, p. 206-212. June-Aug. 1943. 80 Sch93
- 18415 CHANDLER, F. B., and MASON, I. C. Pruning of low-bush blueberries. Amer. Soc. Hort. Sci. Proc. 43: 173-174. Nov. 1943. 81 Sol2
- 18416 COOK, J. H. My experience with berries. Farm and Ranch 63(3): 20. Mar. 1944. 6 F31
- 18417 FERRAZ DO AMARAL, J. Niagara e outras variedades. Safras de uvas de Novembro a Abril. Biológico 8: 158-160. June 1942. 442.8 B529
- 18418 \*GLAUSCH, R. Der anbau von johannisbeeren. Ztschr. f. Obst- Wein- u. Gartenbau 69: 66-67. Aug. 1, 1943. 80 Z3
- 18419 \*GÖNENÇER, NECATI. Bağcılık [viticulture], Turkey. Ziraat Vekâleti Nesriyat. U. Sayı 558, 63 p. Ankara, 1943. 25 T842
- 18420 \*GRÜNERT, C. Zuchtziele bei erdbeeren früher und heute. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 220-221. Sept. 17, 1943. 80 G196
- 18421 \*HUSFELD, B. Forschungsziele und ergebnisse im weinbau unter besonderer berücksichtigung der rebenzüchtung. Forschungsdienst, Sonderheft 16, p. 519-524. Berlin, 1942. 18 F772
- 18422 \*JAENISCH, W. Vereinfachung bei brombeeren. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 263. Oct. 29, 1943. 80 G196
- 18423 JEFFERS, W. F., and DARROW, G. M. The red-stele-resistant Temple strawberry. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 43-44. 81 P37
- 18424 \*JORDAN, E. Erdbeeranbau. Ztschr. f. Obst- Wein- u. Gartenbau 69: 69-71. Aug. 1, 1943. 80 Z3
- 18425 \*KOBEL, F., and SCHÜTZ, F. Erdbeer-neuzüchtung der Eidg. Versuchsanstalt Wädenswil. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 483-485. Aug. 28, 1943. 80 Sch9
- 18426 \*KUHNEL, G. Die erdbeere füllt die obstlücke, deshalb müssen wir sie besonders pflegen. Reichttragende mutterpflanzen bürgen für guten nachwuchs. Deut. Gart. 58: 63. June 1943. 80 P883
- 18427 LATIMER, L. P. Small fruits for the farm and home garden. New England Homestead 117(5): 12, 14, 21. Mar. 11, 1944. 6 N442
- 18428 LOREE, R. E. Varieties and planting of small fruits and grapes. Hort. News 10: 27. Mar. 1944. 80 H7815
- 18429 MORROW, E. B. Fewer berries from renovated beds. Res. and Farming. Prog. Rpt. [N. C. Sta.] 2(1): 5-6. Jan. 1944. 100 N31R
- 18430 OLDHAM, C. H. New strawberries. Gard. Chron. 113: 77. Feb. 20, 1943. 80 G162
- 18431 O'ROURKE, F. L. Propagation of the Rabbiteye blueberry. Amer. Nurseryman 79(6): 5-7. Mar. 15, 1944. 80 Am371
- 18432 \*REGEL, C. VON. Die peruvianische blasenkirsche, eine wenig bekannte beerenpflanze. Schweiz. Gart., No. 4, p. 96-97. Apr. 1943. 80 Sch93
- Physalis peruviana.
- 18433 \*SCHRODER, A. Grauschimmelfäule der erdbeeren verhüten. Deut. Gart. 58: 63. June 1943. 80 P883
- 18434 \*SCHÜTZ, FR., and KOBEL, F. Erdbeer-neuzüchtung der Eidg. Versuchsanstalt Wädenswil. Schweiz. Gart., No. 9, p. 244-245. Sept. 1943. 80 Sch93
- 18435 \*SCHUSTER, L. Die bedeutung der forschung auf dem gebiete des weinbaues und der weinkellerwirtschaft. Forschungsdienst, Sonderheft 16, p. 517-519. Berlin, 1942. 18 F772
- 18436 \*SEYFARTH, W. Beerenobst reichlich wässern. Deut. Gart. 58: 55. May 1943. 80 P883
- 18437 SHANNON, BETTY. Let's make a strawberry patch. Home Gard. [N.Y.] 3(3): 30-32. Mar. 1944. 80 H756
- 18438 SHEWELL-COOPER, W. E. Will the new raspberries solve the problem? Field 183: 152. Feb. 5, 1944. 10 F45
- 18439 SLATE, G. L. A second report on the best parents in strawberry breeding. Amer. Soc. Hort. Sci. Proc. 43: 175-179. Nov. 1943. 81 Sol2
- 18440 \*STELLWAAG, F. Arbeiten und aufgaben aus der arbeitsgruppe "Weinbau." Forschungsdienst, Sonderheft 16, p. 506-517. Berlin, 1942. 18 F772
- 18441 STEUK, W. K. The growing of American grapes. Amer. Fruit Grower 64(3): 7, 22, 34. Mar. 1944. 80 G85
- 18442 SYDENHAM, F. Cultivation of the Chinese gooseberry [Actinidia chinensis]. New Zeal. Jour. Agr. 68: 111-113. Feb. 15, 1944. 23 N48J
- 18443 TAYLOR, G. C. Bush fruits. Country Life [London] 94: 1084-1085. Dec. 17, 1943. 80 G83
- 18444 WALDO, G. F., and DARROW, G. M. Red raspberry breeding in Oregon. Amer. Soc. Hort. Sci. Proc. 43: 169-172. Nov. 1943. 81 Sol2
- 18445 \*WELCHERT. Erweiterung des erdbeeranbaues ist notwendig! Landesbauernschaft Sachsen-Anhalt. Wohnbl. 101: 339. June 19, 1943. 18 Sa9
- 18446 \*WELCHERT. Die verbesserung der obstversorgung durch beerenobstanbau. Landesbauernschaft Sachsen-Anhalt. Wohnbl. 101: 592. Nov. 13, 1943. 18 Sa9
- 18447 WELLINGTON, RICHARD. Experimental work with grapes in N. Y. State during 1943; sturdiness of Concord grape again proven in difficult year of '43. Grape Belt and Chautauqua Farmer 50(18): 1, 8. Mar. 3, 1944. 110 G76



Vegetable and Truck Crops (Including Potatoes)

- 18448 \*AMARAL, V. S. G. DO. O problema da batata-semente em Portugal. (To be cont.) Portugal. Junta Nac. das Frutas Bol. 3(8): 10-16. July 1943. 286.3939 P83
- 18449 ASPERTI NAVARRO, GUIDO. El cultivo de la cebolla. Agr. Venezolano 8(89/90): 16-17. Sept./Oct. 1943. 9.95 Ag8
- 18450 BARRONS, K. C. Head lettuce variety trials in 1942. Mich. Muck Farmers Assoc. Proc. (1943) 25: 18-19. 4 M5813
- 18451 BINKLEY, A. M., and SPARKS, W. C. Station breeding onions for resistance to insects, purple blotch, and pink root. Colo. Farm Bul. 6(2): 8-11. Mar./Apr. 1944. 100 C713
- 18452 BOWER, HELEN, and ELLIOT, JEAN. Share-cropping in the suburbs, cooperative Victory garden. Forecast 60(3): 22-23, 48, 50, 52. Mar. 1944. 321.8 F76
- 18453 BOWERS, J. L. The effect of spacing and number of plants per hill on the yield of eleven sweet corn hybrids. Amer. Soc. Hort. Sci. Proc. 43: 275-277. Nov. 1943. 81 Sol2
- 18454 BOWSER, FERRY. Perennial vegetables in farm gardens [asparagus and rhubarb]. Hort. News 10: 25. Mar. 1944. 80 H7815
- 18455 BOYD, W. I. The asparagus seed and variety situation. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 119-120. 81 P37
- 18456 \*BRESCHKE, and SCHMIDT. Fruchtfolgen im Gemüsebau. Forschungsdienst, Sonderheft 16, p. 61-69. Berlin, 1942. 18 F772
- 18457 BRIEGER, F. G., and GURGEL, J. T. A. Seleção e produção de sementes em hortaliças. Bragantia 2: 449-480. Nov. 1943. 102.5 B73Tb
- English summary.
- 18458 BURDETT, J. H. What home gardens contributed to food supply. Victory gardens had half of all vegetables. Seed Trade News 42(11): 4. Mar. 15, 1944. 61.8 Se3
- 18459 BURTON, A. M. Cultivo de legumbres en las tierras bajas tropicales. Co. Administradora del Guano Bol. 20: 1-17. Jan. 1944. 57.9 C73B
- 18460 CALZADA B., JOSÉ. Influencia del clima sobre el cultivo de la papa en los valles de Lima y pronósticos de cosecha. Agronomía [Peru] 8(34): 45-55. Dec. 1943. 9.8 Ag83
- 18461 CHAZE, JEAN. Essais de production de la truffe à partir des cultures pures de son mycélium. Paris. Acad. des Sci. Compt. Rend. 216: 742-744. 1943. 505 P21
- 18462 CLARK, T. E. Sprouts for northern gardens. The results of a trial last year of a selection of leading varieties [of Brussels sprouts]. Gard. Illus. 64: 295. Mar. 1944. 80 G169
- 18463 CLUTE, W. N. An ancient pot-herb returns. Amer. Bot. 50: 3-5. Jan. 1944. 450 Am33
- Lambsquarters (Chenopodium album).
- 18464 COCHRAN, H. L. Effect of stage of fruit maturity at time of harvest and method of drying on the germination of pimiento seed. Amer. Soc. Hort. Sci. Proc. 43: 229-234. Nov. 1943. 81 Sol2
- 18465 COULTER, F. C. More and better beans. Horticulture 22: 101. Mar. 1, 1944. 80 H787
- 18466 CULPEPPER, C. W., CALDWELL, J. S., and LOMBARD, P. M. Comparative studies of varieties of certain vegetables for dehydration. Amer. Soc. Hort. Sci. Proc. 43: 210-218. Nov. 1943. 81 Sol2
- 18467 DAVIS, M. P. Shallot, unicorn plant, summin, scorzenera, skirret and witloof are vegetables that put variety in the Victory garden. Nature Mag. 37: 135-136, 162. Mar. 1944. 409.6 N214
- 18468 DEMPSEY, P. W. Getting an early start... Victory vegetable gardens. Horticulture 22: 129. Mar. 15, 1944. 80 H787
- 18469 DEMPSEY, P. W. Lettuce in the home garden. New England Homestead 117(5): 8. Mar. 11, 1944. 6 N442
- 18470 DETTEN, L. R. The influence of the root-stock on seeds and on seedling progenies of tomato grafts. Amer. Soc. Hort. Sci. Proc. 43: 147-148. Nov. 1943. 81 Sol2
- 18471 DREWES, HARM. Some worthwhile new varieties of vegetables. Mich. Muck Farmers Assoc. Proc. (1943) 25: 21-23. 4 M5813
- 18472 DURHAM, G. B. More, better [vegetable] gardens needed. Better Rural Life 5(3): 1, 4. Mar. 1944. 275.29 R34B
- 18473 EDGEcombe, S. W. Basic principles in Victory gardening. Canad. Hort. & Home Mag. Floral Ed. 67: 56. Mar. 1944. 80 C16F
- 18474 EDMOND, J. B. The effect of exposure to low temperatures on plant production of the Porto Rico sweetpotato. Amer. Soc. Hort. Sci. Proc. 43: 259-261. Nov. 1943. 81 Sol2
- 18475 EDMOND, J. B., and DUNKELBERG, G. H. The influence of "crowded" bedding of roots on plant production of the Porto Rico sweetpotato. Amer. Soc. Hort. Sci. 43: 246-248. Nov. 1943. 81 Sol2
- 18476 FIRE. DEPT. OF AGRICULTURE. Economy in the use of root [vegetable] seeds. Fire. Dept. Agr. Spec. Leaflet 17, 2 p. Dublin, 1941. 10.5 Ir425
- 18477 FIRE. DEPT. OF AGRICULTURE. Production of root and vegetable seeds. Fire. Dept. Agr. Spec. Leaflet 15, 4 p. Dublin, 1941. 10.5 Ir425
- 18478 EVERETT, T. H. Short season Victory gardens. Home Gard. [N.Y.] 3(3): 11-13. Mar. 1944. 80 H756
- 18479 FAIRCHILD, DAVID. Talinum, a summer vegetable for Florida. Fla. State Hort. Soc. Proc. (1943) 56: 187-190. 81 F66
- 18480 FOOD garden. Life 16(13): 72-75. Mar. 27, 1944. 280.8 L62
- Illustrations, partly colored, of vegetable varieties, insects, diseases, and weeds, with explanatory text.
- 18481 FORSYTH, GORDON. How to make sure of strong vegetable seedlings. Pop. Gard. 45: 425. Feb. 26, 1944. 80 G1622
- 18482 \*FREITAG, H. Reihensaat ergibt auch bei spinat grössere erträge. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 210. Sept. 3, 1943. 80 G196
- 18483 \*FUCHS, W. H. Aussaatfragen bei gemüsesorten. Tech. in der Landw. 24: 132-135. Sept. 1943. 58.8 T22
- 18484 FUJIMOTO, HIROSHI. Dry-land-grown wet-land taro. Hawaii Farm and Home 7(3): 9. Mar. 1944. 25 H3191
- 18485 \*GASSER, FELIX. Pflege der spargelbeete während der stechzeit. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 289. May 22, 1943. 18 Sa9
- 18486 GREEN, H. B. Salad crop without soil [watercress]. Farmer & Stock-Breeder 58: 309. Feb. 22, 1944. 10 F228
- 18487 GREGG, O. I. Try these vegetables in your flower garden. Hort. News 10: 19. Mar. 1944. 80 H7815
- 18488 GREGORY, P. H. Early planting for increased potato yields. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 557-559. Mar. 1944. 10 G79J
- 18489 \*HAHN. Auch der Porrea gehört in den einschlag. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 219-220. Sept. 17, 1943. 80 G196
- 18490 \*HAHN. Jetzt sellerie für die suppengrün gewinnung aussäen! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 234. Oct. 1, 1943. 80 G196
- 18491 \*HAHN. Tomaten unter glas nach eigener kulturmethode. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 245. Oct. 15, 1943. 80 G196



- 18492 \*HAHN. Winterendivien unter glas - als folgekultur für gurken und tomaten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 220. Sept. 17, 1943. 80 G196
- 18493 \*HAHN, EUGEN. Ein anbauzentrum für blumenkohl. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 206-208. Sept. 3, 1943. 80 G196
- 18494 HARRINGTON, LYN. Mushrooms on your menu [Directions for growing]. Canad. Hort. & Home Mag. Growers' Ed. 67: 58. Mar. 1944. 80 G16
- 18495 HARRIS, HAROLD. Potatoes pay off on know how. Successful Farming 42: 22, 34-35. Jan. 1944. 6 Sul2
- 18496 HASTINGS, W.R. All-America vegetables for 1944. Gard. Gossip 19(3): 11. Mar. 1944. 80 G1625
- 18497 HEPLER, J.R. Onions. New England Homestead 117(5): 10. Mar. 11, 1944. 6 N442
- 18498 HIBON, JEAN. Comment tirer le meilleur parti des semences de pommes de terre qui nous viennent des États-Unis. Fruits et Primeurs de l'Afrique du Nord 14: 9-10. Jan. 1944. 80 F9482
- 18499 HOFFMAN, I. C. The adaptation of some plant breeding methods to greenhouse vegetable improvements. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 116, 118, 120, 122, 124. 75.9 Oh3
- 18500 INGALLS, N. M. Celery in home gardens. Horticulture 22: 141. Mar. 15, 1944. 80 H787
- 18501 INGALLS, N. M. The White Wonder cucumber. Horticulture 22: 129. Mar. 15, 1944. 80 H787
- 18502 ISBELL, C. L. Taking the "punk" out of southern pumpkins. Alabama's "Alagold" has abundance of sweet, firm flesh; is prolific and disease resistant. South. Seedsman 7(3): 11, 51. Mar. 1944. 61.8 So8
- 18503 JONES, L. K. Pea seed treatment means better yield. Wash. Farmer 69: 139. Mar. 16, 1944. 6 R151
- 18504 \*KAUFMANN, E. Der gemüsesamenanbau! Schweiz. Gart., No. 7, p. 191-193. July 1943. 80 Sh93
- 18505 KING, JAMES. To have the earliest potatoes. Canad. Hort. & Home Mag. Floral Ed. 67: 57. Mar. 1944. 80 C16F
- 18506 KRONE, P. R. Vegetable varieties recommended for Michigan. Hort. News 10: 16. Mar. 1944. 80 H7815
- 18507 LANDRY, BRUNO. Le climat et le sol en culture maraîchère. Bul. des Agr. 40(3): 15. Mar. 1944. 7 B872
- 18508 \*LAUCHE, KARL. Gemüse unter glas und im freien. Ueber den wasser- und nährstoffbedarf der tomaten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 206. Sept. 3, 1943. 80 G196
- 18509 LEACH, J. G. Some problems in potato improvement: past and present. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 5-16. 75.9 Oh3
- 18510 \*LEMKE, M. Der einfluss des standortes auf menge und güte des mohrrüben-ertrages. Forschungsdienst, Sonderheft 16, p. 459-464. Berlin, 1942. 18 F772
- 18511 LOWENFELS, ALBERT. Sweet potatoes in up-north gardens. Home Gard. [N.Y.] 3(3): 56-58. Mar. 1944. 80 H756
- 18512 MCCUBBIN, E. N. Cabbage variety tests in the Hastings section. Fla. State Hort. Soc. Proc. (1943) 56: 177-182. 81 F66
- 18513 MCINTYRE, C. N. Field trials for varietal purity [of vegetables] and their place in seed control work. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 106-114. 75.9 Oh3
- 18514 MAGRUDER, ROY. Recent advances in the breeding and culture of lima beans. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 80-86. 75.9 Oh3
- 18515 MALTBY-CLARK, G. How to grow mushrooms. Gard. Illus. 64: 290. Mar. 1944. 80 G169
- 18516 MANNS, T. F. Sweet potato seed bed management, seed and sprout treatment. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 74-84. 81 P37
- 18517 \*MARTINI. Eigene kartoffelpflanzgutgewinnung für 1944. Landesbauernschaft Württemb. Wchnbl. 110: 333. May 29, 1943. 18 W96
- 18518 \*MARTINI. Zur sortenfrage bei kartoffeln. Landesbauernschaft Württemb. Wchnbl. 110(44): 596. Oct. 30, 1943. 18 W96
- 18519 \*MARTINI. Zweckmässige zichorienpflege. Landesbauernschaft Württemb. Wchnbl. 110: 332. May 29, 1943. 18 W96
- 18520 \*MED, C. Gemüse-einmietung für samenbau. Eine eigene methode. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 218-219. Sept. 17, 1943. 80 G196
- 18521 MOORE, E.G. 22 million Victory gardens. J.S. Bur. Agr. Econ. Agr. Situation 28(2): 20-22. Feb. 1944. 1 Ec7Ag
- 18522 MUELLO, A. C. La berenjena. Pampa Argentina 18(197): 23. Jan. 1944. 9 P19
- 18523 MURRAY, H. R. Planning the [vegetable] garden. Macdonald Col. Jour. 4(6): 6-7. Feb. 1944. 101 M144
- 18524 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Varieties of potatoes. Natl. Inst. Agr. Bot. Farmers' Leaflet 3, 6 p. Cambridge, England, 1944. 103 N21F
- 18525 \*NICOLAISEN. Hacken und wässern beim gemüsebau. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 277-278. May 15, 1943. 18 Sa9
- 18526 \*NICOLAISEN. Die heranzucht von blumenkohl. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 300-301. May 29, 1943. 18 Sa9
- 18527 \*NICOLAISEN, N. Die pflege der kohlfelder in den sommermonaten. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 338-339. June 19, 1943. 18 Sa9
- 18528 NIVEN, L. A. Growing onions in the Panhandle. Prog. Farmer, Tex. Ed. 59(4): 25. Apr. 1944. 6 T311
- 18529 \*NOELL, G. Über die wirkung unregelmässiger pflanzenabstände in der reihe auf den ertrag zweier kartoffelsorten. Tech. in der Landw. 24: 102-105. July 1943. 58.8 T22
- 18530 \*OHLER. Zuckermais einmal versuchen. Deut. Gart. 58: 48. Apr. 1943. 80 P883
- 18531 PARKER, M. M. Cultural and varietal studies with fall crop potatoes in eastern Virginia. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 102-108. 81 P37
- 18532 \*PARSCHE, FRIEDRICH. Feldgemüsebau in der Saveniederung. Mitt. f. die Landw. 58: 558-559. July 10, 1943. 18 D48M
- 18533 PORTE, W.S. Choosing best tomato for your particular requirement. Market Growers Jour. 73: 76, 100, 102-103. Mar. 1944. 6 M34
- 18534 PORTER, D. R. Recent tomato research. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 91-102. 81 P37
- 18535 PURSEGLOVE, J. W. Some Uganda vegetables. Part II. East African Agr. Jour. 9: 98-101. Oct. 1943. 24 Ea74
- 18536 RALEIGH, G. J., and others. Tests with newer lettuce strains. Amer. Soc. Hort. Sci. Proc. 43: 185-186. Nov. 1943. 81 Sol2
- J.F. Harrington, R. Kunkel, and R.D. Sweet, joint authors.
- 18537 \*RATH, L. Porree für den winter und das frühjahr. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 246. Oct. 15, 1943. 80 G196



18538 \*RATH, L. Unsere rosenkohlsorten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 258. Oct. 29, 1943. 80 G196

18539 REBOUR, H. L'approvisionnement de l'Algérie en semences potagères. Fruits et Primeurs de l'Afrique du Nord 13: 72-74. Apr. 1943. 80 F9482

18540 REBOUR, H. L'intensification de la grande culture maraîchère. Rev. Agr. de l'Afrique du Nord 41: 190-191. Dec. 3, 1943. 80 R326

18541 ROCKWELL, F.F. First plantings in the vegetable garden. Home Gard. [N.Y.] 3(3): 22-23. Mar. 1944. 80 H756

18542 ROCKWELL, F. F. Peas and beans. Home Gard. [N.Y.] 3(3): 50-53. Mar. 1944. 80 H756

18543 \*SCHMIDT, E. Auch der chineserkohl lässt sich einwintern. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 256. Oct. 29, 1943. 80 G196

18544 \*SCHMIDT, E. Nicht in der größe, sondern in der festigkeit liegt die güte des einzuwinternenden kohles. Schweiz. Gart., No. 10, p. 266-267. Oct. 1943. 80 Sch93

18545 \*SCHUPHAN, W. Die winterheckenzwiebel [Allium fistulosum]. Mitt. f. die Landw. 58: 666. Aug. 14, 1943. 18 D48M

18546 SNYDER, L. C. Plan now for your vegetable garden this summer. N. and S. Dak. Hort. 17: 46, 47. Mar. 15, 1944. 81 N817

18547 STEINBAUER, C. E., HOFFMAN, G. P., and EDMOND, J. B. Why are single plant yields of sweetpotato highly variable within plots? Amer. Soc. Hort. Sci. Proc. 43: 249-254. Nov. 1943. 81 Sol2

18548 \*STELZNER, GERHARD. Ueber die fertilitätsverhältnisse bei bastardierungen zwischen der frostfesten wild-kartoffel Solanum acaule Bitt. und der kulturkartoffel Solanum tuberosum L. Züchter 15: 143-144. July/Sept. 1943. 442.8 Z8

18549 \*STEYSKAL, FRANZ. Umstellung in der Südmark. - Auch der gemüsesamenbau einbezogen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 242-243. Oct. 15, 1943. 80 G196

18550 \*TEPELMANN. Bohnen kann man in töpfen vorziehen. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18551 \*TEPELMANN. Für tomaten pflanzenlöcher vorbereiten. Deut. Gart. 58: 48. Apr. 1943. 80 P883

18552 \*TEPELMANN. Wir ernten verschiedene gemüse von einem beet. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18553 \*THIELE, K. P. Jetzt schnittlauch zum treiben einpflanzen! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 256. Oct. 29, 1943. 80 G196

18554 \*THIELEBEIN. Frühkartoffelpflanzgut aus eigenem betrieb. Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 337. June 19, 1943. 18 Sa9

18555 \*THIEM. Empfindliche gemüsepflanzen vor frost schützen. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18556 \*THIEM. Die spargelernte hat begonnen. Deut. Gart. 58: 54. May 1943. 80 P883

18557 \*THIEM. Vom giessen und wässern im gemüse garten. Deut. Gart. 58: 60. June 1943. 80 P883

18558 THONE, FRANK. Seed-catalog [Victory] gardening. Sci. News Letter 45: 154-155. Mar. 4, 1944. 470 Sci24

18559 TOMALIN, T.E. Grow really good celery. Pop. Gard. 45: 423. Feb. 26, 1944. 80 G1622

18560 TOMALIN, T. E. Sowing time for vegetables, is here again. Pop. Gard. 46: 3. Mar. 4, 1944. 80 G1622

18561 TUSSING, E. B. Some keys to spud goal. Ohio Farmer. 193(6): 11. Mar. 18, 1944. 6 Oh3

18562 VINCENT, C.I. Seed from the home [vegetable] garden questionable. Wash. Farmer 69(5): 15. Mar. 2, 1944. 6 R151

18563 WADE, B. L. Green bean varieties for southern planting. South. Canner & Packer 5(2): 14. Feb. 15, 1944. 389.8 So82

18564 WADE, B. L. An improvement in bean crossing technique. Amer. Soc. Hort. Sci. Proc. 43: 187-188. Nov. 1943. 81 Sol2

18565 WADE, B. L., and KANAPAU, M. S. Yields of hardy snap bean strains. Amer. Soc. Hort. Sci. Proc. 43: 239-245. Nov. 1943. 81 Sol2

18566 \*WAGNER, MAX. Planmäßiger pflanzgut wechsel, der motor des kartoffelbaues. Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 540. Oct. 16, 1943. 18 Sa9

18567 WICKARD, C. R. Plans for Victory gardens during 1944. Seed Trade News 42(9): 16. Mar. 1, 1944. 61.8 Se3

Also, with title: More and bigger Victory gardens for 1944, in Seed World 55(6): 14. Mar. 17, 1944. 61.8 Se52

18568 WILLS, N. R. Sydney's vegetables; how gardens hug city market. Country Life [Sydney] 55(32): 3. Feb. 4, 1944. 286.85 Sy2

The market-garden industry.

18569 \*WINKLER, P. Topinambur. Deut. Forst-wirt 25: 132. Apr. 9, 1943. 99.8 D483

18570 \*WIRTH. Höchsterträge durch mischkultur. Deut. Gart. 58: 53. May 1943. 80 P883

Mixed plantings of vegetables.

18571 \*WIRTH, A. Gemüse-mehrerträge durch richtige wassergaben. Alte erkenntnisse vom giessen wissenschaftlich begründet. Gartenbau im Reich 24: 79-80. July/Sept. 1943. 80 G199

18572 WRIGHT, R. E. Three steps to improved sweet potatoes [selection, nicking, and disinfection]. Farm and Ranch 63(3): 17. Mar. 1944. 6 F31

18573 YEAGER, A. F. The characteristics of crosses between botanical varieties of cabbage, Brassica oleraceae. Amer. Soc. Hort. Sci. Proc. 43: 199. 200. Nov. 1943. 81 Sol2

18574 \*ZYCHA, H. Die champignonbrut. Forschungsdienst, Sonderheft 16, p. 467-472. Berlin, 1942. 18 F772

#### MISCELLANEOUS ECONOMIC PLANTS

##### General

18575 ALFARO, ANASTASIO. Plantas melíferas. Costa Rica. Inst. de Defensa del Café Rev. 14: 90-91. Jan. 1944. 68.28 C82

18576 ALVARENGA, LEONIDAS. El café de El Salvador. Café de El Salvador 14: 301. Jan. 1944. 68.28 C112

History of the coffee of El Salvador.

18577 ATHERTON, A. R. Bees for pollination in orchards of southwestern Michigan. Beekeepers' Mag. 6(5): 12. Dec. 1943. 424.8 M58

18578 BEIRNAERT, A., and VANNECK, C. Une contribution à la sélection de l'Elaeis guineensis J. Est-il possible de distinguer des plantules de pisifera dans un mélange de plantules des trois types? Bul. Agr. du Congo Belge 34: 217-225. Sept./Dec. 1942. 24 E83

18579 CADY, E. R. Winter quail foods on abandoned farm lands in Norris Reservoir area. Tenn. Acad. Sci. Jour. 19: 10-15. Jan. 1944. 500 T25A

Also in Reelfoot Lake Biol. Sta. Rpt. 8: 10-15. Jan. 1944. 442.9 R25

18580 CALVERT, JAMES. New honey plants under test. Amer. Bee Jour. 84: 13. Jan. 1944. 424.8 Am3



- 18581 CASARUBIA, ANTONIO. Datos generales sobre cultivo de maíz de Guinea o sorgo de escobas. Chacra 14(159): 38. Jan. 1944. 9 C34
- 18582 COELHO, CLOVIS. Sinonímia das mandiôcas e macacheiras brasileiras. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10, p. 85-91. Mar. 1943. 9.2 P432
- 18583 DELF, E. M. Fluctuations in seaweed. Nature [London], 153: 223-224. Feb. 19, 1944. 472 N21
- Variability of sources of supply.
- 18584 GATTEFOSSI, J. Le lupin jaune, succédané du café. Fruits et Primeurs de l'Afrique du Nord 13: 122-123. June 1943. 80 F9482
- 18585 \*GATTEFOSSI, JEAN. La mousse du chêne du Maroc et ses emplois. Fruits et Primeurs de l'Afrique du Nord 13: 219-220. Dec. 1943. 30 F9482
- 18586 GUTIERREZ, MELQUIZO. La yuca, su cultivo y aprovechamiento en el E. del Pará. Rev. Nac. de Agr. [Bogotá] 37(474): 14-15, 39. Dec. 1943. 9.4 R32
- 18587 HARRISON, G. J. Growing pyrethrum. Calif. Cult. 91: 126-127. Mar. 4, 1944. 6 C12
- 18588 HERMANN, F. J. Rotenone. (Concl.) Chemurg. Digest 3: 50-52. Feb. 15, 1944. 381 N213Na
- 18589 KILLION, C. E. Our honey plants. Amer. Bee Jour. 84: 50-51. Feb. 1944. 424.8 Am3
- 18590 \*KLEINLEIN, FR. Von der pappel. Bayer. Biene 64: 173. Nov. 1942. 424.8 B34
- Poplar as a honey plant.
- 18591 \*KNOLL, and MÜLLER, L. Soll man den mohn verziehen oder verackern? Landesbauernschaft Sachsen. Wohnbl. 91: 245. May 22, 1943. 18 Sal
- 18592 \*KOSLOSKA, W. Landwirtschaftlicher aufbauplan 1943 und bienenwirtschaft. Preuss. Bienen Ztg. 89: 54-56. Aug. 1943. 424.8 P92
- The national policy to increase production of fats, protein, and fiber and its relation to honey plants.
- 18593 \*KRÜGER, MAX. Die rosskastanie [Aesculus hippocastaneum] und ihre verwendung. Deut. Heilpflanze, Oct. 1943, p. 39-40; Nov. 1943, p. 43-44. [Bound with Deut. Apoth. Ztg., v. 58, No. 53/54, 57/58.] 396.8 Ap4
- 18594 \*KRÜSSMANN, G. Merkwürdiges vom speierling. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 249-250. Oct. 15, 1943. 80 G196
- Sorbus domestica.
- 18595 \*LEIN, FRITZ. Heckensträucher für den imkergarten. Bayer. Biene 64: 170-172. Nov. 1942. 424.8 B34
- 18596 LEON, JORGE. El jaíl [Alnus acuminata]. Rev. de Agr. [Costa Rica] 15: 460-461. Oct. 1943. 8 Esl
- 18597 MARKLAND, L. K. Louisiana's lagniappe [Spanish moss, crop. New Orleans Port Rec. 2(5): 20-24. Jan. 1944. 286.8 N472
- 18598 MELLO, P. S. A escolha das árvores de sombra. DNC; Rev. do Depto. Nac. do Café 11: 739-740. Nov. 1943. 286.83 D44
- Characteristics desired in shade trees for coffee.
- 18599 MENDES, AMANDO. A cultura racional da maniçoba (Manihot). Rev. Rural Bras. 23(280): 30-33. Dec. 1943. 9.2 B733
- 18600 MICHEL, L. Pratique de la culture du caféier arabica par les indigènes du Ruanda Nord. Bul. Agr. du Congo Belge 35: 109-121. Mar./Dec. 1943. 24 K83
- 18601 MILLE, PADRE L. El algarrobo. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 159-162. Sept. 1943. 451 Ec9
- 18602 MYER, SYDNEY. The season's hops. Inst. Brewing Jour. 50: 37-41. Jan./Feb. 1944. 390.9 In7
- 18603 NEUMANN, E. C. Flavors on the home front. Amer. Perfumer and Essential Oil Rev. 46(3): 59, 61. Mar. 1944. 308.8 Am3
- Plant sources.
- 18604 NÓBREGA, APOLÔNIO. O ouro-verde na terra de Iracema; traços biográficos do pioneiro do plantio do café no Ceará; a primeira lavoura. DNC; Rev. do Depto. Nac. do Café 11: 731-736. Nov. 1943. 286.83 D44
- Introduction of coffee into Ceará, Brazil.
- 18605 OLIVEIRA, A. P. DE. O ouricuri. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 225-227. Sept. 1942. 9.2 P432
- 18606 PANKIW, NICHOLAS. Milkweed as a nectar producer. West. Canada Beekeeper 7(3): 4. Mar. 1944. 424.8 W525
- 18607 \*PATEL, B. S., and PATEL, K. R. Tondali [Coccinia cordifolia], cultivation in Poona. Indian Farming 4: 239-242. May 1943. 22 In283
- 18608 PELLETT, F. C. Notes from the honey plant garden. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941/42) 51 (i.e. 41): 73-80. 424.9 I16
- 18609 POERCK, R. DE. Comment expliquer les disjunctions anormales de certains tenera? Bul. Agr. du Congo Belge 34: 206-216. Sept./Dec. 1942. 24 K83
- Strains of *Elaeis guineensis*.
- 18610 PYE, BLUNDELL. English-grown anise hyssop [Agastache]. Brit. Bee Jour. 62: 28. Feb. 3, 1944. 424.8 B77
- 18611 RAMOS, J. I. Uma nova planta com rotenona "catanga de Macaco" *Calopogonium vellutium* Benth. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 298-299. Sept. 1942. 9.2 P423
- 18612 RAYMENT, TARTLTON. Spring pollen plants in a coastal district of New South Wales. Australasian Beekeeper 45: 135-136. Jan. 1944. 424.8 Au72
- 18613 \*REBBHUHN, F. Japanische quitte der beste tee-ersatz. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 238. Oct. 1, 1943. 80 G196
- 18614 ROCHA, MARIANO DA. Mate verde chimarrão. Chacaras e Quintais 68: 712-713. Dec. 15, 1943. 9.2 C34
- 18615 \*ROSCH, E. Bienenweide-sorgen im Berner Seeland. Schweiz. Bienen Ztg. 66: 478-481. Nov. 1943. 424.8 Sch9
- Fruit trees as honey plants.
- 18616 SALMON, E. S. Twenty-sixth report on the trial of new varieties of hops, 1942. Inst. Brewing Jour. 50: 28-36. Jan./Feb. 1944. 390.9 In7
- 18617 \*SCHILLER, JOS. Ueber den trachtwert unserer nutzpflanzen. Bayer. Biene 64: 152-154. Oct. 1942. 424.8 B34
- Honey yield from useful plants.
- 18618 VANDERWEYEN, R. L'élimination des pisi-féra ou stériles dans les palmeraies issues de croisements Tenera X Tenera. Bul. Agr. du Congo Belge 33: 114-122. Mar./June 1942. 24 K83
- Elaeis guineensis*.
- 18619 VANDERWEYEN, R. Quelques directives pour l'établissement d'une palmeraie. Bul. Agr. du Congo Belge 35: 80-108. Mar./Dec. 1943. 24 K83
- Elaeis guineensis*.
- 18620 WESTWOOD, R. W. The palm that sweats wax. Nature Mag. 37: 132-134. Mar. 1944. 409.6 N214
- Carnauba palm, *Copernicia cerifera*.
- 18621 WYMAN, DONALD. Food plants in the Arnold Arboretum. Arnoldia 4: 1-8. Mar. 3, 1944. 451 Ar6Ba



Drug, Herb, and Condiment Plants

18622 BODGER, J. C. Growing caraway in California. *Chemurg. Digest* 3: 71-72. Mar. 15, 1944.

381 N213Na

18623 \*BOSHART, K. Der anbau der heil- und gewürzpflanzen. *Forschungsdienst, Sonderheft* 16, p. 543-549. Berlin, 1942. 18 F772

18624 BREWER, W. R., and LAURIE, ALEX. Culture studies of the drug plant, *Atropa belladonna*. *Chemurg. Digest* 3: 65-68. Feb. 29, 1944.

381 N213Na

18625 BURNET, I. N. Herbs. *Gard. Gossip* 19 (2): 9, 14. Feb. 1944. 80 G1625

List of references on herb lore, culture and uses.

18626 CHESLEY, C.H. Culinary herbs. *New England Homestead* 117(5): 2, 8. Mar. 11, 1944. 6 N442

18627 DAVIS, W. C. Pearl Harbor sent quinine home. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 43-45, 50. Mar. 1944. 1 F752A

18628 DUNCOMB, MRS. R. J. Growing herbs is easy. *Back to Eden* 10(9): 2-3. Apr. 1944. 80 E12

18629 GATTEFOSSE, JEAN. Le carvacrol médicinal. *Fruits et Primeurs de l'Afrique du Nord* 14: 8. Jan. 1944. 80 F9482

From *Origanum floribundum* in Algeria and *O. compactum* and *O. elongatum* in Morocco.

18630 GITTINGER, G. S. *Cinchona* and the Count Chinchon, a translation with supplementary notes. *Amer. Jour. Pharm. Ed.* 8: 34-41. Jan. 1944. 396.8 Am33

Translation of passages from "The introduction of the Quina in therapeutics" by Carlos Enrique Paz Soldan, 1941, a second edition of "Tercianos del Conde de Chinchon," 1938.

18631 \*GRIEBEL, C. Über zwei afrikanische ersatzpfefferarten: paradieskörner und mohnpfeffer (Kani). *Ztschr. f. Untersuch. der Lebensmtl.* 85: 426-436. May 1943. 384 Z39

*Anomum melegueta* and *Xylopia aethiopica*.

18632 GRIFFITH, IVOR. Importance of botanicals. *Drug & Cosmetic Indus.* 54: 164. Feb. 1944. 396.8 D842

Comments on the future of botanical drugs.

18633 HARMER, P. M. Experimental studies in peppermint production. *Mich. Muck Farmers' Assoc. Proc.* (1943) 25: 41-42, 44, 46. 4 M5813

18634 HEISER, CHARLES, JR. Quinine or malaria. *Mo. Bot. Gard. Bul.* 32: 33-40. Feb. 1944. 451 M69B

History of the *Cinchona* tree and account of recent investigations.

18635 HODGE, W. H. Hunting *Cinchona* in the Peruvian Andes. *N. Y. Bot. Gard. Jour.* 45: 32-43. Feb. 1944. 451 N48J

18636 \*JARETZKY, R. Untersuchungen heimischer pflanzen auf ihre eignung als laxantien. *Deut. Heilpflanze*, Aug. 1943, p. 29-32; Sept. 1943, p. 33-34; Oct. 1943, p. 37-39. [Bound with *Deut. Apoth. Ztg.*, v. 58, No. 45/46, 49/50, 53/54.] 396.8 Ap4

*Rhamnus frangula*, *R. catharticus*, *Euonymus europaeus*, and *Cuscuta europaea*.

18637 JIMENEZ, OTON. Nuestras plantas medicinales y sus posibilidades económicas. *Costa Rica. Inst. de Defensa del Café Rev.* 14: 121-124. Jan. 1944. 68.28 C82

18638 JOINER, MRS. R. F. Victory seasonings [culinary herbs]. *Hort. News* 10: -19. Mar. 1944. 80 H7815

18639 KOVAR, ANTONIO. Principales plantas medicinales de El Salvador. (To be cont.) *Café de El Salvador* 14: 311-318. Jan. 1944. 68.28 C112

18640 MOLDENKE, H. N. Strategic drug plants. *Amer. Mus. Nat. Hist., Nat. Hist.* 53: 132-138. Mar. 1944. 500 N483J

Strategic plants, No. VII.

18641 NELSON, RAY. Present status of wilt-resistant hybrid mints and plans for their further development. *Mich. Muck Farmers' Assoc. Proc.* (1943) 25: 38, 40. 4 M5813

18642 SIEVERS, A. F., and LOWMAN, M. S. Experiments on the growing of mydriatic drug plants. *Amer. Pharm. Assoc. Jour.* 33: 45-56. Feb. 1944. 396.9 Am33J

*Belladonna*, *henbane*, and *stramonium*.

18643 SMALL, JAMES. Sage. A pocket-lens study. *Food* 13: 43-46. Feb. 1944. 389.8 F738

18644 SMALL, JAMES. Thyme. A pocket-lens study. *Food* 13: 13-16. Jan. 1944. 389.8 F738

18645 STOFFELS, E. H. J. L'exploitation des plantations de *Cinchona ledgeriana*. *Bul. Agr. du Congo Belge* 35: 72-79. Mar./Dec. 1943. 24 K83

18646 TAYLOR, NORMAN. Come and expel the green pain. *Sci. Monthly* 58: 176-184. Mar. 1944. 470 Sci23

Historical account of the narcotic uses of *ololiuqui* (*Rivea corymbosa*) and *peyote* (*Lophophora williamsii*).

18647 \*VALENTIEN, OTTO. Zurück zur heimischen gewürz- und wildgemüsepflanze. *Gartenbau im Reich* 24: 77-78. July/Sept. 1943. 80 G199

Dye and Tannin Plants

18648 HERMANN, F. J. Wattle bark. *Chemurg. Digest* 3: 60-63, 72-73. Feb. 29, Mar. 15, 1944. 381 N213Na

18649 THURIAUX, L. Matières tannantes d'origine végétale au Katanga. *Bul. Agr. du Congo Belge* 34: 245-254. Sept./Dec. 1942. 24 K83

Rubber Plants

18650 ALLEN, P. H. The rubber country of Colombia. *Mo. Bot. Gard. Bul.* 32: 50-54. Feb. 1944. 451 M69B

18651 APPLE, S. B. Possibilities in the production of Russian dandelion *Taraxacum kok-saghyz*. *Mich. Muck Farmers Assoc. Proc.* (1943) 25: 10. 4 M5813

18652 BEIRNAERT, A. Over enkele eigenschappen van eenige meest bekende hevea-cloonen. *Bul. Agr. du Congo Belge* 34: 226-244. Sept./Dec. 1942. 24 K83

18653 INSTITUT NATIONAL POUR L'ÉTUDE AGRONOMIQUE DU CONGO BELGE. Résistance au vent des clones d'hévéa dans la région de Yangambi. *Bul. Agr. du Congo Belge* 32: 69-82. Mar./Dec. 1941. 24 K83

18654 LEE, J. A. Amazon Basin as a source of rubber. *Chem. & Metall. Engin.* 51: 140-142. Feb. 1944. 381 E12

18655 MARTIN, GEORGE. Competitive rubber plants. *Roy. Soc. Arts Jour.* 92: 146-155. Feb. 18, 1944. 501 L874J

18656 RUBBER RESEARCH SCHEME (CEYLON). Notes on budgrafting procedure [of Hevea]. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 1, rev., 6 p. Agalawatta, 1943. 78.9 R826

18657 RUBBER RESEARCH SCHEME (CEYLON). Planting and after-care of budded stumps and stumped buddings [of Hevea]. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 8, rev., 4 p. Agalawatta, 1943. 78.9 R826

18658 RUBBER RESEARCH SCHEME (CEYLON). Root disease [*Fomes lignosus*] in replanted areas. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 10, Sup., 2 p. Agalawatta, 1943. 78.9 R826

Area interplanted with cassava which spreads the disease.

18659 SCHACHMEYER, CHRISTIAN. Contribution à l'étude de la variabilité de deux caractères principaux de l'hévéa cultivé. *Bul. Agr. du Congo Belge* 34: 182-205. Sept./Dec. 1942. 24 K83

Dutch summary.



- 18660 SCHERY, R. W. Some secondary rubbers in Ceará, Brazil. Mo. Bot. Gard. Bul. 32: 41-50. Feb. 1944. 451 M69B

Ceará rubber plant and mangabeira.

#### Weeds and Poisonous Plants

- 18661 ALLAN, H. H. Dodder, its life history and methods of control. New Zeal. Jour. Agr. 68: 43, 45, 47. Jan. 15, 1944. 23 N48J
- 18662 CORNU, CH. Le pyrethre au Maroc. Fruits et Primeurs de l'Afrique du Nord 13: 94-95. May 1943. 80 F9482
- 18663 DEFANCE, J. A. The killing of weed seed in compost by the use of certain fertilizers and chemicals. Amer. Soc. Hort. Sci. Proc. 43: 336-342. Nov. 1943. 81 S012
- 18664 FENTON, E. W. Drainage spoil has its dangers. Farmer & Stock-Breeder 58: 329. Feb. 29, 1944. 10 F228
- Plants poisonous to livestock.
- 18665 FRICKE, E. F. White weed - *Lepidium draba* [Cardaria draba]. Tasmanian Jour. Agr. 14: 121-125. Nov. 1, 1943. 23 T182T
- 18666 GATTEFOSSE, JEAN. La scille ratoxique marocaine. Fruits et Primeurs de l'Afrique du Nord 14: 11. Jan. 1944. 80 F9482
- 18667 GONZALEZ, GARCIA. Perjuicios que causa el nopal a la industria pecuaria. Chihuahua Ganad. 4 (38): 28-31. Feb. 1943. 43.8 C43
- 18668 \*HAHN, EUGEN. Fenchel-anbau in der Ostmark. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 232. Oct. 1, 1943. 80 G196
- 18669 \*HUXTER, KR. Pferdevergiftung durch Thuja. Deut. Landw. Tierzucht. 47: 180. Aug. 23, 1943. 49 D48
- 18670 \*HUBERT, K. Ackersenf u. hederichbekämpfung. Landesbauernschaft Sachsen-Anhalt. Wchnbl 101: 264. May 8, 1943. 18 Sa9
- 18671 MARSICO, D. F. La cuscuta. Buenos Aires (City) Bolsa de Cereales Rev. 31(1635): 5. Jan. 29, 1944. 287 B866
- 18672 PAREDES C., ALFREDO. El chamico. II. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 37-56. Sept. 1943. 451 Ec9
- 18673 \*RADELLACHER, B. Untersuchungen über biologie und bekämpfung der unkräuter. Forschungsdienst Sonderheft 16, p. 330-333. Berlin, 1942. 18 F772
- 18674 RIMBACH, A. El ajo silvestre (*Nothoscordum inodorum*). Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 74-85. Sept. 1943. 451 Ec9
- 18675 SAXBY, S. H. Weeds. New Zeal. Jour. Agr. 68: 9-12. Jan. 15, 1944. 23 N48J
- Perennial weeds.
- 18676 TIMSON, S. D. Prussic acid content of the giant star grasses (*Cynodon plectostachyum*) and of Kavirondo sorghum. Rhodesia Agr. Jour. 40: 371-373. Nov./Dec. 1943. 24 R34
- 18677 \*\*WRAAE-JENSEN, H. Ukrudtbekæmpelse i frømarkerne [Weed control in seed fields]. Tidsskr. for Frøavl No. 369, p. 208-212. 1943. Abs. in Herbage Abs. 13: 343. Dec. 1943. 241 Im733

#### SOILS AND FERTILIZERS

##### SOIL SCIENCE

- 18678 CIGALES, JUAN DE. Las tierras preferibles. Ceres [Spain] 4(42): 21. Dec. 1939. 15 G33
- 18679 COMPTON, L. L. How to guess right about planting spring crop on abandoned wheat land. Kans. Farmer 81(5): 7. Mar. 4, 1944. 6 K13
- To fallow or plant a spring-sown crop depends upon the moisture in the soil.
- 18680 \*DEUTSCHER NORMENAUSCHUSS. Normblätter für landwirtschaftliche bodenuntersuchungen. Bodenk. u. Pflanzenernähr. 30: 329-342. 1943. 384 Z343A
- R. Herrmann, chairman.
- 18681 GONZALEZ, A. DE J. El suelo, como base de la agricultura. Vaqueros 4 (1/2): 9. Jan./Feb. 1944. 43.8 V41
- 18682 \*HERRMANN, R. Allgemeine untersuchungsmethodik und methodik der bodenuntersuchung. Forschungsdienst, Sonderheft 16, p. 79-87. Berlin, 1942. Ref. p. 84-87. 18 F772
- 18683 \*KUBIENA, W. Die dünn schlifftechnik in der bodenuntersuchung. Forschungsdienst, Sonderheft 16, p. 91-97. Berlin, 1942. 18 F772
- 18684 ROMINE, D. S., and MCALLISTER, D. R. Soil laboratories cooperating on testing; how to take samples for test explained. Cole. Farm Bul. 6 (2): 3-5. Mar./Apr. 1944. 100 C718
- 18685 SANTILLAN, L. A., and HEREDIA LUNA, S. Tucuman - su suelo y su clima. Montevideo Univ. Facult. de Agron. Rev., No. 32, p. 33-71. May 1943. 102.5 M76R
- 18686 \*VILLAR, E. H. DEL. Bref exposé de mes travaux personnels intéressant la connaissance des sols méditerranéens. Fruits et Primeurs de l'Afrique du Nord 13: 76-77. Apr. 1943. 80 F9482

##### Soil Physics

- 18687 BROWNING, G. M., and MILAM, F. M. Effect of different types of organic materials and lime on soil aggregation. Soil Sci. 57: 91-106. Feb. 1944. 56.8 S03
- 18688 HUBERTY, M. R. The drainage and permeability characteristics of soils on which avocado tree decline and collapse are prevalent. Calif. Avocado Soc. Yearbook 1943: 38-40. 81 C128
- 18689 LIBES, RENÉ. Répartition de l'eau dans le sol. Prog. Agr. et Vitic. 60: 183-187. June 6, 1943. 14 P94
- 18690 \*MADOS, L. Eine Schnellmethode zur serienweisen Bestimmung der Adsorptionsungesättigtheit von Böden. Bodenk. u. Pflanzenernähr. 32: 351-358. 1943. 384 Z343A
- 18691 \*NOSTITZ, A. VON. Über den einfluss des elektrischen stromes auf pflanze und böden. Bodenk. u. Pflanzenernähr. 32: 146-154. 1943. 384 Z343A
- 18692 PARKER, E. R., and ROUNDS, M. B. Relationship of soil moisture and drainage conditions to tree decline in avocado orchards. Calif. Avocado Soc. Yearbook 1943: 34-37. 81 C128



18693 \*REINAU, E. H. Über volumenometer. Bodenk. u. Pflanzenernähr. 32: 319-324. 1943. 384 Z343A

18694 REITEMEIER, R. F., and RICHARDS, L. A. Reliability of the pressure-membrane method for extraction of soil solution. Soil Sci. 57: 119-135. Feb. 1944. 56.8 So3

18695 ROMANOVSKY, VSEVOLOD. Sur un appareil permettant la détermination de la perméabilité des sols. Paris. Acad. des Sci. Compt. Rend. 216: 387-391. 1943. 505 P21

18696 \*SCHACHTSCHABEL, P. Untersuchungen über die sorption im boden. Forschungsdienst, Sonderheft 16, p. 87-90. Berlin, 1942. 18 F772

18697 SMITH, R. M., BROWNING, D. R., and POELMAN, G. G. Laboratory percolation through undisturbed soil samples in relation to pore-size distribution. Soil Sci. 57: 197-213. Mar. 1944. Ref., p. 212-213. 56.8 So3

#### Soil Chemistry and Mineralogy

18698 ALDRICH, D. G., HELLMAN, N. N., and JACKSON, M. L. Hydration control of montmorillonite as required for its identification and estimation by x-ray diffraction methods. Soil Sci. 57: 215-231. Mar. 1944. 56.8 So3

18699 \*ARND, TH., and LEISEN, E. Die bestimmung des gesamt-kali- und phosphorsäuregehaltes von moorböden nach der flammenphotometrischen bzw. kolorimetrischen methode. Bodenk. u. Pflanzenernähr. 30: 51-62. 1942. 384 Z343A

18700 ATKINSON, H. J., and TURNER, R. C. Soil colloids: II. Separation by peptization. Soil Sci. 57: 233-240. Mar. 1944. 56.8 So3

18701 BOYNTON, DAMON, and COMPTON, O. C. Normal seasonal changes of oxygen and carbon dioxide percentages in gas from the larger pores of three orchard subsoils. Soil Sci. 57: 107-117. Feb. 1944. 56.8 So3

18702 \*CHRISTENSEN, J. D. Den kemiske jordbundsundersøgelse. Ugeskr. for Landmaend 88: 465-468. June 25, 1943. 11 U63

Excerpt from an article published in Ladelund Elevforenings Aarskrift on chemical soil analysis as a guide in the use of fertilizers.

18703 DE GROOF, G. Notions elementaires sur le pH. X. Le pH du sol - sa mesure. Bul. Agr. du Congo Belge 32 (1/4): 65-68. Mar./Dec. 1941. 24 K83

18704 DUNTON, E. M., JR. Some effects of organic matter on phosphate fixation in New York soils. Cornell Univ. Abs. of Theses, 1942: 447-450. 1943. 241.8 C81

18705 FLYNN, C. A. La capacidad total del suelo para bases de cambio en su relación con otros factores agrológicos. - Su influencia en los rendimientos de las pasturas naturales. Montevideo Univ. Facult. de Agron. Rev., No. 32, p. 103-110. May 1943. 102.5 M76R

18706 GRIN', G. S. Pro dzherela zasolennia gruntiv serechnoi MaddnTprianshchInt [About the sources of salinization of soils of the middle Dnieper region.]. Kifv. Akad. Nauk URSR. Dopovid (Kiev. Acad. Sci. Ukrainian SSR. Rpts. 1942, No. 3/4, p. 61-65. 511 K54

18707 \*HERRMANN, R., and LEDERLE, P. Ein abgeändertes photo-rex - sinchlorürverfahren zur bestimmung der phosphorsäure in bodenausgüßen mit laktatlösungen nach H. Riehm. Bodenk. u. Pflanzenernähr. 32: 306-315. 1943. 384 Z343A

18708 \*JAROVENKO, A. F. Do pitannia pro gli-binne pokhodzhennia soi i solonchakakh Dniprovskogo-Donets'kogo basaina [Some notes on deep sources of salts in saline soils of the Dnieper-Donetz basin.]. Kifv. Akad. Nauk URSR. Dopovid (Kiev. Acad. Sci. Ukrainian SSR. Rpts.) 1942, No. 3/4, p. 55-59. 511 K54

English summary, p. 59.

18709 \*JUNG, ERHARD. Zur Kenntnis der Ton-Humusbinding. Bodenk. u. Pflanzenernähr. 32: 325-336. 1943. Ref. 384 Z343A

18710 KUNIN, ROBERT, and ROBBINS, W. R. Relative availability to plants of exchangeable calcium from soil separates of sand, silt, and clay. Soil Sci. 57: 137-142. Feb. 1944. 56.8 So3

18711 \*MILEFF, D. P. Chemische untersuchungen über einige eigentümlichkeiten des bodenhumus. Bodenk. u. Pflanzenernähr. 32: 358-364. 1943. 384 Z343A

18712 NAGELSCHMIDT, G. The mineralogy of soil colloids. Imp. Bur. Soil Sci. Tech. Commun. 42, 33 p. Harpenden, England, 1944. Ref., p. 31-33. 56.9 Im72

18713 \*NEHRING, K. Die bestimmung des austauschbaren kaliums als mittel zur beurteilung der kalibedürftigkeit der böden. Bodenk. u. Pflanzenernähr. 30: 36-51. 1942. 384 Z343A

18714 NETO, J. E. DE P. Determinação do valor T-S na terra roxa legítima e a aplicação da fórmula Vageler. Bragantia 2: 339-353. Sept. 1942. 102.5 B73Tb

18715 \*NITZSCH, W. VON. Möglichkeiten, art und wirkung der anlagerung von flüssigkeiten, gasen und ionen am sorptionskomplex und folgen für die ackerbaulichen eigenschaften der boden. Bodenk. u. Pflanzenernähr. 30: 180-189. 1942. 384 Z343A

18716 \*OKÁČ, A. Über die Extraktion der assimilierbaren Phosphorsäure in Böden nach der Egnér-Methode. Bodenk. u. Pflanzenernähr. 32: 315-318. 1943. 384 Z343A

18717 PEECH, MICHAEL, and ENGLISH, LEAH. Rapid microchemical soil tests. Soil Sci. 57: 167-195. Mar. 1944. Ref., p. 194-195. 56.8 So3

18718 PINEAU, M. A., and CHOINIERE, LUCIEN. Determination du magnésium échangeable dans les sols par la 8-hydroxyquinoline. Bonne Terre 24: 163-175. Nov./Dec. 1943. 7 B64

18719 RATSEK, J. C. Effect of sulphur particle size and of aluminum sulphate on rate of soil acidification. Amer. Soc. Hort. Sci. Proc. 43: 281-283. Nov. 1943. 81 Sol2

18720 \*SMOLÍK, L. Einfluss des bodenaustrocknens auf die menge der assimilierbaren phosphorsäure. Bodenk. u. Pflanzenernähr. 32: 126-128. 1943. 384 Z343A

18721 \*SPRINGER, U. Beitrag zur fraktionierung der echten humusstoffe. Bodenk. u. Pflanzenernähr. 32: 129-146. 1943. 384 Z343A

18722 \*SÜCHTING, H. Über zersetzungs- und humusbildungsvorgänge bei waldstreu-, A<sub>0</sub>-humusarten und vergleichs- und modellstoffen. Bodenk. u. Pflanzenernähr. 32: 243-295. 1943. 384 Z343A

#### Soil Microbiology

18723 COLWELL, W. E. A biological method for determining the relative boron content of soils and chemical studies on certain metabolites. Cornell Univ. Abs. of Theses, 1942: 442-446. 1943. 241.8 C81

18724 \*ENGEL, H. Arbeiten über nitrifikationsbakterien. Forschungsdienst, Sonderheft 16, p. 144-146. Berlin, 1942. 18 F772

18725 \*FRANCE, A. Der kampf im boden. Deut. Cart. 58: 46. Apr. 1943. 80 P883

Animal life in soil.

18726 \*FRANZ, H. Bildung von humus aus pflanzlichem bestandsabfall und wirtschaftsdünger durch kleintiere. Bodenk. u. Pflanzenernähr. 32: 336-351. 1943. Ref. 384 Z343A

18727 NELSON, R. T. Studies of microbial activity, chlorate reduction, and chlorate toxicity in soils treated with sodium chlorate. Jour. Agr. Res. 58: 221-237. Mar. 1, 1944. 1 Ag84J



18728 \*RIPPEL, A. Mikrobiologie. Forschungs-  
dienst, Sonderheft 16, p. 138-143. Berlin, 1942.  
Ref. p. 142-143. 18 F772

18729 \*SCHANDERL, HUGO. Vergleichende unter-  
suchungen über den stickstoffhaushalt von leguminösen  
und nichtleguminösen. Deut. Bot. Gesell. Ber. 60  
(Generalversamml.-heft 1): (86)-(93). Mar. 20, 1943.  
451 D48

18730 SEKERA, F. Aus der praxis des bäuerlichen  
bodengesundheitsdienstes. Mitt. f. die Landw. 58:  
703-705. Aug. 28, 1943. 18 D48M

18731 STEPHENSON, R. E. Living organisms help  
to keep soil productive. Calif. Cult. 91: 130-131.  
Mar. 4, 1944. 6 C12

#### Soil-Plant Relationships and Soil Requirements

18732 KLOTZ, L. J., and SOKOLOFF, V. P. The  
possible relationships of soil organisms to avocado  
tree decline and collapse. Calif. Avocado Soc.  
Yearbook 1943: 30-33. 81 C128

18733 \*KUHNKE, A. Wasser- und nährstoffhaushalt  
des bodens. Forschungsdienst, Sonderheft 16, p. 97-  
105. Berlin, 1942. 18 F772

18734 L., H. M. The determination of nutrient  
deficiencies. Internatl. Sugar Jour. 46: 36-37.  
Feb. 1944. 65.8 In8

18735 \*RIEHM, H. Neue verfahren zur bestimmung  
der pflanzennährstoffe im boden. Mitt. f. die Landw.  
58: 773-774. Sept. 18, 1943. 18 D48M

18736 \*SÜCHTING, H. Untersuchungen über die  
Ernährungsverhältnisse des Waldes. IX. Einfluss der  
Reaktion und der Entsäuerung des Bodens durch Kalk  
bzw. Magnesia auf Wachstum und Nährstoffaufnahme der  
Lärche, Kiefer und Fichte. Bodenk. u. Pflanzen-  
ernähr. 32: 365-375. 1943. 384 Z343A

#### Soil Genesis, Formation, Classification, and Mapping

18737 BELZILE, THURIBE. À travers le Canada  
agricole. III. Visite de l'université agricole du  
Manitoba. Terre de Chez Nous 16(24): 6. Mar. 15,  
1944. 7 T27

Notes the soil types in Manitoba.

18738 CLINE, M. G. A study of the significance  
of differences among mapping units and a method of  
generalization of the detailed soil map of northern  
Livingston County, New York. Cornell Univ. Abs.  
of Theses, 1942: 438-441. 1943. 241.8 C81

18739 \*EKSTRÖM, GUNNAR. Jordklassifikationer  
vid den praktiska jordkarteringen. Stiffelse  
Svenska Lantbruksveckan. Handl. (1943) 32: 239-246.  
11 Sw34

Soil classification for soil mapping.

18740 LEPAGE, ERNEST. Les lichens, les mousses  
et les hépatiques du Québec. III. Nat. Canad. 71:  
40-46. Jan./Feb. 1944. 410 N216

Soil formation.

18741 \*PENNINGSFELD, F. Zur darstellung des  
verwitterungsvorganges und der bodenprofilausbildung.  
Bodenk. u. Pflanzenernähr. 31: 1-10. 1943.  
384 Z343A

18742 \*SOKOLOVSKII, O. N. Novi dani schchodo  
genezisu galogennikh gruntiv [Some new data on the  
origin of halogenic soils]. Kifv. Akad. Nauk  
URS. Dopovidy (Kiev. Acad. Sci. Ukrainian SSR. Re-  
ports) 1942, No. 3/4, p. 41-46. 511 K54  
English summary, p. 46.

18743 WHITE, J. T., and TE RIELE, H. J. Bodem-  
kundig onderzoek en kolonisatie in de Buitengewesten.  
I. Voorbereiding en organisatie, by J. T. White; II.  
Werkzaamheden en resultaten, by H. J. Te Riele.  
Netherlands Indies. Commissie voor Migratie en Kolon.  
van Inheemschen. Kolon. Bul. 11, 40 p. Batavia,  
1941. 282.29 Ea72

A report of soil surveys made in the Netherlands  
Indies for purposes of settlement. Includes statis-  
tics of families and individuals settled in various  
districts.

#### SOIL MANAGEMENT

18744 \*DOBERT, H. Fruchtfolgegestaltung und  
stickstoffhaushalt. Mitt. f. die Landwirtschaft  
58: 895-897. Oct. 30, 1943. 18 D48M

18745 GREYN, JESSE. There is always a changing  
soil frontier. Mont. Farmer 31(4): 1, 10. Mar.  
15, 1944. 6 M764

18746 \*GRIESBECK, A. Bedeutung guter vorfrüchte  
für die stickstoffversorgung der böden. Mitt. f.  
die Landw. 58: 763-765. Sept. 18, 1943. 18 D48M

18747 \*KANENBERG, H. Warum meliorationen in  
den trockengebieten des ostens. Mitt. f. die Landw.  
58: 920. Nov. 6, 1943. 18 D48M

18748 PAINTER, J. H. Mulching, a valuable  
treatment for young tung trees in potassium deficient  
soil. Amer. Tung Oil Assoc. Papers (1943) 9: 19-  
23. 77.9 Am32

18749 SWEETSER, G. A. The fundamentals of soil  
management. Amer. Rose Ann. 1944: p. 93-100.  
81 Am31A

#### Soil Fertility

18750 \*A. Bodenuntersuchung und mineraldüngung.  
Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 378.  
July 3, 1943. 18 B34W

18751 ALLARD, OMER. Nos pâturages. Bul. des  
Agr. 40(3): 17, 18-19. Mar. 1944. 7 B872

18752 ALLEN, H. R., and GAULT, IELAH. Factors  
affecting determination of acid- and base-forming  
quality of fertilizers. Assoc. Off. Agr. Chem. Jour.  
27: 171-177. Feb. 15, 1944. 381 As7

18753 ALLEN, R. C. Balanced diets and better  
roses. Home Gard. 3 (3): 14-15. Mar. 1944. 80 H756

18754 ANDERSON, W. S. Sweetpotatoes need nitro-  
gen fertilizers. Farm for Victory, Feb. 1944, p.  
13. 281.8 F226

18755 \*ANGERER. Bewirtschaftung der moore in  
hinsicht auf höchsterträge und kreiswirtschaftliche  
belange. Deut. Landeskult.-Ztg. Beilgae. Mitt. f.  
Moorwirtschaft 12: 63-64. Apr. 1942. 18 D484

18756 \*ASDONK, T., and JACOB, A. Zusammen-  
fassung der ergebnisse der in den jahren 1935 bis  
1938 durchgeführten kalidüngungsversuche der Land-  
wirtschaftlich-Technischen Kalistelle und der Land-  
wirtschaftlichen Abteilung des Deutschen Kalisyn-  
dikats. VI. Wiese und VII: Erörterung der Gesamt-  
ergebnisse. Bodenk. u. Pflanzenernähr. 32: 16-35.  
1943. 394 Z343A

18757 \*BÄR, HEINZ. Gärtnern mit torfmuß.  
Schweiz. Gart., No. 10, p. 268-272. Oct. 1943.  
80 Sch93

18758 BAHRT, G. M., and KILBY, W. W. Fertiliz-  
ing tung with elements other than nitrogen, phosphor-  
us and potassium. Amer. Tung Soil Assoc. Papers  
(1943) 9: 30-33. 77.9 Am32

18759 \*BAIKS, R. Über die bedeutung des schwe-  
fels in der pflanzenernährung. Forschungsdienst,  
Sonderheft 16, p. 217-220. Berlin, 1942. 18 F772

18760 BAUR, KARL. 100,000 tons of hay for  
west'n Washington dairymen. Farm for Victory, Feb.  
1944, p. 12-13. 281.8 F226

Increasing production through the use of nitrogen.  
18761 BAYER, L. D. Use nitrogen efficiently to  
achieve maximum food and feed production. Farm for  
Victory, Feb. 1944, p. 10. 280.8 F226

18762 \*BEINERT. Kein kartoffelkraut verbrennen!  
Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 485.  
Sept. 4, 1943. 18 B34W

18763 \*BEINERT, KARL. Jauche ist wertvol für  
futterzwischenfrüchte. Landesbauernschaft Bayern.  
Wchnbl. Ausg. A. 133: 425. July 31, 1943. 18 B34W  
Also in Landesbauernschaft Württemberg. Wchnbl.  
110: 443. July 31, 1943. 18 W96



18764 BENTON, R. J. Magnesium deficiency. High acidity in NSW upper Murray soils. Dolomite lime as corrective. *Citrus News* 20: 3-4. Jan. 31, 1944. 80 C494

18765 \*BLANCK, E., and BOCHT, B. Vegetationsversuche mit uniwapophosphat. *Bodenk. u. Pflanzenernähr.* 32: 95-100. 1943. 384 Z343A

18766 \*BÖHMIG, F. Handelsdünger und stallungersatz bei topfpflanzen. Blumen u. Pflanzenbau ver. mit *Gartenwelt* 47: 241. Oct. 15, 1943. 80 G196

18767 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake a cheap and effective manure for the rice crop. *Bombay. Dept. Agr. Spec. Pam.* 2, 2 p. Poona, 1941? 22 B63Sp

18768 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake an effective and cheap manure for the cotton crop. *Bombay. Dept. Agr. Spec. Pam.* 3, 2 p. Poona, 1941? 22 B63Sp

18769 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake a valuable and cheap manure for sugarcane. *Bombay. Dept. Agr. Spec. Pam.* 1, 2 p. Poona, 1941? 22 B63Sp

18770 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Manuring of sugarcane in the Bombay-Deccan. *Bombay. Dept. Agr. Leaflet (n. s.)* 1943, No. 2, 6 p. Poona, 1943. 22 B63L

18771 \*BRICHMONT, J. La fertilisation des vergers. Les engrais verts naturels. *Fruits et Primeurs de l'Afrique du Nord* 13: 206-207. Dec. 1943. 80 F9482

18772 BUCHNER, ENRIQUE. La importancia de los abonos en las plantas forrajeras. *Unión Agr. del Sur* 1 (8): 16-19; 2 (9): 42-48. Nov. 1943, Jan. 1944 9.3 Un3

18773 BULL, A. D. Coalgate, Okla., farm no "Lucky streak." Better Crops with Plant Food 28(2): 21-23, 48-49. Feb. 1944. 6 B46

18774 BUNTING, A. H. The facts about soil fertility. *Country Life [London]* 95: 326-328. Feb. 25, 1944. 80 C83

18775 BUTTERFIELD, H. M. The effect of sawdust on plant growth. *Calif. Hort. Soc. Jour.* 5: 31-32. Jan. 1944. 81 G1293

Addition of sawdust to improve the physical condition of the soil.

18776 CAPO, B. G. Available nutrient contents of Puerto Rican soils as determined by pot tests. *Cornell Univ. Abs. of Theses*, 1942: 434-437. 1943. 241.8 C81

18777 \*CARLE, G. Des modifications observées dans le sol d'une agrumeraie. *Fruits et Primeurs de l'Afrique du Nord* 13: 74-75. Apr. 1943. 80 F9482

18778 CHAPMAN, C. J. Plow-sole fertilizers increase the profits. *Better Crops with Plant Food* 28(2): 7-12, 46-48. Feb. 1944. 6 B46

18779 CHAPMAN, C. J. Save the manure and use more fertilizer. *Wis. Agr. and Farmer* 71(5): 10-11. Mar. 4, 1944. 6 W751

18780 COLEMAN, RUSSELL, and ASHLEY, T. E. The value of fertilizer for oats. *Miss. Farm Res.* 7 (2): 5-6. Feb. 1944. 100 M69M1

18781 COLLINS, E. R. Timing important in applying nitrogen. *Farm for Victory*, Feb. 1944, p. 8. 280.8 F226

18782 COPISAROW, MAURICE. Grassland improvement. *Nature [London]* 153: 256-257. Feb. 26, 1944. 472 N21

Fertilizers for improvement.

18783 DAHLBERG, H. W. Fertilize and realize more profit in 1944. *Natl. Beet Grower* 12 (2): 11-12. Mar. 1944. 280.28 N21

18784 DEGER, ERWIN. La importancia de la cal en la agricultura y su especial interes para los suelos de Guatemala. (To be cont.) *Rev. Agr. [Guatemala]* 20(10/12): 71-79. Oct./Dec. 1943. 8 G934

18785 DICKY, J. B. R. Where shall we put the nitrogen? *Pa. Farmer* 130: 123. Mar. 11, 1944. 6 F383

18786 ÉIRE. DEPARTMENT OF AGRICULTURE. Fertilizers and food production. *Éire. Dept. Agr. Spec. Leaflet* 19, 4 p. Dublin, 1941. 10.5 Ir42S

18787 ÉIRE. DEPARTMENT OF AGRICULTURE. The maintenance of soil fertility. *Éire. Dept. Agr. Spec. Leaflet* 21, 7 p. Dublin, 1943. 10.5 Ir42S

18788 \*ELBERT, W. Versuche mit technischen kalken. *Forschungsdienst, Sonderheft* 16, p. 196-202. Berlin, 1942. 18 F772

18789 \*ENGELS, O. Grundsätze der kalkdüngung. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 568. Oct. 23, 1943. 18 B34W

Also in *Landesbauernschaft Württemb. Wchnbl.* 110: 586. Oct. 23, 1943. 18 W96

18790 \*ENGELS, O. Der nährstoffzustand von wiesen und weiden. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 496. Sept. 11, 1943. 18 D34W

18791 \*ERNEST, E. Wirkungsgrad des kalkes bei verschiedener düngung und wirkung der düngung ohne und mit kalkung. *Bodenk. u. Pflanzenernähr.* 30: 173-179. 1942. 384 Z343A

18792 FINN, R. F. The leaching of some plant nutrients following the burning of forest litter. *Black Rock Forest. Papers* 1: 128-134. Nov. 1943. 99.9 B562B

Burning destroys the organic matter and releases mineral nutrients at a greatly accelerated rate.

18793 \*FRANCK, FR. Winke zur herbstbestellung. *Landesbauernschaft Württemb. Wchnbl.* 110: 499. Sept. 4, 1943. 18 W96

Directions for keeping the soil in a healthy condition.

18794 FRASER, H. The manuring of fruit trees and bushes. *Gard. Illus.* 64: 294. Mar. 1944. 30 G169

18795 \*\*GALLAGHER, P. H., and WALSH, T. Influence of manganese on growth of cereals. *Roy. Irish Acad. Proc.* 49(B): 187-200. 1943. Abs. in *Brit. Chem. and Physiol. Abs.* B III, Jan. 1944, Column 3. 382 B773

18796 GALLUP, C. M. Progress report on earthworms. *Gard. Club Amer. Bul.* 21, p. 40-41. Mar. 1944. 90.36 G16

18797 \*GEBHARD, HELLMUT. Ueber den einfluss von kali und kalk auf den pflanzenertrag und die kaltaufnahme. *Bodenk. u. Pflanzenernähr.* 31: 263-281. 1943. 384 Z242A

18798 \*GERICKE, S. Die düngewirkung der phosphorsäure bei verschiedener stickstoffernährung der pflanze. 2. teil. Der einfluss gleichzeitiger kalk- und magnesiadüngung. *Bodenk. u. Pflanzenernähr.* 32: 223-243. 1943. 384 Z343A

18799 \*GERICKE, S. Untersuchungen über die umsetzungen zwischen phosphorsäure und kalk im boden. II. Teil: Das verhalten der phosphorsäure in böden mit verschiedenem kalkzustand. *Bodenk. u. Pflanzenernähr.* 32: 171-192. 1943. 384 Z343A

18800 \*GEYER, BR. Auf den zweitschnitt kommt es an! *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 338. June 19, 1943. 18 Sa9

Fertilizing meadows after the first crop.

18801 \*GIESECKE, F. Arbeitserfolge und aufgaben der Reichsarbeitsgemeinschaft "Landw.-Chemie." *Forschungsdienst, Sonderheft* 16, p. 71-74. Berlin, 1942. 18 F772



- 18802 \*GIESECKE, F., MICHAEL, G., and HEIDECKER, L. Feldversuche in der Kurmark zur frage einer erhöhung des eiweissertrages durch eine zusätzliche späte stickstoffdüngung zu kartoffeln. Bodenk. u. Pflanzenernähr. 32: 163-170. 1943. 384 Z343A
- 18803 \*GIESECKE, F., and MICHAEL, G. Die phosphorsäurefrage als gegenstand planvoller landwirtschaftlich-chemischer forschung. Forschungsdienst, Sonderheft 16, p. 171-176. Berlin, 1942. Ref., p. 175-176. 18 F776
- 18804 \*GIESECKE, F., and MICHAEL, G. Stickstoff düngungsfragen. Forschungsdienst, Sonderheft 16, p. 191-196. Berlin, 1942. Ref., p. 193-196. 18 F772
- 18805 \*GILCH, D. Beziehungen zwischen düngung, nährstoffgehalt und ertrag der futterländereien. Weidewirtsch. u. Futterbau 18: 14. Oct. 23, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 42/43) 49 D48
- 18806 GRAY, S. D. Efficient fertilizers for potato farms. Better Crops with Plant Food 28(2): 24-26, 42-43. Feb. 1944. 6 F46
- 18807 GREEVES-CARPENTER, C. F. Redwood fiber is ideal soil conditioner. Northwest Gard. and Homes 11 (2): 2. Feb. 1944. 80 N813
- 18808 HANSEN, F. J. Nitrogen fertilization of avocados. Calif. Avocado Soc. Yearbook 1943: 62-64. 81 C128
- 18809 HARO, S. G. DE. Agotamiento de los suelos y necesidad de la restitution por el abonado. Rev. Agr. Guatemala, 20(10/12): 86-89. Oct./Dec. 1943. 8 G934
- 18810 HARRINGTON, F. M. In potato raising, sheek on organic matter and fertilizers in soil. Mont. Farmer 31 (14): 1, 7. Mar. 15, 1944. 6 M764
- 18811 HARRINGTON, F. M. Manure on gardens. Mont. Farmer 31(14): 12. Mar. 15, 1944. 6 M764
- 18812 \*HAUGEN, KRISTIAN. Utkjøring av husdyrgjødsel om vinteren. Norsk Landbruk 9: 66-67. Mar. 5, 1943. 11 N8122
- The transportation of stable manure in the winter time in order to save labor in spring. Does not lose its fertilizing value if kept in small or large piles until spring.
- 18813 HENDRICKS, H. E. The use of borax in the legume-livestock program of the South. Better Crops with Plant Food 28(2): 17-20, 43-46. Feb. 1944. 6 B46
- 18814 HUTCHESON, T. B. Biggest corn crop in history needed. Farm for Victory, Feb. 1944, p. 7. 280.8 F226
- 18815 JOHNSON, BURT. An experiment in applying fertilizer to cotton. (To be cont.) Chemurg. Digest 3: 79-80. Mar. 15, 1944. 381 N213Ma
- 18816 JOHNSON, P. E. Fertilizers and soil treatments for individual crops. Richland Farmer 17 (3): 1, 3. Mar. 1944. 275.293 111.Richland Co.
- 18817 JOHNSTON, J. C. Notes on citrus fertilization. Calif. Citrog. 29: 118. Mar. 1944. 80 C125
- 18818 JUDKINS, W. P., and ROLLINS, H. A. The effect of sod, cultivation and mulch treatments on soil moisture, soil nitrates and tree growth in a young peach orchard. Amer. Soc. Hort. Sci. Proc. 43: 7-10. Nov. 1943. 81 S012
- 18819 \*KAPPEN, H., and BELING, R. W. Zusätzliche späte kalkstickstoffdüngung und N-gehalt der getriedekörner. Bodenk. u. Pflanzenernähr. 32: 155-163. 1943. 384 Z343A
- 18820 \*KICK, H. Die zeitliche änderung des reaktions- und kalkzustandes des bodens sowie der laktatzahlen nach Egnér auf zwei dauerkalkversuchen. Bodenk. u. Pflanzenernähr. 32: 375-390. 1943. 384 Z343A
- 18821 KING, A. S. Orchard soil management under wartime conditions. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 95-101. 81 Or32
- 18822 KING, A. S. What to expect of orchard soils. West. Nut Growers Assoc. Proc. 28 In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 124-131. 81 Or32
- 18823 KORB-WEIDENEHIM, GOTTFRIED FREIHERR VON. Bodengesundheit sichert hohe erträge (erfahrungen aus dem osten). Mitt. f. die Landw. 58: 952-953. Nov. 13, 1943. 18 D48M
- 18824 \*KRAHMER, R. Grundsätzliches über waldbau auf moorboden. Mitt. f. die Landw. 58: 796-798, 816-817. Sept. 25, Oct. 2, 1943. 18 D48M
- 18825 \*LANG, JOSEF. Der landwirtschaftliche beitrage des waldes zur ernährungssicherung. Deut. Forst- u. Jägersch. 25: 156-157. Apr. 30, 1943. 99.8 D483
- 18826 LEES, A. B. 200 tons of clay per acre. Farmer & Stock-Breeder 58: 807. Feb. 22, 1944. 10 F228
- The claying of fens to add body to the soil and to prevent blowing.
- 18827 LOBBE, H. As tefrosias na adubação verde. Chacaras e Quintais 68: 693-695. Dec. 15, 1943. 9.2 C34
- 18828 LÖBBE, HENRIQUE. A importancia do adubo verde. Chacaras e Quintais 68: 562-563. Dec. 15, 1943. 9.2 C34
- 18829 \*MAIWALD, K. Einfluss der düngung auf die qualität von kartoffeln und rüben. Forschungsdienst, Sonderheft 16, p. 152-163. Berlin, 1942. Ref., p. 161-163. 18 F772
- 18830 MARSH, R. H. Fertilizer trials on the Fuerte avocado. A progress report. Calif. Avocado Soc. Yearbook 1943: 55-56. 81 C128
- 18831 MARULL SANTA MARIA, JOSÉ. Cómo se determina la necesidad de abonos en los suelos. Unión Agr. del Sur 2(9): 28-29. Jan. 1944. 9.3 Un3
- 18832 \*MAURI, N. Doit-on fumer dans le fond des trous de plantation? Rev. Agr. de l'Afrique du Nord 41: 17-18. Jan. 22, 1943. 80 R326
- 18833 MENEZES SOBRINHO, A. Adubação das pastagens. São Paulo. Supt. dos Serv. do Carf. Bol. 18: 610-613. Aug. 1943. 68.29 Sa63
- 18834 MILLAR, C. E. The plow-under method of applying fertilizer. Mich. Agr. Expt. Sta. Quart. Bul. 26: 173-176. Feb. 1944. 100 M58S
- 18835 MOORE, E. C. Improving permeability in orchard soils. Calif. Cult. 91: 173. Apr. 1, 1944. 6 C12
- 18836 \*NIESCHLAG, F. Über die magnesia-düngebedürftigkeit leichter sand- und moorböden. Bodenk. u. Pflanzenernähr. 30: 157-173. 1942. 384 Z343A
- 18837 \*OBST. Die kaliversorgung der niederschlesischen böden. Landesbauernschaft Niederschlesien. Wehnl. 10: 539-540. Oct. 9, 1943. 18 S13
- 18838 \*OBST. Phosphorsäureversorgung der niederschlesischen böden. Landesbauernschaft Niederschlesien. Wehnl. 10: 504. Sept. 18, 1943. 18 S13
- 18839 OLSEN, L. C. Ammonium nitrate as a fertilizer for Georgia soils. Amer. Fert. 100 (3): 14. Jan. 29, 1944. 57.8 Am3
- 18840 \*OPITZ, K. Düngung und qualität der faserpflanzen. Forschungsdienst, Sonderheft 16, p. 163-169. Berlin, 1942. 18 F772
- 18841 \*PANNWITZ, E. Die weidewirtschaft im kriege. Mitt. f. die Landw. 58: 946-947. Nov. 13, 1943. 18 D48M
- 18842 PATTON, M. B., GORRELL, F. L., and BROWN, H. D. Relation of fertility levels to tenderness of garden beets. Amer. Soc. Hort. Sci. Proc. 43: 225-228. Nov. 1943. 81 S012



- 18843 FELLEGRIN, V. Nécessité économique des essais d'engrais sur vigne. Prog. Agr. et Vitic. 60: 218-222. Nov. 21/28, 1943. 14 P94
- 18844 PHILLIPS, W. H. Fertilizers for Delaware cantaloupes. Peninsula Hort. Soc. [Del.], Trans. (1943) 57: 88-90. 81 P37
- 18845 \*POSCHENRIEDER, H., and LESCH, W. Untersuchungen über den Einfluss langjähriger einseitiger Düngungsmassnahmen auf die Ausbildung und Nährstoffaufnahme der Wurzelknöllchen von Sojabohne. Bodenk. u. Pflanzenernähr. 32: 1-16. 1943. Ref. 384 Z343A
- 18846 POST, A. H. Green manure crops in Montana. Mont. Farmer 31 (14): 15, 31. Mar. 15, 1944. 6 M764
- 18847 \*PRINZ. Sommerdüngung von wiesen und weiden. Landesbauernschaft Württemb. Wchnbl. 110: 369. June 19, 1943. 18 W96
- 18848 PROBST, A. H. Influence of fertilizer, fertilizer placement, soil moisture content, and soil type on the emergence of soybeans. Amer. Soc. Agron. Jour. 36: 111-120. Feb. 1944. 4 Am34P
- 18849 RAPPE, E. H. Fertilizing hybrid tea roses. Amer. Rose Ann. 1944: 101-104. 81 Am31A
- 18850 \*REINHOLD, J. Schwarzerd als neue humusquelle im gartenbau. Blumen- u. Pflanzenbau ver. mit Gartenwelt 47: 253-255. Oct. 29, 1943. 80 G196
- 18851 \*REITH, E. Zwecksässig wintergetreide düngen. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 283A-284A. May 8, 1943. 18 B34W
- 18852 \*RIEHM, HANS. Bestimmung der kalibedürftigkeit des bodens aus dem kaligehalt des laktatextraktes. Bodenk. u. Pflanzenernähr. 31: 346-356. 1943. 384 Z343A
- 18853 ROGERS, W. B. New ideas in sweetpotato fertilization. Farm for Victory, Feb. 1944, p. 13. 281.8 F226
- 18854 \*RUSCHMANN, G., and others. Über den einfluss des handelshumusdüngers "Nettolin" auf das pflanzenwachstum und die bodeneigenschaften. Bodenk. u. Pflanzenernähr. 32: 35-85. 1943. Ref. 384 Z343A  
R. Thelitz, L. Pozdena, and H. Bartram, joint authors.
- 18855 RUTH, W. A. Potash in peach orchards. Ill. State Hort. Soc. News Letter, No. 2, p. 3-4. Mar. 1944. 81 116N
- 18856 \*SAKSHAUG, BJARNE. Beitene og gjødselsituasjonene. Norsk Landbruk 9: 105-106. Apr. 16, 1943. 11 N8122
- On the fertilization of pastures in view of the shortage of phosphate.
- 18857 \*SAUER, A. Ackerbau auf niederungsmoor- oft eine unerlässliche und zeitgemässe massnahme. Deut. Landeskult.-Ztg. Beilage. Mitt. f. Moorwirtschaft 12: 45-47. Mar. 1, 1943. 18 D484
- 18858 \*SCHARER, K. Düngung und qualität der getreide- und futterpflanzen. Forschungsdienst, Sonderheft 16, p. 146-152. Berlin, 1942. Ref., p. 150-152. 18 F772
- 18859 \*SCHREFFER, F. Humusforschung. Forschungs- dienst, Sonderheft 16, p. 106-115. Berlin, 1942. Ref., p. 113-115. 18 F772
- 18860 \*SCHMALFUSS, K. Düngung und qualität bei öl- und fettpflanzen. Forschungsdienst, Sonderheft 16, p. 169-171. Berlin, 1942. 18 F772
- 18861 \*SCHMITT, L. Der stand der bodenunter- suchungs-sonderaktion, der planmässigen untersuchung der deutschen böden auf kalk- und phosphorsäurezu- stand. Forschungsdienst, Sonderheft 16, p. 75-79. Berlin, 1942. 18 F772
- 18862 SCHOENFELD, W. A. Using earthworms to improve soils. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 35-41. 81 Or32
- 18863 \*SELKE, W. Einsatz der stickstoffdüngung zur winterung. Mitt. f. die Landw. 58: 765-766. Sept. 18, 1943. 18 D48M
- 18864 SERVISS, GEORGE. Humus "carries the ball" for fertilizer. Amer. Agr. 41: 132, 145. Mar. 18, 1944. 6 Am3
- 18865 SHELTON, F. A. Tomatoes in relation to soil fertility. Peninsula Hort. Soc. [Del.], Trans. (1943) 57: 98-102. 81 P37
- 18866 SKINNER, J. J., and WHITTAKER, C. W. Am- monium nitrate for southern crops. Prog. Farmer, Miss.-Ark.-La. Ed. 59 (3): 20. Mar. 1944. 6 So81
- 18867 SMITH, J. B. Pastures respond to ferti- lizers. Better Rural Life 5(3): 1, 3. Mar. 1944. 275.29 B34B
- 18868 SMITH, ORA. Potato fertilization and nu- trition studies in 1942. Amer. Potato Jour. 21: 30-48. Feb. 1944. Ref., p. 46-48. 75.8 P842
- 18869 \*SÖLDNER, R. Stickstoffdüngung für die wintersaaten. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 541. Oct. 16, 1943. 18 Sa9
- 18870 \*SPAHR. Gründlandverbesserung durch um- bruch möglichst vermeiden. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 319A. May 29, 1943. 18 B34W
- 18871 SPANGENBERG, G. E., and VECINO, R. S. Im- portancia de la materia orgánica total del suelo como factor determinante de la producción pratense. Montevideo Univ. Facult. de Agron. Rev., No. 32, p. 9-17. May 1943. 102.5 M76R
- 18872 SREENIVASAN, A. Nitrogenous manuring of black cotton soil. Nature [London] 153 (3871): 55. Jan. 8, 1944. 472 N21
- 18873 STEPHENS, J. L., and BURTON, G. W. Ferti- lizing improved strains of Bermuda grass for in- creased production. Farm for Victory, Feb. 1944, p. 12. 280.8 F226
- 18874 STURGIS, M. B. Potassium content and potash requirement of Louisiana soils. Better Crops with Plant Food 28(2): 6, 50-51. Feb. 1944. 6 P46
- 18875 TESKE, A. H. The orchard feeding program. Va. Fruit 32 (3): 21-22. Mar. 1944. 81 V81B
- 18876 THIEM, GEORGE. Taking the guess out of fertilizer investment. Science gives us a method of forecasting - with uncanny accuracy - yields from the use of potash and phosphates. Successful Farming 42(4): 21, 62-63. Apr. 1944. 6 Sul2
- 18877 \*THUN, R. Gefässversuche zur prüfung des uniwapophosphates. Bodenk. u. Pflanzenernähr. 32: 100-105. 1943. 384 Z343A
- 18878 \*THUN, R. Kalk- und magnesiandüngung. Forschungsdienst, Sonderheft 16, p. 220-226. Berlin, 1942. 18 F772
- 18879 \*THUN, R. Über die beeinflussung der auf- nahme und wirkung verschiedener phosphatdünger durch eine kalk-, magnesiakalk- und magnesiumsulfatdüngung. Bodenk. u. Pflanzenernähr. 30: 137-156. 1942. 384 Z343A
- 18880 \*TSCHUMI, L., and STALE, J. Contribution à l'étude de la reconstitution du vignoble valaisan. Landw. Jahrb. der Schweiz 57: 290-311. 1943. 17 L23
- Fertilizers and soils.
- 18881 TYSON, J. Balance garden soil fertility to produce nutritious vegetables. (To be cont.) Hort. News 10: 24. Mar. 1944. 80 H7815
- 18882 VANDOREN, A. Ammonium nitrate as an or- chard fertilizer. Suffolk Co., N.Y., Farm Bur. News 28 (3): 24. Mar. 1944. 275.293 N.Y.S. Suffolk Co.
- 18883 \*WAUER, O. Bodenmüdigkeit im treib- und freilandgemüsebau. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 218. Sept. 17, 1943. 80 G196



- 18884 WESTBROOK, E. C. How can southern farmers meet '44 production goals? Nitrogen the limiting factor in production. *Farm for Victory*, Feb. 1944, p. 6. 280.8 F226
- 18885 \*WETZEL, A. Wie verwende ich handelsdünger. *Deut. Gart.* 58: 53-54. May 1943. 80 P883
- 18886 \*WIDIEZ, F. La fumure des agrumes à la plantation. *Rev. Agr. de l'Afrique du Nord* 41: 47. Mar. 12, 1943. 80 R326
- 18887 WING, A. S. What makes your garden grow? *Nature Mag.* 37: 202-204, 216. Apr. 1944. 409.6 N214
- 18888 \*WITTICH, W. Grundsätzliches zur Frage der gesteinhildung auf diluvialen sanden. *Deut. Forstwirt.* 25: 77-78, 85-86. Feb. 26, Mar. 5, 1943. 99.8 D483
- 18889 WORDEN, G. N. Soils - crops - nutrition. Minor elements point the way. Pt. I. *New Agr.* 26 (6): 10-11. Mar. 1944. 66.8 Su32
- 18890 YODER, R. E. Fertilize for higher yields. Increase production on same acres. *Ohio Farmer* 193 (5): 9. Mar. 4, 1944. 6 Oh3
- 18891 ZARGER, T. G. Beneficial influence of mulches on two years' growth of planted black walnut varieties. *Amer. Soc. Hort. Sci. Proc.* 43: 5-6. Nov. 1943. 81 Sol2
- 18892 ZIMMERLY, H. H. Leafy green vegetables heavy nitrogen consumers. *Farm for Victory*, Feb. 1944, p. 14. 281.8 F226
- Soil Tilth and Tillage
- 18893 ALBRECHT, W. A. Is the plow on its way out? *Farmer-Stockman* 57: 137, 172. Apr. 1944. 6 Ok45
- 18894 \*BÄR, K. Ödlandkultivierung. *Forschungsdienst, Sonderheft* 16, p. 230-236. Berlin, 1942. 18 F772
- 18895 BEAR, F. E., and EPSTEIN, SAMUEL. The plow - friend or foe? *N. J. Agr.* 20(2): 6-7. Mar./Apr. 1944. 275.28 N46
- 18896 BENNETT, H. H. New ways to plow. *Cap-per's Farmer* 55(4): 11. Apr. 1944. 6 M693
- 18897 BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. The Bombay dry farming system of cultivation. What it means and how cultivators can adopt it on their own lands. *Bombay. Dept. Agr. Leaflet* 1942, No. 5, 14 p. Poona, 1942. 22 B63L
- 18898 BROWN, S. C. Para que lavar? *Rev. Rural Bras.* 23 (277): 14-16. Sept. 1943. 9.2 B733
- 18899 BUEHRER, T. F., and MATLOCK, R. L. The not-so-foolish plowman. *Ariz. Farmer* 23 (6): 3, 12-13. Mar. 11, 1944. 6 Ar44
- 18900 FAULKNER, E. H. Plowless methods for the Southwest. *Farmer-Stockman* 57: 137, 175. Apr. 1944. 6 Ok45
- 18901 FAULKNER, E. H. Why doesn't nature plow? *Home Gard.* 3 (3): 68-71. Mar. 1944. 80 H756
- 18902 \*FRANCK, FR. Die winterfurche auf schwerem boden in rauher lage. *Mitt. f. die Landw.* 58: 916-917. Nov. 6, 1943. 18 D48M
- 18903 \*FRECKMANN. Steigerung, verbesserung und sicherung der ernten durch kulturtechnische massnahmen. *Forschungsdienst, Sonderheft* 16, p. 226-230. Berlin, 1942. 18 F772
- 18904 HAGEN, CECIL. Is plowing folly? *Oreg. Farmer* 57: 127, 142. Mar. 16, 1944. 6 Or32
- 18905 \*HIBON, JEAN. Le travail en profondeur des verges établis en terres compactes. *Fruits et Primeurs de l'Afrique du Nord* 13: 179-181. Nov. 1943. 80 F9482
- 18906 \*JENSEN, LAUR. Vinterpløjning. *Ugeskr. for Landmænd* 88: 745. Oct. 22, 1943. 11 Ug3
- Directions for plowing.
- 18907 KING, A. S. Orchard cultivation and soil management. *West. Nut Growers Assoc. Proc.* 29 In *Oreg. State Hort. Soc. Proc.* (35th Ann. Rpt. 1943) 58: 99-102. 81 Or32
- 18908 MENEZES SOBR., A. Cultivo racional do solo. *Ouro Branco* 9 (5): 14-15. Sept. 1943. 72.8 Ou7
- 18909 SPIVACK, M. J. Intermowing vs. intertilling. I-II. *Jour. Appl. Plant Sociol.*, v. 2, No. 1, 2 p. Nov. 29, 1943; v. 3, No. 1, 2 p. Jan. 1944. Processed. 6 J823
- I. Intertilling is a cause of malaria. [Breeding places for mosquitoes.] II. 2nd annual report of the Morris J. Spivack Institute of Agriculture.
- Stubble-mulch tillage.
- 18910 SYME, P. S. Combating drought on limestone country. *New Zeal. Jour. Agr.* 68: 13-16. Jan. 15, 1944. 23 N48J
- 18911 \*TORNALU. Bodenbearbeitung. *Forschungsdienst, Sonderheft* 16, p. 132-138. Berlin, 1942. Ref., p. 137-138. 18 F772
- 18912 \*TORSTENSSON, G., and ENGE, GUNNAR. Redogörelse för pløjningsförsök (Account of plowing experiments). I. Försök med olika pløjningsdjup (Experiments with different depths of plowing). II. Försök med alvulckring (Experiments with loosening of subsoil). *K. Lantbr. Akad. Tidskr.* 82: 296-329, 369-399. 1943. 104 Sw3
- German summary.
- 18913 WALKER, J. R. Profit or loss in fall plowing? *Utah Farmer* 63(13): 8. Feb. 25, 1944. 6 D45
- 18914 WOLFE, J. W. The man (or woman) with a hoe. *Country Book* 3(4): 36-41. Spring 1944. 6 C836
- Drainage, Irrigation, Water Supply, and Flood Control
- 18915 BAUMANN, PAUL. Control of flood debris in San Gabriel area. *Civ. Engin.* 14: 143-146. Apr. 1944. 290.8 C49
- 18916 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Sir Cusrow Wadia trust fund and "village development projects." *Bombay. Dept. Agr. Soil Conserv. and Anti-Erosion Ser. Leaflet* 2, 4 p. Poona, 1943. 56.9 B63
- 18917 CAMPBELL, J. C. The possibilities of irrigation on potatoes. *Hints to Potato Growers* 24(10): 1-3. Feb. 1944. 75.9 H59
- 18918 COOPER, RICHARD. Algunas observaciones sobre el riego. *Consejos Prácticos* 9, No. 97, 6 p. Jan. 1944. 80 Q762
- 18919 EARL, H. W. Be prepared to irrigate beets up immediately after planting if soil lacks moisture. *U and I Cult.* 4 (1): 16-17. Mar. 1944. 66.8 U12
- 18920 \*FRECKMANN, W. Untergrundbewässerung oder beregnung? *Bodenk. u. Pflanzenernähr.* 29: 353-361. 1943. 384 Z343A
- 18921 GAMA, F. C. Considerações em torno da seca na lavoura rizícola Rio Grandense. *Rev. Agron. [Brazil]* 7: 555. Oct. 1943. 9.2 R325
- 18922 GONZALEZ MORENO, ERNESTO. Calamidades de nuestros campos. *Campo [Buenos Aires]* 28 (326): 50, 69. Dec. 1943. 9 C15
- 18923 HOFFMASTER, P. J. Time to do something about water. *Mich. Conserv.* 13 (2): 6, 11. Feb. 1944. 279.9 M582
- 18924 HUFFMAN, R. E. War and post-war problems of irrigation planning in the northern Great Plains. *Jour. Land and Pub. Util. Econ.* 19: 452-463. Nov. 1943. 282.8 J82
- Includes land development, use, and settlement policies.
- 18925 ISRAELSON, O. W. Wasatch front irrigation resources. *Farm & Home Sci.* 5 (1): 5, 10-11. Mar. 1944. 100 U11F



18926 KEAL, WILLIAM, and GIMSON, MARTIN. Rural water supplies as they affect private owners. Land Agents Soc. Jour. 43: 24-27. Feb. 1944. 282.9 L22

18927 \*MANSFIELD, EDWARD. Portable overhead irrigation. Conquering the summer drought. Overhead irrigation profitable in the rainy regions. New Agr. 26 (6): 6-7. Mar. 1944. 66.8 Su32

18928 MIMS, SAM. Appropriation of riparian lands for levee purposes. [Lj. New Orleans Port Rec. 2(6): 17-18, 23-24. Feb. 1944. 286.8 N472

18929 MORAIS, C. M. O plano contra as enchentes de Porto Alegre e a risicultura riograndense. Rev. Agron. [Brazil] 7: 556-557. Oct. 1943. 9.2 R825

18930 NERY, J. M. Estação experimental de irrigação e drenagem - planos de trabalho. Ceres [Brazil] 5(25): 53-59. Sept./Oct. 1943. 9.2 C332

18931 NICHOLSON, H. H. Field drainage problems. VIII. The best time for draining work. Estate Mag. 44: 69-70. Mar. 1944. 10 Es8

18932 PASSERINI, GINO. Le sistemazioni idraulico-agrarie dei terreni e l'autarchia. Soc. Cult. Propag. Agr. Torino. Collana di Quaderni Agr. 18, 31 p. Torino, 1939. 54 P26

18933 PENNEFATHER, R. R. Planning irrigation development. Provision for adequate research and extension services [New South Wales]. Citrus News 20: 5, 15. Jan. 31, 1944. 80 C494

18934 \*PETERBURGSKIĬ, A. Snegozaderzhanie - sredstvo povysheniia urozhayev [Snow-retention - a means of increasing harvests]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosvyt Kolkhoz. No. 98. Broad-side. Moskva, 1943. 20 Ag88

18935 RECK, S. H., JR. He pulls profits from his creek by irrigating his potatoes. N. J. Farm and Gard. 15(3): 16, 64. Mar. 1944. 6 G162

18936 STEPHAN, L. L. Historico-economic aspects of drainage in the Florida Everglades. South. Econ. Jour. 10: 197-211. Jan. 1944. 280.8 So84

18937 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1942. Part 14. Pacific slope basins in Oregon and lower Columbia River basin. U. S. Geol. Survey. Water-Supply Paper 964, 231 p. Washington, 1943. 407 Q29W

18938 WILLIAMS, M. D. Farm reservoirs: with little effort you can add to your water supply - how to prepare. Ind. Farmers' Guide 100(6): 4. Mar. 15, 1944. 6 In2

18939 YOUNG, T. W. A study of the irrigation of citrus groves in the Vero Beach section of Florida. Fla. State Hort. Soc. Proc. (1943) 56: 8-22. 81 F66

#### Erosion and Erosion Control

18940 BATH, E. J. Soil and water can supply us only if we take care of them. Ohio Farm Bur. News 23(8): 20-21. Mar. 1944. 6 Oh34

18941 BENNETT, H. H. Adjustment of agriculture to its environment. Assoc. Amer. Geog. Ann. 23: 163-198. Dec. 1943. 500 As73

#### Soil conservation.

18942 BENNETT, H. H. How soil conservation aids wildlife. Audubon Mag. 46: 76-86. Mar./Apr. 1944. 413.8 B53

18943 BENNETT, H. H. Kudzu--power plant of South's new agriculture. U. S. Soil Conserv. Serv. Soil Conserv. 9: 171-175. Feb. 1944. 1.6 So33

18944 BENNETT, H. H. Soil conservation goes to war. (Abs.) Roy. Canad. Inst. Trans. (Ser. 3a) 8: 26-30. 1942/43. 517 T63P

18945 BOND, R. M. Soil conservation crops make honey. Amer. Bee Jour., Mar. 1944, p. 88-89. 424.8 Am3

Nectar-bearing legume crops.

18946 \*BORDAS, JEAN. La fragilité de la forêt et de son sol dans le midi Méditerranéen. Prog. Agr. et Vitic. 119: 78-81. Mar. 1943. 14 P94

#### Soil erosion.

18947 CHAMBERS, T. B. Engineering developments in soil and water conservation. Agr. Engin. 25: 86-89. Mar. 1944. 58.8 Ag83

18948 COOK, L. G. Will we be ready when they come marching home? N. J. Farm and Gard. 15(3): 12-13, 28-29. Mar. 1944. 6 G162

18949 COOPER, J. F. Soil conservation will help. Farm for Victory, Feb. 1944, p. 11. 280.8 F226

#### Conservation practices increase production.

18950 COREY, HERBERT. Scientist with his feet in the topsoil. Nation's Business 32 (4): 36, 39-40, 98. Apr. 1944. 286.8 N212

Dr. H. H. Bennett and the work of the Soil Conservation Service.

18951 COTTON, JOHN. Maryland grower goes through drought with big peach crop. Amer. Fruit Grower, Mar. 1944, p. 10, 33. 80 G85

#### Use of cover crops.

18952 DAVIS, C. C. Friends of the land. Staple Cotton Rev. 22 (3): 1-7. Mar. 1944. 72.8 St22

18953 DENNIS, R. S. Three new soil conservation practices of interest to cattlemen in '44 AAA program. Southeast. Cattlemen and Dairy Jour. 3 (7): 6, 27. Jan. 1944. 43.8 F66A

18954 DIAS, J. DE D. DE O. Erosão. Pernambuco, Brazil. Soc. de Agr., Indus., e Com. Bol. 10 (2): 8-32. June 1943. 9.2 P423

18955 HAMILTON, LUTHER. Soil conservation practices pay. Richland Farmer 17(3): 7. Mar. 1944. 275.293 Ill., Richland Co.

18956 HARPER, F. B., and PAXTON, G. E. He put a blanket on his orchard. U. S. Soil Conserv. Serv. Soil Conserv. 9: 200-202. Mar. 1944. 1.6 So3S

18957 HARPER, H. J. Water willows for shoreline erosion control in farm ponds. U. S. Soil Conserv. Serv. Soil Conserv. 9: 212-213. Mar. 1944. 1.6 So3S

18958 HEATH, B. A. What can you do with quack grass? [Controlled growth checks erosion.] Stock & Dairy Farmer 33(7): 2. Mar. 1944. 6 N8195

18959 \*HEILMANN, A. Landwirtschaftliche verwertung städtischer abfallstoffe als bodenverbesserungs- und düngemittel, besonders im gemüsebau. Gesundheits-Ingen. 66: 122-123. Apr. 1943. 449.8 G33

18960 LOWDERMILK, W. C. Hwan Lung Shan, where China's history is written in the land. U. S. Soil Conserv. Serv. Soil Conserv. 9: 203-207. Mar. 1944. 1.6 So3S

18961 MARQUES, J. Q. A. Organização geral da estação experimental de conservação de solos da ESAV. Ceres [Brazil] 5(25): 46-52. Sept./Oct. 1943. 9.2 C332

18962 MILBUEN, W. S. Soil conservation. A fundamental need of agriculture creates opportunities for a new kind of implement and tractor merchandising. Impl. and Tractor 54(6): 34-36. Mar. 11, 1944. 58.8 W41

18963 MORAES, J. DE M. O mais edificante exemplo de restauração de cafésal velho que já vi. São Paulo. Supt. dos Serv. do Café. Bol. 18: 708-717. Sept. 1943. 68.29 Sa63

18964 MUSSER, A. M. Contour planting for fruit farms. Amer. Fruit Grower, Mar. 1944, p. 9, 30-31, 36. 80 G85

18965 NICHOLS, M. L. Postwar plans for soil and water conservation. Agr. Engin. 25: 93. Mar. 1944. 58.8 Ag83



- 18966 PESCOTT, E. E. How watermelons stopped sand-hill from drifting. Stock and Land 34 (3): 2. Jan. 19, 1944. 49 St63
- 18967 RESENDE, ANTÔNIO. Conservação do solo, erosão e seu combate. Ceres [Brazil], 5(25): 27-45. Sept./Oct. 1943. 9.2 C332
- 18968 ROGERS, J. B. Soil and water conservation on orchard lands within the Contra Costa soil conservation district. Amer. Soc. Hort. Sci. Proc. 43:17-20. Nov. 1943. 81 Sol2
- 18969 TATE, ALFRED. The fate of Richland County [Ill.] is in its soil. Richland Farmer 17(3): 5-6. Mar. 1944. 275.293 Ill., Richland Co.
- 18970 TINDALL, CORDELL. Mistakes in terracing and what they teach us. Mo. Ruralist 85(6): 6, 22. Mar. 25, 1944. 6 R8891
- 18971 TRIPP, J. O. H. Erosion...a greater enemy than Hitler. The problem of the high country. New Zeal. Farmer Weekly 64 (25): 4-6. Feb. 10, 1944. 23 N484
- 18972 VERCESI, D. R. La erosión de los suelos en el Uruguay. Algunos antecedentes históricos. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5 (36): 36-38, 40-42. Oct./Dec. 1943. 9.5 K31
- 18973 WILSON, H. M. Will it pay me to strip crop? [N. Y., Del. Co. Farm & Home Bur. News 27(3): 2. Mar. 1944. 275.293 N. Y., Del. Co.

## MATERIALS FOR SOIL IMPROVEMENT

- 18974 ANDREWS, W. F. Buying fertilizer for cotton in 1944. Miss. Farm Res. 7 (2): 3-4. Feb. 1944. 100 M69M1
- 18975 BOND, L. M. Fertilizers play part in war goals. West. Farm Life 46 (6): 3, 10. Mar. 15, 1944. 6 R153
- 18976 CONARD, KENNETH. Ohio fertilizer recommendations and changes. Ohio Farm Bur. News 23 (8): 16. Mar. 1944. 6 Oh34
- 18977 EDEN, T. Report of the agricultural chemist for 1942. Tea Res. Inst. Ceylon. Bul. 24, p. 37-41. 68.19 C33
- Includes experiments with fertilizers.
- 18978 \*GIESECKE, F., MICHAEL, G., and KUHN, L. Über die Wirkung von Uniwapophosphat unter besonderer Berücksichtigung des zeitlichen verlaufs der phosphorsäureaufnahme aus verschiedenen phosphorsäuredüngemitteln. Bodenk. u. Pflanzenernähr. 32: 86-94. 1943. 384 Z343A
- 18979 \*GRIESBECK, Es ist Zeit, den anbau- und düngungsplan für 1943/44 fertigzustellen. Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 357. June 19, 1943. 18 B34W
- 18980 HIBON, J. La fumure des cultures de printemps et nos approvisionnements en engrais. Fruits et Primeurs de l'Afrique du Nord 13: 30-32, 52-53. Feb.-Mar. 1943. 80 F9482
- 18981 \*HOLLER, K. Praktische erfahrungen bei der landwirtschaftlichen verwertung städtischer abwässer. Deut. Landeskult.-Ztg. 12: 19-21. Feb. 1, 1943. 18 D484
- 18982 JONES, R. A. Plant food situation acute in '44. West. Farm Life 46(6): 3, 10. Mar. 15, 1944. 6 R153
- 18983 \*KAPPEN, H., SCHAAL, J., and KRIER, A. Weitere untersuchungen über die humatlöslichkeit der phosphorsäuredünger. Bodenk. u. Pflanzenernähr. 31: 357-376. 1943. 384 Z343A
- 18984 KING, A. S. Fertilizer supplies. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt. 1943) 58: 29-32. 81 Or32

- 18985 LOAYZA, M. C. El guano de islas y la agricultura nacional. (Cont.) Agronomia [Peru], 8(34): 5-28. Dec. 1943. 9.9 Ag83
- 18986 MCGEORGE, W. T. Lowdown on fertilizer. Ariz. Farmer 23 (6): 20. Mar. 11, 1944. 6 Ar44
- 18987 MCMILLAN, DEWEY. The fertilizer situation in Ohio. Ohio State Grange Monthly 45(3): 5. Mar. 1944. 6 Oh33
- 18988 MILLAR, C. E. The fertilizer situation for 1943. Mich. Muck Farmers Assoc. Proc. (1943) 25: 8-9. 4 M5813
- 18989 PRINCE, F. S. Where do we stand with fertilizers? Better Crops with Plant Food 28(2): 13-16, 49. Feb. 1944. 6 B46
- 18990 REBOUR, H. Le problème de la fumure en 1943-1944. Fruits et Primeurs de l'Afrique du Nord 14: 15. Jan. 1944. 80 F9482
- 18991 ROBERTSON, W. C. Artificial fertilizers for 1944. Registrations and unit values. Victoria. Dept. Agr. Jour. 42: 23-24. Jan. 1944. 23 V66J
- 18992 \*SCHMITT, L. Der stand der prüfung der steinmehldüngungsfrage. Forschungsdienst, Sonderheft 16, p. 202-210. Berlin, 1942. 18 F772
- 18993 \*STECHER, EUSTACH. Die landwirtschaftliche verwendung des klärschlammes. Gesundheits-Ingen. 66: 119-122. Apr. 1943. 449.8 G33
- 18994 THORNE, D. W., and PETERSON, H. B. Getting the most out of fertilizers. Farm & Home Sci. 5(1): 1, 8-9. Mar. 1944. 100 Utlf
- 18995 WILCOX, J. C. What's in a fertilizer bag? Every grower should know what he is getting and using. Country Life [British Columbia], 28(3): 20. Mar. 1944. 7 C832

## Primary Materials ( N, P, and K Fertilizers)

- 18996 BROWN, B. E., and WHITTAKER, C. W. Ammonium nitrate for New England crops. New England Homestead 117 (5): 26. Mar. 11, 1944. 6 N442
- 18997 \*CHEVALIER, GASTON. Le nitrate d'ammoniaque. Rev. de l'Afrique du Nord 41: 191. Dec. 3, 1943. 80 R326
- 18998 \*GIESECKE, F., and MANTEL, E. Kalidüngungsfragen als zeitgenösse forschungsprobleme zur leistungssteigerung in der deutschen landwirtschaft. Forschungsdienst, Sonderheft 16, p. 177-180. Berlin, 1942. Ref., p. 178-180. 18 F776
- 18999 GONZALEZ TAFUR, O. B. El acido fosforico en los abonamientos peruanos. Agronomia [Peru], 8 (24): 29-31. Dec. 1943. 9.8 Ag83
- 19000 \*KVAERNER, G. J. Husdyrgjødsels spredning og nedmolding. Norsk Landbruk 9: 106-110. Apr. 16, 1943. 11 N8122
- Method of spreading and placement of stable manure so as to reduce the loss of nitrogen.
- 19001 TRUOG, EMIL. Phosphate fertilizers. Hoard's Dairyman 89: 181. Mar. 25, 1944. 44.8 H65
- 19002 VOLKERDING, C. C. A study of some chemical and biological properties of metaphosphates and their utilization as soil fertilizers. Cornell Univ. Abs. of Theses, 1942: 451-454. 1943. 241.8 C81

## Mineral Soil Amendments ( lime, gypsum, etc.)

- 19003 ROBERTSON, W. C. The Agricultural Lime Act. Brands registered for 1944. Victoria Dept. Agr. Jour. 42: 17-18. Jan. 1944. 23 V66J

## Manures and Composts

- 19004 \*ARAD, J. R. Abonos organicos de gran valor fertilizante. Surco [Madrid], 2(6): 19-20. Aug. 1942. 15 Su7
- 19005 ANDERSON, P. J. Substitutes for cottonseed meal in the tobacco fertilizers. New England Homestead 117 (5): 17, 22. Mar. 11, 1944. 6 N442



19006 \*BEINERT, KARL. Gewinnung und einsatz der wirtschaftsdünger im 5. kriegsjahr. Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 604-605. Nov. 13, 1943. 18 B34W

19007 BUSH, R. C. W. The modern rubbish heap. Much refuse that used to go on the rubbish heap can now be made into very useful manure by the simple process of composting. Farmers Weekly [London] 20 (10): 31. Mar. 10, 1944. 10 F2226

19008 CASTAÑEDA DE ROMERO, J. E. La acción fertilizante de estiércol perdura varios años. Agr. Costarricense 1: 295-298. Nov./Dec. 1943. 8 Ag895

19009 CHAPMAN, C. J. Getting full value from manure. Hoard's Dairyman 89: 134, 150. Mar. 10, 1944. 44.8 H65

19010 DEASY, D. Artificial farmyard manure. Irish Agr. and Creamery Rev. 13(121): 10-11. Jan. 1944. 44.8 C866

19011 DREW, J. P., and DEASY, D. Artificial farmyard manure. Éire. Dept. Agr. Jour. 40: 252-256. Sept. 1943. 10 Ir2J

19012 \*EICHEL, VON. Die behandlung des schafmistes. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 541-542. Oct. 16, 1943. 18 Sa9

19013 \*FIETKAU, FRITZ. Kompost ist ein wichtigen wirtschaftsdünger. Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 472. Aug. 28, 1943. 18 B34W

19014 \*GRIEVE, M. Stalldüngens udbringning. Ugeskr. for Landmaend 88: 761. Oct. 28, 1943. 11 Ug3

Directions for the utilization of stable manure.

19015 GRIMM, CARLOS. El estiércol de aves de corral. Sus cualidades como fertilizante. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8 (12): 25-27. Dec. 1943. 286.8 M575

19016 \*HEERING, K. Die bedeutung des schafdünges. Deut. Landw. Tierzucht 47: 208. Oct. 23, 1943. 49 D48

19017 HUNTER, N. C. Compost. Gard. Gossip 19 (2): 8. Feb. 1944. 80 G1625

19018 JONES, C. M. Importance of fertilizer. Shorthorn World 28 (23): 40-41. Feb. 25, 1944. 43.8 Sh8

19019 O., C. S. Composts or artificials best for the soil? Field 183: 258. Mar. 4, 1944. 10 F45

19020 RAIMO, H. F. O esterco das aves produção e valor como adubo. Rev. dos Criadores 14 (16): 71-73. Dec. 1943. 43.8 R32

19021 \*REINHOLD, J. Der kompost. Forschungsdienst, Sonderheft 16, p. 115-123. Berlin, 1942. 18 F772

19022 \*SCHMIDT, H. W. Ist hühnermist für obstbäume schädlich? Schweiz. Gart., No. 3, p. 70. Mar. 1943. 80 Sch93

19023 \*SCHMITT, L., and HASPER, E. Wirkstoffe und biologisch-dynamische wirtschaftsweise. Bodenk. u. Pflanzenernähr. 30: 65-95. 1942. 384 Z343A

19024 TIMSON, S. D. Garden compost. Rhodesia Agr. Dept. Bul. 1250, 4 p. Salisbury, n. d. 24 R345

19026 \*BUHLER. Einkommensbegriff und ausserordentliche waldnutzungen. Deut. Forstwirt 25: 153-156, 161-164. Apr. 30-May 7, 1943. 99.8 D483

The question of taxation in regard to excessive clearing of timber and salvage cuttings.

19027 CALLISON, CHARLES. Missouri timber in war production. Mo. Farmer 36(5): 3-4. Mar. 1, 1944. 6 M 696

Progress of the Timber Production War Project.

19028 CAPERON, D. R. Dominion field in post-war forestry; scope of problem outlined together with range of possible activities. Canada Lumberman 64 (6): 17-18. Mar. 15, 1944. 99.81 C16

19029 COURTHOPE, SIR GEORGE. Private woodlands; note on the Supplementary Report by the Forestry Commissioners on post-war policy. Chartered Surveyors' Inst. Jour. 23: 386-387. Mar. 1944. 282.9 C38J

19030 DUERR, W. A. Appalachian forests - full and better use. U. S. Bur. Agr. Econ. Land Policy Rev. 7: 16-21. Spring 1944. 1 Ec7La

The place of forests in the economic prospects of the region.

19031 \*EBERTS. Leistungssteigerung durch bildung von forstverbänden. Deut. Forstwirt 25: 185-191. May 28, 1943. 99.8 D483

Includes regulations governing the establishment of cooperative forestry associations.

19032 \*FENNEL, HANNS. Vom forstlichen zinsfuss, vorder umtriebszeit und andern statistischen fragen. Forstwiss. Centbl. 64: 193-201. Sept. 1942. 99.8 F775

Forest economics and statistics.

19033 KINNARD, VIRGINIA. Britain's trees will grow again; afforestation projects will affect post-war lumber trade. U. S. Dept. Com. Foreign Com. Weekly 14(8): 8-9, 32-33. Feb. 19, 1944. 157.54 F763

Discusses the British Forestry Commissioners' plan for post-war forestry.

19034 KOROLEFF, A. Our future wood supply. Pulp and Paper Mag. Canada 45: 221, 223, 225, 227, 229. Convention Issue 1944. 302.8 P96

Deals mainly with policies and management practices in relation to future pulpwood supplies.

19035 PATTERSON, A. E. Stumpage and forest land values. Ga. Univ. George Foster Peabody School Forestry. Leaflet 1, 4 p., processed. Athens, Apr. 1943. 99.9 G297

19036 RISI, JOS. Au carrefour de l'opinion forestière. Forêt Québécoise 7: 251-266. Apr. 1944. 99.8 F79

19037 ST-ANTOINE-DE-PADOUE, colonie agro-sylvicole. Forêt Québécoise 7: 144-145. Mar. 1944. 99.8 F79

19038 SMITH, N. F. Timber trouble-shooting. Mich. Conserv. 13(2): 4-5, 11. Feb. 1944. 279.9 M582

Work of the Timber Production War Project, Michigan.

19039 \*STALMANN. Norwegen: Volk, raum und wirtschaft. Deut. Forstwirt 25: 39-41, 49-51, 57-60. Jan. 29-Feb. 12, 1943. 99.8 D483

Describes Norwegian forests and lumber industry in normal times and under German occupation.

19040 STEBBING, E. P. The forest as a factory. Nature [London] 153: 243-245. Feb. 26, 1944. 472 N21

Emphasizes the need for professional supervision to avoid destructive exploitation of forests.

19041 WATTS, L. F. Where are the goal posts? Jour. Forestry 42: 159-163. Mar. 1944. 99.8 F768

Discusses forest policy, with special reference to the South.

## FORESTRY

### FOREST ECONOMICS AND POLICY

19025 \*BÜHRER, H. Der wald und die rentabilität; die stimme eines genferischen volkswirtschafters. Schweiz. Ztschr. f. Forstw. 94: 309-312. Sept. 1943. 99.8 Sch9

Discusses the economic relationship between forestry and agriculture.



Exports and Imports

- 19042 \*\*VEZINA, FRANÇOIS. Le commerce du bois et de ses dérivés. Actualité Econ. 19e année, Vol. 2, p. 17-42. Nov. 1943.  
Listed in Amer. Geog. Soc. Cur. Geog. Pubs. 7: 7. Jan. 1944. 241.6 Am3

Industrial Forestry

- 19043 MARTIN, C. S. Organizing western timber properties for sustained production. Yale Forest School News 32: 22-23. Apr. 1944. 99.8 Y1  
19044 PATTERSON, A. E. After the war...? South. Lumberman 168(2111): 31-32. Mar. 15, 1944. 99.81 So82  
Continuous production versus liquidation as a policy for southern forest operators.  
19045 WRIGHT, J. A. Hard-boiled business turns to forestry. Forbes 53(7): 18, 20. Apr. 1, 1944. 280.8 F74  
Industrial forestry practiced by Nekoosa-Edwards Paper Co., Port Edwards, Wis.

Legislation

- 19046 ALLEN, J. H. Legislation we need for forestry in the South. South. Pulp and Paper Jour. 6(10): 26, 37. Mar. 1944. 302.8 So8  
19047 MEYER, H. A. Mexican forest law of March, 1943. Jour. Forestry 42: 213-214. Mar. 1944. 99.8 F768  
19048 \*PFLANZ. 4 jahre protektorat Böhmen und Mähren. Deut. Forstwirt 25: 106-107. Mar. 19, 1943. 99.8 D483  
Forest legislation in Bohemia and Moravia, chiefly after the German occupation.  
19049 WEITZELL, E. C. Maryland's forest conservation law. Jour. Land and Pub. Util. Econ. 19: 479-480. Nov. 1943. 282.8 J82  
Discusses legislation enacted by 1943 assembly of Maryland Legislature.

Prices

- 19050 CEILING prices established for yellow cypress by OPA. South. Lumberman 168(2110): 30-32. Mar. 1, 1944. 99.81 So82

FOREST DESCRIPTION AND RESOURCES

- 19051 BUTTRICK, P. L. Nazi "forestry." Amer. Forests 50: 110-112, 143-144. Mar. 1944. 99.8 F762  
Forest conditions in occupied Europe.  
19052 CALLISON, CHARLES. The Wegener woods. Mo. Conserv. 5(2): 13. Feb. 1944. 279.8 M69  
Describes only known remaining virgin upland oak-hickory stand in Missouri.  
19053 CROSS, MARC. The forest resources of Middle and South America. Packing and Shipping 70(10): 6-8. Feb. 1944. 289.8 P12  
19054 \*GAMS, H. Die Wälder Südrusslands und ihre geschichte. Forstarchiv 19: 69-85. Mar. 15, 1943. Ref., p. 84-85. 99.8 F7723  
19055 GORDON, SETON. Can the old Caledonian Forest be saved? Country Life [London] 95: 248-249. Feb. 11, 1944. 80 C83  
Descriptive and historical notes on this ancient forest, with a plea for its preservation.  
19056 RISI, JOS. Un peu de statistiques. Forêt Québécoise 7: 127-128. Mar. 1944. 99.8 F79  
Statistics of forested areas of the world.  
19057 \*\*ROUSSEAU, L. Z. La forêt québécoise. Actualité Econ. 19e année, Vol. 1, p. 201-238. June/July 1943.  
Listed in Amer. Geog. Soc. Cur. Geog. Pubs. 6: 242. Oct. 1943. 241.6 Am3

- 19058 \*WACHHOLTZ, R. Die forstlichen verhältnisse und die voraussetzungen einer holzwirtschaft in der Ukraine. Forstarchiv 19: 55-68. Mar. 15, 1943. 99.8 F7723

Individual Genera and Species

- 19059 GREEN, BURDETT. Irreplaceable walnut gunstocks major factor in gunpower success of Allies; walnut absorbs recoil, resists shock best. Timber Topics 7(1): 1, 4, 10. Mar./Apr. 1944. 99.81 T486  
19060 HOLDRIDGE, L. R. Arboles de Puerto Rico. Puerto Rico Dept. Agr. y Com. Bol. Mens. 2(7): 2; (11): 7; (12): 13. July-Dec. 1943. 8 P963  
Andira inermis; Guajacum sanctum; Trichilia pallida.  
19061 PESCOFF, E. E. Casuarinas' future in paper pulp industry here [in Australia]? Stock and Land 33(51): 2. Dec. 22, 1943. 49 St63  
19062 SCHIFFINO, JOSÉ. Caoba [Swietenia mahagoni]. Rev. de Agr. [Dominican Repub.] 34: 564-567. Sept./Oct. 1943. 8 R323  
19063 TIMBER LEAFLET. Processed. London, Timber Devlpt. Assoc., Ltd., 1941?-1943. 99.9 T48  
Contents: 1, Alder; 4, Canadian birch; 5, Black bean [Castanospermum australe]; 7, Honduras cedar [Cedrela odorata]; 10, Home grown chestnut; 10A, Cottonwood; 11, Bald cypress; 12, Douglas fir; 13, Elm; 14, Gaboon [Aucoumea klaineana]; 15, Gurjun [Dipterocarpus spp.]; 17, Iroko [Chlorophora excelsa]; 18, Jarrah [Eucalyptus marginata]; 20, Magnolia; 21, Honduras mahogany; 22, Spanish mahogany; 24/25, Maple; 26, American white oak; 27 & 31, English and Volhynian oak; 28, Japanese oak; 29, Silky oak [Cardwellia subulnis]; 30, Tasmanian oak [Eucalyptus spp.]; 32, Andaman padauk [Pterocarpus dalbergioides]; 33, Pitch pine [Pinus palustris]; 34, Canadian white pine [Pinus strobus]; 35, Red gum [Liquidambar styraciflua]; 36, Red lauan [Shorea spp.]; 37, European redwood [Pinus sylvestris]; 38, Indian rosewood; 39, East Indian satinwood; 40, Indian silver greywood, also white chuglam [Terminalia bialata]; 41, Sitka spruce; 42, Sycamore [Acer pseudoplatanus]; 43, Teak; 44, African walnut [Luvua]; 45, American black walnut; 47, European walnut; 48, Whitewood [Picea abies]; 49, Hornbeam; 50, Yew; 51, Cherry; 52, Home grown Douglas fir; 53, Lime [Tilia spp.]; 55, Afara [Terminalia superba]; 56, Obèche [Triplochiton scleroxylon]; 57, Agba [Cossweilerodendron balsaniferum]; 58, Idigbo [Terminalia ivorensis]; 59, Canadian spruce; 60, Peroba [Aspidosperma polyneuron and Paratecoma peroba]; 61, Parana pine [Araucaria angustifolia]; 62, Tupelo; 63, Home grown poplar; 64, Red pine; 65, Jack pine; 66, Balsa; 67, Willow; 68, Plane; 69, Home grown birch; 70, Horse chestnut; 72, Box; 74, Pear; 75, Home grown Scots pine; 76, Tasmanian myrtle [Nothofagus cunninghami]; 77, Freijo [Cordia goeldiana], jequibita [Cariniana spp.], and louro vermelho [Ocotea rubra]; 78, Angico [Piptadenia spp., and Pithecellobium incuriale]

FOREST ADMINISTRATION AND MANAGEMENT

- 19064 ALLEN, G. S. Management recommendations for the hemlock and associated forest types of the Juan de Fuca region of southwestern Vancouver Island. Brit. Columbia Forest Serv. Res. Notes 11, 13 p., processed. Victoria, Jan. 13, 1944. 99.9 B771  
19065 \*AUBERT, SAM. À propos des déboisements effectués dans le Jura vaudois. Jour. Forest. Suisse 95: 11-13. Jan. 1944. 99.8 J82  
Protests against unnecessary overcutting.  
19066 \*BARTH, J. Die forst- und holzwirtschaft in den besetzten Ostgebieten. Forstarchiv 19: 30-36. Mar. 15, 1943. 99.8 F7723  
19067 \*BEER, F. Das forstwirtschaftsjahr 1944 und seine aufgaben. Mitt. f. die Landw. 58: 887-888. Oct. 23, 1943. 18 D48M  
Measures taken in Germany to ensure supplies of wood for war needs in 1944.



19068 CLARK, D. A. Interesting experience with chemically treated pulpwood. Canada Lumberman 64(7): 30. Apr. 1, 1944. 99.81 C16

Tells of experiments in chemical treatment of live standing trees to facilitate bark removal.

19069 \*FRANCKE, C. Forsteinrichtung als ausgabe. Deut. Forstwirtschaft 25: 29-31. Jan. 22, 1943. 99.8 D483

Discussion of Gustav Baader's "Forsteinrichtung als nachhaltige betriebsführung und betriebsplanung," 1942.

19070 \*HASLUND, OVE. Hogstklasseinndelingen som grunnlag for driftsplan og avvirkningsberegning. Kontroll med foryngelsesfeltene. Skogbrukeren 18: 165-166. Nov. 1, 1943. 99.8 Sk54

Estimation of forest income and management plan based on cutting class division.

19071 \*HEGER, A. Aufbau und leistung von naturnahen wäldern im osten und ihre forstwirtschaftliche behandlung. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 166-189. Sept. 1943. 99.8 F775

Forests and forest management in Poland.

19072 \*HOEISEL, A. Grundlagen und möglichkeiten der rationalisierung der waldarbeit im Generalbezirk Lettland. Forstarchiv 19: 43-55. Mar. 15, 1943. 99.8 F7723

Possibilities for improving forest management in Latvia.

19073 \*KENNEL, HANNS. Die umtriebszeiten und das verhältnis von buche und fichte. Forstwiss. Jahrb. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 205-215. Sept. 1943. 99.8 F775

Determination of a rotation period and comparison of productivity of beech and spruce, from an economic point of view.

19074 MCCULLOCH, W. F. Willamette Valley forest management. (To be cont.) Forest Log 13(8): 7. Mar. 1944. 99.8 F7631

19075 MCGOWIN, J. F. Research looms as deciding factor in forestry production and utilization. South. Lumber Jour. 48(3): 40, 74-75. Mar. 1944. 99.81 So8

19076 MULLOY, G. A. Costs of brush burning. Canada. Forest Serv. Silvio. Leaflet 19, 1 p., processed. Ottawa, Feb. 1944. 99.9 C168

19077 \*SCHLABITZ, W. Die forst- und holzwirtschaftlichen verhältnisse im Reichskommissariat Ostland. Forstarchiv 19: 36-42. Mar. 15, 1943. 99.8 F7723

19078 \*VANSELON, K. Ergebnisse der Bayerische durchforstungsversuche. I. Fichtenbestände. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 4, p. 105-136. June 1943. 99.8 F775

Report of thinning experiments with spruce, Bavaria.

19079 \*WOBST, W. Probleme der zucht- und ertragslehre. Deut. Forstwirtschaft 25: 121-124. Apr. 2, 1943. 99.8 D483

Discusses practical aspects of increment and yield theory.

#### Administration

19080 \*HOCKE. Drei jahre einheitsforstamt im Reichsgau Danzig-Westpreussen. Deut. Forstwirtschaft 25: 145-147. Apr. 23, 1943. 99.8 D483

On the organization and objectives of a forest administration in German-occupied territory.

19081 \*HVEDING, ARTHUR. Kontorstell i skogbruksbedrift. Skogbrukeren 18: 181-182, 184-185, 192-194. Dec. 1, 15, 1943. 99.8 Sk54

Forest bookkeeping.

19082 \*MANTEL, WILHELM. Die unterabteilung. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 4, p. 73-104. June 1943. 99.8 F775

The administration of a small permanent forest unit.

#### Farm Woodlands

19083 COPE, J. A. When is a timber tree merchantable? [N. Y.] Orange Co. Farm Bur. News 21(3): 2. Mar. 1944. 275.293 N. Y., Orange Co.

19084 CURTIS, J. D. Cutting the farm woodlot. Rural New-Yorker 103: 119. Mar. 4, 1944. 6 R88

19085 DAMBACH, C. A. Comparative productiveness of adjacent grazed and ungrazed sugar-maple woods. Jour. Forestry 42: 164-168. Mar. 1944. 99.8 F768

19086 DELISLE, ROCH. L'exploitation de l'érablé pour sa sève. Forêt Québécoise 7: 271-282. Apr. 1944. 99.8 F79

Economic aspects of sugar-maple management.

19087 EDWARDS, E. J. K. The raising and planting of trees on the farm. Rhodesia Agr. Jour. 40: 394-403. Nov.-Dec. 1943. 24 R34

Reprinted as Rhodesia Min. Agr. and Lands. Bul. 1248, 11 p. Salisbury, 1943. 24 R345

19088 GUILLEBAUD, W. H. Treatment of felled or devastated farm woodlands. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 561-565. Mar. 1944. 10 G79J

Consists largely of information regarding reforestation.

19089 \*MEIERHOFER, EUGEN. Aufforstung von wind-schutzstreifen und feldgehölzen. Schweiz. Bienen Ztg. 66: 404. Oct. 1943. 424.8 Sch9

19090 MORRIS, H. C. Forest conservation in Lorraine County. Ohio State Grange Monthly 47(3): 6. Mar. 1943. 6 Oh33

Account of conservation and improvement of farm woodlands.

19091 SYME, P. S. Farm shelter. New Zeal. Jour. Agr. 68: 89-97. Feb. 15, 1944. 23 N48J

Suggests species and planting methods for wind-breaks and hedges in New Zealand.

#### Mensuration

19092 \*BAUERSACHS, EWALD. Bestandesmassenaufnahme nach dem mittelstammverfahren des zweitkleinsten stammabstandes. Forstwiss. Centbl. 64: 182-186. Aug. 1942. 99.8 F775

On the selection of sample trees for determination of stand volume.

19093 DEMERITT, D. B. More about predicting growth. Jour. Forestry 42: 215. Mar. 1944. 99.8 F768

19094 GRAVES, J. B. The rigid diameter tape rule. Jour. Forestry 42: 190-191. Mar. 1944. 99.8 F768

19095 GUSTAFSON, R. O. Cull as determined from basal wounds in Kentucky highlands timber. Jour. Forestry 42: 181-184. Mar. 1944. 99.8 F768

19096 \*MARKUS. Zur frage der einheitlichen ertragsklassen. Deut. Forstwirtschaft 25: 1-3. Jan. 1, 1943. 99.8 D483

Discusses height of stand vs. stand volume as basis for yield classification.

19097 MEYER, W. H. A method of volume-diameter ratios for board-foot volume tables. Jour. Forestry 42: 185-189. Mar. 1944. 99.8 F768

19098 \*RAVE, D. Beitrag für die vereinheitlichung der ertragstafeln. Deut. Forstwirtschaft 25: 86-87. Mar. 5, 1943. 99.8 D483

On the standardization of yield tables, using pine and birch as examples.

19099 \*STACH. Festmeter statt raummeter. Deut. Forstwirtschaft 25: 65-67. Feb. 19, 1943. 99.8 D483

Discusses advantages, especially in simplification of bookkeeping, of using solid volume instead of stacked volume.

19100 \*STACH. Mit oder ohne rinde? Deut. Forstwirtschaft 25: 169-171, 178-179. May 14-21, 1943. 99.8 D483

Discusses advantages and disadvantages of measuring cordwood with or without bark.



19101 WEDDELL, D. J. Pulpwood facts and figures. Ga. Univ. George Foster Peabody School Forestry. Leaflet 2, 3 p., processed. Athens, June 15, 1943. 99.9 G297

A compilation of useful tables of measurement.

#### FOREST PROTECTION AND DAMAGE

19102 \*\*MAHEUX, GEORGES. La protection des forêts [Québec]. Actualité Econ. 19e année, Vol.1, p. 280-306. June/July 1943.

Listed in Amer. Geog. Soc. Cur. Geog. Pubs. 6:242. Oct. 1943. 241.6 Am3

#### Fire

19103 BERNIER, G. H. Coordination des organisations de protection. Forêt Québécoise 7: 83-84. Feb. 1944. 99.8 F79

19104 BERNIER, G. H. Distribution des forêts de la Province au point de vue protection contre l'incendie. Forêt Québécoise 7: 142-143. Mar. 1944. 99.8 F79

19105 BERNIER, G. H. Le système provincial de protection contre les feux de forêts. Forêt Québécoise 7: 6-7. Jan. 1944. 99.8 F79

19106 BYRD, D. H. Flyin' fire fighters in east Texas. Civil Air Patrol will report fires and relay information to ground fighters. East Tex. 18(6): 9, 17. Mar. 1944. 6 Ea73

19107 COWLES, F. H. Dangers in forest fire insurance. Jour. Forestry 42: 212-213. Mar. 1944. 99.8 F768

19108 HUNT, J. C. Fire prevention where it counts. Facing the facts about man-caused fires - and what can be done about them. Amer. Forests 50: 116-117, 139-140. Mar. 1944. 99.8 F762

19109 JENSSEN, S. A day in the life of a ranger; how the vigilant sentries of Canada's forest riches carry on their jobs - a true diary from dawn to dark. Forest & Outdoors, Mar. 1944, p. 61-62, 64. 99.8 C16

19110 KIEFFER, HENRI. Pour l'amélioration du système de protection. Forêt Québécoise 7: 213-214. Apr. 1944. 99.8 F79

Suggestions for the improvement of the Service de la Protection, Dép. des Terres et Forêts, Québec.

19111 LINDBERG, R. C. Snag falling with hand and power saws. Part I. Handsawing. Timberman 45(1): 30-31, 34, 36, 38, 40, 42. Nov. 1943. 99.81 T484

19112 MEADE, O. L. A grader disc for firebreak maintenance. Jour. Forestry 42: 216-217. Mar. 1944. 99.8 F768

19113 PESCOFF, E. E. Hedges in the bush-fires. Stock and Land 34(5): 2. Feb. 2, 1944. 49 St63

Notes on fire resistance of various Australian trees and hedge plants.

#### Meteorological Injuries

19114 WHITE, W. E. Texas ice storm; greatest timber salvage project since New England hurricane launched in wake of widespread damage. Amer. Forests 50: 108-109. Mar. 1944. 99.8 F762

#### SILVICULTURE

See Items 17946-17962

#### LUMBERING

19115 BRUNDAGE, F. H. Program for winter operations. Timberman 45(1): 98. Nov. 1943. 99.81 T484

Adjustments and practices outlined by Western Log and Lumber Administrator.

19116 JONES, DOUGLAS. Our future wood requirements. Pulp and Paper Mag. Canada 45: 213, 215, 217, 219. Convention Issue 1944. 302.8 P96

Suggests improved logging and milling practices to increase productivity and decrease waste.

19117 TELFORD, C. J. Manufacture of lumber from stump to pile. (To be cont.) Canada Lumberman 64(6): 19-20; (7): 24-26. Mar. 15, Apr. 1, 1944. 99.81 C16

#### Equipment

19118 HOLMES, O. L. Safety features in truck logging. Timberman 45(1): 88-89. Nov. 1943. 99.81 T484

#### Logging

19119 HANDLING and towing logs in steel banded bundles. Canada Lumberman 64(6): 21, 27. Mar. 15, 1944. 99.81 C16

19120 \*LANGE, O. L. Tidsindeks for skogskjøring. Skogbrukeren 18: 157-159. Oct. 15, 1943. 99.8 Sk54

Method of correlating volume of wood and hauling time.

19121 \*PLINER, L. A. E. G. Džukova i ee brigada [E. G. Džukova and her brigade]. Lesnafa Promysh. 1943, No. 3, p. 18-21. Mar. 1943. 99.82 L56

Discusses Džukova's contribution in organizing labor production in the woodcutting industry.

19122 \*SCHULZ, F. Der forstwirtschaft und die verkehrsentflechtung für rohholz. Deut. Forstwirtschaft 25: 60-61. Feb. 12, 1943. 99.9 D483

Deals with regulations for transporting rough logs. 19123 WHISKER, A. M. Safety problem in logging. West Coast Lumberman 71(3): 41-42. Mar. 1944. 99.81 W52

19124 WRIGHT, W. G. Activities of the Woodlands Section; annual report to the Canadian Pulp and Paper Association. Pulp and Paper Mag. Canada 45: 211, 219. Convention Issue 1944. 302.8 P96

#### Lumber Industry

19125 MACKIN, H. J. Expects lumber to continue in heavy demand with production easing-off. Canada Lumberman 64(7): 22-23, 42. Apr. 1, 1944. 99.81 C16

19126 O'BRIEN, W. H. Get ready for victory [in the lumber industry]. South. Lumberman 168(2110): 51-52. Mar. 1, 1944. 99.81 So82

19127 ROSS, E. W. We must improve our methods. [Excerpts.] Canada Lumberman 64(5): 16. Mar. 1, 1944. 99.81 C16

Accomplishments and outlook of Canadian Lumbermen's Association.

19128 WILLIAMSON, A. H. ...Accomplishments of timber control. Canada Lumberman 64(5): 20-21. Mar. 1, 1944. 99.81 C16

Effects of control on the Canadian lumber industry.

#### Sawmills

19129 DOREMUS, F. M., and STAUFFER, L. M. Amplidyne drive for sawmill carriage gives economical service. West Coast Lumberman 71(3): 18-19, 110. Mar. 1944. 99.81 W52

19130 \*GULOWSEN, K. T. Stavskjaering ved sirkelsagbruk. Skogbrukeren 18: 189, 190, 192. Dec. 15, 1943. 99.8 Sk54

New process for cutting staves.

19131 HUNDRED western mills which cut most lumber in 1943. West Coast Lumberman 71(3): 20. Mar. 1944. 99.81 W52

19132 \*PAUSE, HEINRICH. Die antriebsleistung der holzhobelmaschinen. Holz als Roh- u. Werkstoff 6: 54-60. Feb. 1943. 99.81 H74

Accurate estimation of the output of wood-planing machines.



## WOOD PROPERTIES

Chemical and Physical Properties

19133 AMERICAN SOCIETY OF CIVIL ENGINEERS. STRUCTURAL DIVISION. COMMITTEE ON TIMBER STRUCTURES. Classified bibliography on the physical and mechanical properties of wood and the design and construction of timber structures. Amer. Soc. Civ. Engin. Proc. 70: 321-339. Mar. 1944. 290.9 Am3P

19134 BARKAS, W. W. Wood water relationships. VIII. Some elastic constants and swelling pressures of natural wood and of its gel material. Faraday Soc. Trans. 38: 447-462. Oct. 1942. 382 F22

19135 \*BITTNER, J. Hnufigkeitsuntersuchungen an flugzeugsperrhölzern. Holz als Roh- u. Werkstoff 6: 18-19. Jan. 1943. 99.81 H74

Compares tensile strength of Canadian and European birch for airplane plywood.

19136 CARLOS SEDLAK, JUAN. Resistencia a la torsión de la madera compensada empleada en la industria de la aviación. Maderil 16(185): 11-13. Nov. 1943. 99.82 M26

19137 \*GROSSLER, W. Holztechnologische untersuchungen an hochgebirgsbuchen. Holz als Roh- u. Werkstoff 6: 81-86. Mar. 1943. 99.81 H74

Technological comparison of woods from high mountain and lowland beeches.

19138 LEWIS, C. B., and SWABEY, C. Notes on furniture cracking in Jamaica. U. S. Forest Serv. Caribbean Forester 5: 94-97. Jan. 1944. 1.9622 T2C23  
Describes effect of unusual humidity conditions on local woods.

19139 LIGNIN in wood. Tentative TAPPI method. Pulp and Paper Mag. Canada 45: 312-313. Mar. 1944. 302.8 P96

19140 \*\*SHARKOV, V. I. An irrigation method for the hydrolysis of wood. Lesnaya Ind., 1940, No. 10/11, p. 56-60.

Abs. in Chem. Abs. 38: 863. Feb. 20, 1944. 381 Am33C

19141 STEPNIENSKI, W. Stressed-skin wooden construction; weight and strength compared with aluminum alloys. Engin. Digest (Amer. Ed.) 1: 42-45, 119-124. Dec. 1943, Jan. 1944. 290.8 En391A

From Aircraft Engin. 15: 110-112, 126-131. Apr., May 1943.

19142 YORSTON, F. H. Recent advances in the chemistry of wood. Pulp and Paper Mag. Canada 45: 266, 268, 270. Convention Issue 1944. 302.8 P96

Preservative Treatment

19143 JONES, N. C. The fireproofing of wood. Soc. Chem. Indus. Chem and Indus. 63: 98-99. Mar. 11, 1944. 382 M31C

19144 RICH, P. J. Causes and reasons for change in wooden box stains for Army. History of development of U.S. Army Specification 3-189, stain, water soluble, preservative. Wooden Box and Crate 6(1):13-14, 20. Feb. 1944. 99.82 W857

19145 \*SCHULZE, BRUNO, and THEDEN, G. Beobachtungen über das eindringvermögen von holzschutzmitteln beim spritzen und tauchen. Holz als Roh- u. Werkstoff 6: 17-18. Jan. 1943. 99.81 H74

Compares effect of spray method and short immersion method on penetration of preservative in wood.

19146 \*WAGNER, HANS. Holzschutz ein gebot der stunde. Landesbauernschaft Bayern. Wchnbl. 133: 332A. June 5, 1943. 18 B34W

Preservative treatment by impregnation of wood for farm use.

Seasoning and Conditioning

19147 RAUPACH, G. V. A second front in lumber seasoning, kiln drying. West Coast Lumberman 71 (3): 82, 84. Mar. 1944. 99.81 W52

19148 \*\*THE SALT seasoning of large dimension Douglas fir. Austral. Timber Jour. 9: 15. Feb. 1943. (Madison Sub-Branch Lib.)

Abs. in Forestry Abs. 5: 126. 1943. 241.01 Im7

19149 SMITH, H. S. Speeded up kiln drying schedule for aspen boxing and crating lumber. Wood Prod. 49(3): 46, 48, 50, 52-53. Mar. 1944. 99.82 W856

19150 TIEMANN, H. D. How wood behaves in drying. 6. Drying schedules for pervious and impervious woods. South. Lumberman 168(2111): 53-54. Mar. 15, 1944. 99.81 So82

## WOOD UTILIZATION

19151 \*BORNAND, G. H. Points de vue touchant l'utilisation du bois. (To be cont.) Jour. Forest. Suisse 95: 25-29. Feb. 1944. 99.8 J82

19152 \*BUCHHOLZ, E. Die forstlichen sondernutzungen in den besetzten Ostgebieten und im Sowjetraum. Forstarchiv 19: 108-120. Mar. 15, 1943. 99.8 F7723  
Discusses various forest products other than wood.

19153 COLLINS, CHAPIN. Teaching wood to fight. The U. S. Forest Products Laboratory is proving an effective arsenal. Amer. Forests 50: 122-123, 136. Mar. 1944. 99.8 F762

19154 COREY, A. J., and MOORE, T. R. The saccharification of wood for ethanol production. Pulp and Paper Mag. Canada 45: 167-170. Convention Issue 1944. 302.8 P96

19155 DRUCE, J. G. F. Russian progress in wood distillation. Indus. Chem. and Chem. Mfr. 20: 117-118. Mar. 1944. 382 In22

19156 HOW FAIRCHILD applied electronics to speed production on wood aircraft parts. Wood Prod. 49(3): 16-17, 40, 42, 44. Mar. 1944. 99.82 W856

19157 LOEB, A. A. Aspects of the ship knees business. West Coast Lumberman 71(3): 41-42. Mar. 1944. 99.81 W52

19158 SERGI, FERNANDO. Aplicaciones y usos ilimitados ha alcanzado la madera en la actualidad. Maderil 16(185): 25-27. Nov. 1943. 99.82 M26

19159 STEPHAN, J. T. Fabricating laminated beams or structural members using warm-temperature setting adhesives by new process. Brit. Columbia Lumberman 28(3): 58. Mar. 1944. 99.61 B77

Adhesives

19160 DELMONTE, J., and SMITH, L. Cold set furfural resin adhesives for plywood. Plastics Trends 4(5): 5-6. Mar. 1, 1944. 309.8 P692

19161 HODGINS, T. S. Plyophen for war. Pacific Plastics 2(2): 18-20, 40. Feb. 1944. 309.8 P12

Plyophen is a trade name for plastic resins manufactured by Reichhold Chemicals, Inc., and used as adhesive in making plywood.

Barrels, Boxes, and Crates

19162 BOYD, J. P. Boxes and crates have important war roles. Wooden Box and Crate 6(1): 10-11. Feb. 1944. 99.82 W857

19163 FIDDES, JAMES. Boxboard industry's future; high frequency current method for drying, heating and welding. Timber Trades Jour. 188: 392. Feb. 26, 1944. 99.81 T48

19164 NELSON, T. J. Knockdown method for "Bliss" type fiber shipping cases to permit salvage and reuse. Paper Trade Jour. 118(TAPPI Sect.): 96. Mar. 16, 1944. 302.8 P196

Building Construction

19165 RITCHIE, J. A. Fire-resistive wood construction. Brit. Columbia Lumberman 28(3): 60, 62. Mar. 1944. 99.81 B77



19166 SWEET, C. V. Presenting semi-prefabrication. Amer. Lumberman, No. 3277, p. 26-27. Mar. 18, 1944. 99.81 Am3

Outlines system employing pre-finished unit panels of moderate size in conjunction with conventional framing.

19167 U. S. WAR PRODUCTION BOARD. CONSERVATION DIVISION. National emergency specifications for the design, fabrication and erection of stress grade lumber and its fastenings for buildings. U. S. War Prod. Bd. Conserv. Div. Directive No. 29, 63 p. Washington, 1943. Ref., p. 62-63. 173.409 D622

#### Charcoal

19168 DELGADO BARRERNECHEA, J. C. Monografia sobre "el carbon vegetal." Univ. Nac. Mayor de San Marcos. Facult. de Cien. Econ. Rev., No. 27, p. 98-118. Aug. 1943. 280.8 R328

Charcoal production in Peru.

#### Naval Stores

19169 SNOW, A. G., JR. New bark chipping hack gives satisfactory results. Naval Stores Rev. 53 (52): 8. Mar. 25, 1944. 99.81 N22

19170 TINKER, J. M. The naval stores conservation program - its development and place in the general program for gum naval stores. Ga. Univ. George Foster Peabody School Forestry. Leaflet 3, 6 p., processed. Athens, Sept. 1943. 99.9 G297

#### Plastics

19171 E. I. DUPONT DE NEMOURS AND COMPANY. Methylolurea treated wood. Preliminary outline. Chemurg. Digest 3: 53-54. Feb. 15, 1944. 381 N213Na

19172 NICHOLLS, R. V. V. Plastics from wood and for wood improvement. Cellulose, paper and lignin destined to play important roles in new industry. Pulp and Paper Mag. Canada 45: 308-312. Mar. 1944. 302.8 P96

Also in Canad. Chem. and Process Indus. 28: 163-165, 191. 193. Mar. 1944. 381 G16

19173 RECK, F. M. Advantages of bonded paper sheets as an aircraft material. Aero Digest 44(6): 124, 126, 129, 132. Mar. 15, 1944. 333.8 Ae82

#### Pulp and Paper

19174 \*\*BAHRFELDT, K., and SPOON, W. Suitability of Dutch Indian woods for the manufacture of paper. Ber. Afdeel. Handelsmuseum Kon. Ver. Kolonial Inst. 1943, No. 188, 31 p.

Abs. in Chem. Abs. 38: 1109. Mar. 10, 1944. 381 Am33C

19175 \*\*BERENSHTEIN, D. G., and MUSATOVA, M. D. Substitutes for alum in the production of cardboard used in footwear. Legkaya Prom. 1943, No. 3/4, p. 16-19.

Abs. in Chem. Abs. 38: 863. Feb. 20, 1944. 381 Am33C

19176 \*\*BONDAR, M. P., and GOLUB, N. W. Manufacture of enameled papers. Bumazhnaya Prom. 18(10): 35-40. 1940.

Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19177 CANADIAN PULP AND PAPER ASSOCIATION. TECHNICAL SECTION. BOARD COMMITTEE. Stock preparation in paperboard mills. Pulp and Paper Mag. Canada 45: 241-254, 296. Convention Issue 1944. 302.8 P96

19178 CARTER, R., and HARRISON, V. G. W. A note on the use of soap as a sizing agent. World's Paper Trade Rev. 121(Tech. Sup.): 9-10. Mar. 3, 1944. 302.8 W89

19179 COTTRALL, L. G. Evaluation of chemical pulps. (Cont.) World's Paper Trade Rev. 120(Tech. Sup.): 69-72. Dec. 10, 1943. 302.8 W89

19180 DAVIS, D. S. Nomographic correction chart for the Williams precision freeness tester. Paper Indus. and Paper World 25: 1345. Mar. 1944. 302.8 P1923

19181 DOBROW, M. C. Paper in 1944. Pulp and Paper Mag. Canada 45: 303. Mar. 1944. 302.8 P96

19182 \*\*FLATE, D. M. Manufacture of long-fibered paper. Bumazhnaya Prom. 18(10): 28-34. 1940. Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19183 FORMAN, L. V. The kraft pulping of southern tannin-rich woods. Paper Trade Jour. 118(TAPPI Sect.): 97-100. Mar. 23, 1944. 302.8 P196

19184 FRIES, K. W., and GAFFNEY, J. D. Pro's and con's regarding the recovery of fibers from white water. Paper Trade Jour. 118(TAPPI Sect.): 101-104. Mar. 23, 1944. 302.8 P196

19185 GINSBOURGER, SYLVAIN. Wood for war. Crown 33(3): 9-11. Mar. 1944. 389.8 C88

Deals with the history and present state of the paper industry.

19186 GODBOUT, PHILIPPE. Pâte mécanique. Forêt Québécoise 7: 157-158. Mar. 1944. 99.8 F79

19187 HERTY FOUNDATION LABORATORY, SAVANNAH, GA. Effect of chip length on quality of wood pulp. South. Pulp and Paper Jour. 6(10): 24. Mar. 1944. 302.8 So8

19188 HEUSER, EMIL, and SIGVARDT, C. M. The action of nitrogen dioxide upon unbleached pulp. Part II. Paper Trade Jour. 118(TAPPI Sect.): 82-84. Mar. 9, 1944. 302.8 P196

19189 JAHN, E. C. Notes on the Swedish pulp and paper situation. Paper Trade Jour. 118(TAPPI Sect.): 71-73. Mar. 2, 1944. 302.8 P196

19190 \*JAYME, G., and others. Über die eignung ein- und zehnjährigen pappelholzes zur zellstoffgewinnung. Holz als Roh- u. Werkstoff 6: 1-16. Jan. 1943. 99.81 H74

K. G. Hindenburg, M. Harders-Steinhäuser, and F. Branscheid, joint authors.

19191 \*JOHANSSON, DAVID. Beiträge zur bestimmung der astmenge im holz und des einflusses der äste auf die güte des sulfitzellstoffholzes. Holz als Roh- u. Werkstoff 6: 45-50. Feb. 1943. 99.81 H74

Describes method of determining proportion of branch wood in cellulose pulp and effect of branches on quality of sulfite pulp.

19192 LANE, G. J., and HAYES, R. E. Newsprint of the future. Pulp and Paper Mag. Canada 45: 141-142. Convention Issue 1944. 302.8 P96

19193 \*\*LIPSHITS, E. V. Beating of sulfate pulp for high-voltage cable papers. Bumazhnaya Prom. 18(10): 45-50. 1940.

Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19194 NEUBRECH, W. L. Paper industry faces problems. U. S. Dept. Com. Dom. Com. 32(3): 13. Mar. 1944. 157.54 D713

19195 \*\*NILSSON, T. H., and BERGWALL, JON. Determination of the greaseproofness of paper. Svensk Papperstidn. 46: 441-449. 1943.

Abs. in Chem. Abs. 38: 643-644. Feb. 10, 1944. 381 Am33C

19196 PENNEY, G., and OSTROWSKI, H. J. New developments in sulphite pulp preparation. Pulp and Paper Mag. Canada 45: 149-152. Convention Issue 1944. 302.8 P96

19197 FURVES, C. B. Program of the [Pulp and Paper] Research Institute [of Canada]; current activities of the McGill Industrial and Cellulose Chemistry Division. Pulp and Paper Mag. Canada 45: 139-140. Convention Issue 1944. 302.8 P96



19198 REICHERT, J. S. Sodium peroxide bleaching of mechanical pulps. General description of the process. Paper Trade Jour. 118(TAPPI Sect.): 89-96. Mar. 16, 1944. 302.8 P196

19199 SANKEY, C. A., and ROSTEN, M. M. Alcohol from waste sulphite liquor, with special reference to the Thorold, Ont. plant of the Ontario Paper Co. Ltd. Pulp and Paper Mag. Canada 45: 171-178, 188. Convention Issue 1944. 302.8 P96

19200 \*SCHMIDT, ERWIN. Vorschläge zu einheitlichen umrechnungszahlen für die faserholzverarbeitung. Holz als Roh- u. Werkstoff 6: 50-54. Mar. 1943. 99.81 H74

On the use of uniform conversion numbers for estimating timber requirements for cellulose and mechanical pulp.

19201 SHIPMAN, G. E. Trends in groundwood and related products. Pulp and Paper Mag. Canada 45: 153-156. Convention Issue 1944. 302.8 P96

Discusses both technical and economic aspects.

19202 SIEVERS, F. R. The history and romance of paper. Part 1. Pulp and Paper Mag. Canada 18(3): 35, 37. Mar. 1944. 302.8 P11

19203 STADLER, JOHN. Outlook for Canadian pulp industry. Paper Mill News 67(12): 28-29. Mar. 18, 1944. 302.8 P195

Includes chart showing production and price trend, 1913-1942.

19204 STADLER, JOHN. Sulphite pulp from war to war and afterwards. Pulp and Paper Mag. Canada 45: 145-148. Convention Issue 1944. 302.8 P96

19205 SUTTON, V. J. Grinding progress and burring technique on continuous grinders. Pulp and Paper Mag. Canada 45: 157-163. Convention Issue 1944. 302.8 P96

19206 WALLACE, G. R. Review of the Association of Pulp Consumers, Inc. Paper Indus. and Paper World 25: 1422, 1424. Mar. 1944. 302.8 P1923

Deals chiefly with the shortage of pulpwood due to decreased labor supply.

#### Tanning Materials

19207 \*HEIL. Gerbrindenaufbringung und -verwertung im erntejahr 1943. Deut. Forstwirt 25: 149-150. Apr. 23, 1943. 99.8 D483

Tanning materials from oak and spruce bark.

#### Veneers and Plywood

19208 BOOTH, F. L. Manufacturing distinctive veneered furniture. Veneers and Plywoods 38(3): 10-12. Mar. 1944. 99.82 V55

19209 CAMARENGO, J. J. Fabricación de chapas de madera (plywood y triply). Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(12): 17-25. Dec. 1943. 286.8 M575

19210 GRAHAM, P. H. Proper finishes for plywood planes. Veneers and Plywood 38(3): 18-19. Mar. 1944. 99.82 V55

19211 KLEIN, LOUIS, GRINSFELDER, HENRY, and BAILEY, S. D. Comparison of methods for improving wood. Indus. and Engin. Chem., Indus. Ed. 36: 252-256. Mar. 1944. 381 J825

Compares properties of impregnated, film-bonded compressed, and glue-spread compressed woods.

19212 LEONG, C. Shear tests on various wood veneers. Plastics Trends 4(5): 6-7. Mar. 1, 1944. 309.8 P692

19213 MULLER, J. L. Softwood plywood geared to wartime. South. Lumberman 168(2111): 49. Mar. 15, 1944. 99.81 S082

19214 PERRY, T. D. Plywood for war. Pacific Plastics 1(4/5): 34-37, 48. Oct. 1943. 309.8 P12

#### Wood as Fuel

19215 \*CHARRIN, V. Vers la généralisation des gazogènes à bois. Prog. Agr. et Vitic. 120(29): 28-29. July 18, 1944. 14 P94

#### MISCELLANEOUS

19216 \*BAGER, E. Något om häradsallmanningarnas historia och om deras och häradsallmänningsförbundets utveckling och verksamhet under senaste 25 år. Stiftelse Svenska. Handl. (1943) 32: 41-53. 11 Sw34

History of communal forests in Sweden from the 12th century to the present time and of the organization and activities of Sveriges Häradsallmänningsförbund during the past twenty-five years.

19217 HALL, C. C. A city [Springfield, Ill.] plants a forest. Amer. Forests 50: 124-125, 138. Mar. 1944. 99.8 F762

19218 \*JAHRHUNDERTFEIER des Schweizerischen forstvereins in Langenthal und Wasen, 28.-30. August 1943. Schweiz. Ztschr. f. Forstw. 94: 321-335. Nov. 1943. 99.8 Sch9

19219 \*KNUCHEL. Vor hundert jahren. Schweiz. Ztschr. f. Forstw. 94: 335-342. Nov. 1943. 99.8 Sch9

Consists chiefly of excerpts from early volumes of Mittheilungen über Haus-, Land- und Forstwirtschaft. 19220 \*KRUEDENER, ARTHUR, FREIHERR VON. Russlands waldungen und waldwirtschaft bis zur bolschewistenherrschaft im oktober 1917. Forstarchiv 19: 120-133. Mar. 15, 1943. 99.8 F7723

19221 ROTEN, FERD. Un conflit forestier au temps passé. Difficultés entre la Maison du Grand St. Bernard et la commune d'Orsières au sujet des bois de Ferret. Jour. Forest. Suisse 95: 29-33. Feb. 1944. 99.8 J82

#### Education

19222 GAZTAMIDE, J. B. Enseñanza de los valores del bosque y de la dasonomia a los niños de Puerto Rico. U. S. Forest Serv. Caribbean Forester 5: 68-77. Jan. 1944. 1.9622 T2C23

Includes outline of four-year 4-H Club forestry course.

19223 \*STRUB, O. Holzkurs in St. Gallen. Schweiz. Ztschr. f. Forstw. 94: 313-316. Sept. 1943. 99.8 Sch9

Report of a three-day course of lectures on wood construction held at St. Gall, Switzerland.

#### Engineering

19224 \*LAER, VON. Die forstliche erkundung in den besetzten Ostgebieten mit besonderer berücksichtigung der luftbilderkundung. Deut. Forstwirt 25: 113-115. Mar. 26, 1943. 99.8 D483

Use of aerial photography in forest surveys in the occupied Eastern Territory.

#### Wildlife

19225 \*BARTH, AGNER. Bever og elg; en alvorlig hindring for gjenreisningen av Sørlandets lauvskog. (To be cont.) Skogbrukeren 18: 169-171. Nov. 1, 1943. 99.8 Ak54

Beaver and elk as obstacles to the reforestation of hardwood forests in southern Norway.

19226 \*MÜLLER, E. Les dommages causés par le gibier aux plants forestiers. Jour. Forest. Suisse 95: 1-7. Jan. 1944. 99.8 J82

Includes suggestions for prevention of damage.

19227 \*STACH. Zur beurteilung des schälschadens an fichtenstämmen. Deut. Forstwirt 25: 17-22. Jan. 15, 1943. 99.8 D483

A study of the nature and extent of damage to spruce by game.



19228 \*WITZGALL, L. Zur beurteilung des schMl-schadens an fi-stämmen; eine erwidung auf den artikel vom prfm. dr. Stach. Deut. Forstwirt 25: 115-116. Mar. 26, 1943. 99.8 D483

Injuries to spruce by wildlife. Consists largely of letter from R. von Hoeslin.

# ANIMAL INDUSTRY

## BREEDS AND BREEDING

19229 AJIFU, RALPH. The value of purebred stock. Hawaii Farm and Home 7(3): 32-33. Mar. 1944. 25 H3191

19230 BELTRAN C., HERACLIO. Métodos de reproducción. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 5. Oct./Dec. 1943. 9.5 M31

19231 DUCK, R. W. A breed of livestock, for every need. Rural New-Yorker 103: 136, 140. Mar. 4, 1944. 6 R88

19232 FENTON, A. B. Congenital anomalies in domestic animals. Middlesex Vet. 3(1): 18-20. Fall 1943. 41.8 M583

19233 GOODWIN, J. P. Earl De La Warr on pedigree societies: closed corporations or stock improvers? Farmer & Stock-Breeder 58: 423. Mar. 14, 1944. 10 F228

Report of an interview.

19234 \*JACOBS. Gedanken eines ostfriesischen tierzüchters im nordrussischen raum. Deut. Landw. Tierzucht 47: 220-221. Nov. 20, 1943. 49 D48

19235 \*DIE KÜNSTLICHE besamung bei den landwirtschaftlichen haustieren. Vorträge der zweiten tagung der Schweizerischen Vereinigung für Tierzucht vom 28. April 1942 in Rütli-Zollikofen. Landw. Jahrb. der Schweiz 56: 415-436. 1942. 17 L23

French summary.

Contents: Der verlauf der tagung, by W. Engeler; Die bedeutung der künstlichen besamung bei den haustieren. Einleitende bemerkungen, by A. Schmid; Stellung der schweizerischen züchtungspraxis zu der anwendung der künstlichen besamung bei den haustieren, by Ernst Feisst; Die künstliche besamung im lichte der tierhygiene und tiermedizin, by G. Flückiger; Die technik der künstlichen besamung, by W. Hofmann; Thesen betreffend die künstliche besamung bei haustieren.

19236 LITTON, G. W. Linebreeding. East. Breeder 5(11): 69-71. Apr. 1944. 49 V81

19237 LOUIS-MARIE, R. P. Le professeur Rice parmi nous. Rev. d'Oka 18(1): 16-25. Jan./Feb. 1944. 7 Ok1

Report of address of V. A. Rice on animal genetics, at Quebec, Dec. 21, 1943.

19238 \*MARTÍNEZ DEL CASTILLO, HILARIO. Ganadería actual, algunas causas de las dificultades para su desenvolvimiento. Surco [Madrid, 2(12): 11-14. Feb. 1943. 15 Su7

19239 \*MILOVANOV, V. Bol'she vnimaniâ otechestvennym porodom zhivotnykh [More attention to native livestock breeds]. Kolkhoznoe Proizvodstvo, No. 10, p. 17-19. Oct. 1943. 281.8 K83

Discusses the outstanding livestock breeds in the Soviet Union and breeding by artificial insemination.

19240 \*SALAZAR, ZACARIAS. Las leyes Mendelianas de la herencia en la practica ganadera. Surco [Madrid, No. 5, p. 10-13. July 1942. 15 Su7

19241 \*SOKOLOVSKAYA, I. Plemennoe delo na ferme [Livestock breeding on the farm]. Kolkhoznoe Proizvodstvo, No. 1, p. 22-23. Jan. 1943. 281.8 K83

19242 \*SPRENSSEN, ED. Den kunstige saadoverf-rings teknik [The technic of artificial insemination]. Ugeskr. for Landmaend 88: 783-790. Nov. 12, 1943. 11 U63

19243 VILLARES, J. B. Aspectos zootecnicos da castração. Rev. Rural Bras. 23(280): 27-29. Dec. 1943. 9.2 B733

19244 WALKER, J. F. Why do we import? Sheep-man 14: 331. Mar. 1944. 45.8 Sh32

In order to maintain high quality breeding stock.

19245 WOELFFER, E. A. Artificial insemination. Middlesex Vet. 3(1): 21-22. Fall 1943. 41.8 M583

## FEEDS AND FEEDING

19246 ANDRADE, B. M. DE. Pastagens. Rev. dos Criadores 14(16): 42-43, 45. Dec. 1943. 43.8 R32

Pasture management.

19247 ARNY, A. C. Our cheapest feed; good pastures provide it, and plans should be made now for 1944. Farmer 62(5): 7. Mar. 4, 1944. 6 F2211

19248 \*AXELSSON, JOEL. Intensitetsproblemet inom animalieproduktionen. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 100-114. 11 Sw34

Feeding and nutrition of livestock.

19249 BAILWARD, JOHN. Leave us this tenth; a plea for the preservation of some of our "super" grassland areas. Farmers Weekly [London] 20(9): 29. Mar. 3, 1944. 10 F2226

19250 BETHEE, R. M. All animals require calcium and phosphorus. Grain & Feed Jours. Consolidated 92: 206. Mar. 8, 1944. 298.8 G762

19251 BOHSTEDT, G. Salt saves feed. Feed-stuffs 16(11): 28-30, 32. Mar. 11, 1944. 286.81 F322

19252 \*BUNGER, H. Zweckmässige ausnutzung des wirtschaftsfutters. Forschungsdienst, Sonderheft 16, p. 645-653. Berlin, 1942. Ref. 18 F772

19253 BURROUGHS, E. W. Minimum animal protein in feed mixtures. Grain & Feed Jours. Consolidated 92: 204. Mar. 8, 1944. 298.8 G762

19254 CASANOVAS, ENRIQUE. Os melados -- utilização de um sub-produto da indústria açucareira. Brasil Açucareiro 22: 307-310. Oct. 1943. 65.8 B73

Chemistry and use as feed.

19255 CHARKEY, L. W., and WILGUS, H. S., JR. Chromatographic determination of carotene in alfalfa. Indus. and Engin. Chem., Analyt. Ed. 16: 184-187. Mar. 1944. 381 J825A

19256 DAY, D. I. Their favorite feeds: fifteen farmers discuss mixed feeds and other topics of interest along Highway 44. Ind. Farmers Guide 100(6): 18. Mar. 15, 1944. 6 In2

19257 \*DÜRR. Einige grundsätze zur einföhrung des weideganges in klein- und mittelbäuerlichen betrieben. Weidewirtschaft, u. Futterbau 18: 13. Oct. 23, 1943. (Beilage z. Deut. Landw. Tierzucht v. 47, No. 42/43) 49 D48

19258 DURÁN, J. J. Importancia de las substancias nutritivas en la alimentación de los animales. Ciudad Juárez. Mex. Esc. Particular de Agr. Bol. 64, Ser. 2, 8 p. n. d. 102 C492

19259 DUTCHER, ROBERT. How about hegari for grazing crop? Farmer-Stockman 57: 155. Apr. 1944. 6 Ok45

19260 EASTERBROOK, L. F. What is "bloom"? Home Farmer 11(2): 10. Feb. 1944. 280.344 H75

Discusses nutritive value of different pastures, and possible danger, causing a deceptive "bloom," from those that are too succulent.

19261 ÉIRE. DEPT. OF AGRICULTURE. The importance of ensilage. Éire. Dept. Agr. Spec. Leaflet No. 7, 4 p. Dublin, 1940. 10.5 Ir42S



19262 EIRE. DEPT. OF AGRICULTURE. Making the most of the oat crop for feeding livestock. Eire. Dept. Agr. Spec. Leaflet No. 8, 4 p. Dublin, 1940. 10.5 Ir42S

19263 EIRE. DEPT. OF AGRICULTURE. Potato silage. Eire. Dept. Agr. Spec. Leaflet No. 9, 5 p. Dublin, 1941. 10.5 Ir42S

19264 FERREIRA, E. A., and others. Relatório sobre as condições de arraçoamento dos animais criados na inspetoria regional em Pinheiro, para todas as classes de animais ali existentes e indicar as rações mais recomendadas, tendo em vista as normas de arraçoamento de "Morrison" e os alimentos disponíveis na região. Brazil. Esc. Nac. de Agron. Bol. 3, p. 19-78. Rio de Janeiro, 1942. 102.5 R473  
E. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Leun, and José de Paula, joint authors.

19265 \*FIETKAU, FRITZ. Einige ratschläge für die einsäuerung von futterrüben. Landesbauernschaft Bayern. Wchnbl. 133: 580. Oct. 30, 1943. 18 B34W

19266 \*FINK, H. Neue ziele der mikrobiologischen eiweissgewinnung. Forschungsdienst, Sonderheft 16, p. 724-735. Berlin, 1942. 18 F772

On the manufacture of synthetic protein at low cost and its significance for the farm feed question.

19267 FRANK, PAUL. The pasture is the difference. Acco Press 22(3): 1-5. Mar. 1944. 5 Ac2

19268 GOSS, HAROLD. Those "fourth" stomachs. Pacific Rural Press, South. Ed. 147: 149. Mar. 4, 1944. 6 P112A

Experiments with a very low protein ration, to which nitrogen compounds have been added.

19269 HADDON, C. B. Home grown feed supply vital to increased livestock production. Farm for Victory, Feb. 1944, p. 9. 281.8 F226

19270 \*HARING. Betrachtungen zur einsäuerung roher rüben. Landesbauernschaft Bayern. Wchnbl. 133: 617. Nov. 20, 1943. 18 B34W

19271 \*KANNENBERG, H. Gärfutterbereitung im Mai, Juni besser machen! Landesbauernschaft Württemb. Wchnbl. 110: 295. May 8, 1943. 18 W96

19272 \*KANNENBERG, H. Treten - treten und nochmals treten! Gärfutterherstellung mit behelfsmässigen mitteln. Landesbauernschaft Sachsen. Wchnbl. 91: 392. Sept. 4, 1943. 18 Sa1

19273 KENNEDY, HENRY. The need for increased food production; "the importance of the potato." Eire Dept. Agr. Spec. Leaflet 13, 4 p. Dublin, 1941. 10.5 Ir42S

The value of potatoes as feed.

19274 \*KIRSCH, W. Futterwerbung und -aufbewahrung. Forschungsdienst, Sonderheft 16, p. 653-661. Berlin, 1942. Ref., p. 659-661. 18 F772

19275 KOK, E. A. A alimentação racional e a intensificação da produção pastoril. Rev. de Agr. Piracicaba, 18: 311-318. Sept./Oct. 1943. 9.2 R324

Concentrates and forage crops produced in Brazil.

19276 \*LÜHRS. Vitamin D und jungtieraufzucht. Landesbauernschaft Württemb. Wchnbl. 110: 489. Aug. 28, 1943. 18 W96

19277 MCAULIFFE, H. D. A study of the fermentation of legume silages. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 1-5, processed. 1943. 241.8 P38

19278 \*MANGOLD, E. Ernährungsphysiologische Grundlagen der tierfütterung. Forschungsdienst, Sonderheft 16, p. 615-633. Berlin, 1942. Ref., p. 628-633. 18 F772

19279 MARCELLO, L. S., and MARSHALL, C. V. Iron in stock feeds: Comparison of titrimetric and colorimetric methods. Assoc. Off. Agr. Chem. Jour. 27: 161-165. Feb. 15, 1944. 381 As7

19280 MEINBERG, IRIS. O invernista e a alimentação suplementar. Rev. dos Criadores 15: 8-9. Jan. 1944. 43.8 R32

Livestock feeds in central Brazil.

19281 MILLAR, H. C. Ammoniated sugar beet pulp as a new nitrogenous feed for ruminants. Jour. Dairy Sci. 27: 225-241. Mar. 1944. 44.8 J822

19282 MILNE, D. R. Fodder conservation. So. Austral. Dept. Agr. Jour. 47: 273-274. Jan. 1944. 23 So84

19283 MITCHELL, H. H. The use of phosphorus-containing substitutes for bone meal in livestock feeding with particular reference to the fluorine hazard. Natl. Res. Council. Com. Anim. Nutr. Rpt. 10, 5 p. Washington, 1943. 389.79 N21

19284 MOORE, E. O. What about feeding livestock in the Pecos Valley. New Mex. Stockman 9(3): 38. Mar. 1944. 49 N462

Discusses mainly feed available on the farm.

19285 MOORE, J. C., LINDGREN, H. A., and BALLARD, F. L. Oregon cooperators solve a timber-livestock problem. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 12-14. Feb. 1944. 166.2 N47

Development of livestock-grazing on cut-over timber lands, and cooperative marketing of the livestock.

19286 \*NEHRING, K. Methodik der futtermitteluntersuchungen. Forschungsdienst, Sonderheft 16, p. 634-637. Berlin, 1942. 18 F772

19287 \*NEUMANN, FRITZ. Der hohe futterwert des markstammkohlblattes. Weidewirtsch. u. Futterbau 18: 12. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48

19288 NORTON, C. L. More feed from timothy hay. Dairymen's League News 28(6): 6, 13. Mar. 14, 1944. 44.8 D1432

19289 O'CONNELL, T. The need for increased food production. "Silage as a substitute for imported feeding stuffs." Eire. Dept. Agr. Spec. Leaflet No. 18, 4 p. Dublin, 1941. 10.5 Ir42S

19290 ONATIVIA, JOSÉ DE. Ganadería; método práctico para conservar el pasto; henificación y su conservación. Coop. Agr. [Honduras] 5(51): 5-8. Jan. 1944. 280.28 C7874

19291 \*PANNWITZ. Gärfutterbereitung ohne fehlschläge. Landesbauernschaft Württemb. Wchnbl. 110: 308. May 15, 1943. 18 W96  
Silage making.

19292 PECK, LYMAN. Animal and vegetable proteins in animal and poultry nutrition. Feedstuffs 16(12): 41-43. Mar. 18, 1944. 286.81 F322

19293 PHILLIPS, RONALD. In order of merit; a discussion on the feeding value of the various fodder crops. Farmers Weekly [London] 20(13): 28. Mar. 31, 1944. 10 F2226

19294 \*RABITZ. Futterreserven in Sachsen-Anhalt. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 264. May 8, 1943. 18 Sa9

Preserving feed by converting it into silage.

19295 \*RICHTER, K. Die bitterstofffreie lupine in der fütterung. Forschungsdienst, Sonderheft 16, p. 661-668. Berlin, 1942. Ref. 18 F772

19296 \*RICHTER, K. Zweckmässiger einsatz von zuckerrübenblättern und -köpfen. Weidewirtsch. u. Futterbau 18: 11. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48

Feeding value.

19297 SACHS, W. H. Use of urea in feed ruminants. Du Pont de Nemours, E. I. & Co., Agr. News Letter 12: 28-32. Mar./Apr. 1944. 6 D82

19298 \*SCHARRER, K., and SCHREIBER, R. Nährstoffansprüche des saflors (Carthamus tinctorius) an stickstoff und phosphorsäure. Boden- u. Pflanzenernähr. 31: 253-262. 1942. 384 Z343A



19299 \*SCHMIDT, J., and KLIESCH, J. Die amidfrage, unter besonderer berücksichtigung der versuche mit harnstoffamid schnitzeln und glykokoll. Forschungsdienst, Sonderheft 16, p. 637-645. Berlin, 1942. Ref. 18 F772

On the substitution of amide and artificial nitrogen compounds for protein in the feed of livestock, especially dairy cattle.

19300 SHEETS, E. W. Improve those pastures. Shorthorn World 28(23): 28-29. Feb. 25, 1944. 43.8 Sh8

19301 \*SOBRAT' bol'she sena [To harvest more hay]. 1-2. Kolkhoznoe Proizvodstvo, No. 5/6, p. 13-16, May/June 1943. 281.8 K83

1. by V. Kharchenko; 2. by N. Terent'ev.

Harvest so as to retain nutritive value and procure maximum amount.

19302 STREET, A. G. Leys without livestock: the new pastures are crying out for grazing; but where are the water supplies and the fences that they need? Farmers Weekly [London] 20(13): 27. Mar. 31, 1944. 10 F2226

19303 SULLIVAN, J. T. High-protein concentrate can be obtained from grass. Food Indus. 16(3): 78-79, 137. Mar. 1944. 389.8 F737

19304 TANNER, N. E. Alberta's grazing policy. Canad. Cattleman 6: 172-173. Mar. 1944. 49 C16

19305 \*TSIREL'SON, N. B. Podgotovka kormov k skarmlivaniu [Preparation of feedstuff]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosovety Kolkhoz., No. 106, 8 p. folder. Moskva, 1943. 20 Ag88

19306 TUSTIN, E. B., JR. Salt requirements of livestock must be met for adequate nutrition. Feed Bag 20(3): 46. Mar. 1944. 389.78 F32

19307 VILLARES, J. B. O sal na alimentação dos animais. Rev. Rural Bras. 23(277): 27-29. Sept. 1943. 9.2 B733

19308 \*WEISS, HUGO. Das zuckerrübenblatt als futterlieferant. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 517-518. Oct. 2, 1943. 18 Sa9

19309 WICKHAM, C. E. Our feed needs and supplies. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 121-122. 44.9 V593

19310 WILSON, W. W. Factores que deben atenderse en la alimentación del ganado. Res 11: 15137-15138. Nov. 5, 1943. 286.85 R31

#### VETERINARY MEDICINE

19311 ARMSTRONG, M. C. Animal diseases and public health. New Zeal. Jour. Agr. 68: 37, 39-41. Jan. 15, 1944. 23 N48J

19312 AULT, C. N. Nematodes parásitos de los bovinos y ovinos en la Argentina. Rev. de Med. Vet. [Buenos Aires] 25: 468-487. Sept./Oct. 1943. Ref. 41.8 B86

English summary.

19313 BAKER, E. T. Autobiography of a veterinary practitioner. XXI. Going into practice. Vet. Med. 38: 480-484. Dec. 1943. 41.8 M69

19314 BARRAZA QUIROGA, FERNANDO. Profilaxis del carbunco. Agr. del Norte 27: 699-701. Nov. 1943. 9.3 Sol4

19315 \*BENDIXEN, H. C. Om mund- og klovesyggen i Danmark. Ugeskr. for Landmaend 88: 767-773. Nov. 5, 1943. 11 Ug3

Foot and mouth disease in Denmark.

19316 BERGMAN, H. D. Curriculum changes in the Veterinary Division of Iowa State College. Vet. Student 6: 128-129 164, 166. Winter 1944. 41.8 V6425

19317 BONELLI, W. G. Hereditary resistance to disease. Vet. Student 6: 130-132, 163-164. Winter 1944. 41.8 V6425

19318 \*BONGERT, J. G. Weitere beiträge zur lehre der entstehung der tuberkulose (phthisiogenese). Deut. Schlachthof-Ztg. 43: 117-123, 165-169. June 15, Sept. 15, 1943. 286.85 D48

19319 BROOKS, R. F. A study of certain members of the genus Corynebacterium from animal sources. Cornell Univ. Abs. of Theses, 1942: 352-353. 1943. 241.8 C81

19320 CAMERON, A. E. Canadian veterinary service, its wartime work. Amer. Vet. Med. Assoc. Jour. 104: 189-191. Apr. 1944. 41.8 Am3

19321 CAMPERCHIOLI, E. E. Conveniencia de denunciar espontáneamente la existencia de fiebre aftosa en las haciendas y tratamientos especiales en las formas graves de su presentación. Fed. Argentina de Coop. Tambras Lda. Rev. 3(26): 25-26. Sept. 1943. 280.28 F31

19322 CAMPERCHIOLI, E. E. Intoxicaciones del ganado producidas por pastos tóxicos. Fed. Argentina de Coop. Tambras Lda. Rev. 2(16): 5; (17): 6-7; (18): 9; (19): 14-15; (20): 6. Nov. 1942-Mar. 1943. 280.28 F51

19323 CAMPERCHIOLI, E. E. Que debe hacerse frente a casos de carbunco? Fed. Argentina de Coop. Tambras Lda. Rev. 1(6): 5-6. Jan. 1942. 280.28 F31

19324 CASOS, G. A. Hidatidosis o equinococosis ("quistes" o "bolsas de agua"). Fed. Argentina de Coop. Tambras Lda. Rev. 1(9): 10-12. Apr. 1942. 280.28 F31

19325 \*CATANEI, A. Sur les modifications morphologiques des champignons pathogènes. Inst. Pasteur d'Algérie. Arch. 21: 180-184. Sept. 1943. 448.5 In7A

19326 CIUDAD JUÁREZ, MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Edad de los animales. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 55, Ser. 2, 7 p. n. d. 102 C492

Determination by examination of horns and teeth.

19327 COIT, J. E. Avocado leaves dangerous food for livestock. Calif. Avocado Soc. Yearbook 1943: 37. 81 C128

19328 COURTICE, F. C. The blood volume of normal animals. Jour. Physiol. 102: 290-305. Dec. 31, 1943. 447.8 J82

Rabbits, dogs, goats, and horses.

19329 \*DEGTJAREV, G. V. Mokh-sfagnum kak zamenitel' perev'azochno go materiala [Sphagnum as a substitute for dressing material]. Veterinariia 19(8/9): 39-40. Aug./Sept. 1942. 41.8 V6426

19330 ECKELL, O. A. Acción tóxica del Solanum glaucum Dun (duraznillo blanco). Rev. de Med. Vet. [Buenos Aires] 25: 458-467. Sept./Oct. 1943. 41.8 B86

19331 FEATHERLY, H. I., and others. Glottidium vesicularum, a poisonous plant in the Southwest. Vet. Med. 38: 478-479. Dec. 1943. 41.8 M69  
E. E. Harnden, O. C. Dermer, and H. C. Smith, joint authors.

19332 FORBES, R. M. Ketosis in the ruminant species. Cornell Univ. Abs. of Theses 1942: 287-288. 1943. 241.8 C81

19333 \*FRAUCHIGER, E. Anatomie und neurologie. Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 186. June 11, 1943. 41.8 B45

19334 GREER, J. E. Stader reduction splint. M. S. C. Vet. 4: 37-40, 48. Fall 1943. 41.8 M582

19335 HERRIOTT, H. W. Chemo-therapy in acute febrile conditions of animals. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 93, p. 3-10. Jan. 18, 1944. 41.9 P386

Use of sulfonamides.



19336 IRVING, M. R. Tetanus in livestock. Queensland Agr. Jour. 58: 113-114. Feb. 1944. 23 Q33

19337 \*KELLER, HUGO. Tuberkelbakteriengehalt des fleisches und beurteilung tuberkulöser schlachttiere. Ztschr. f. Fleisch u. Milchhyg. 54: 31-36. Nov. 15, 1943. 449.8 Z35

Bakteriologische bemerkungen zu den ausführungen von Prof. Keller, by Karl Beller, p. 36-38.

19338 KINGREY, B. W. Postwar planning. Vet. Student 6: 136-137, 169. Winter 1944. 41.8 V6425  
First of a series of articles discussing work of the Postwar Planning Committee of the American Veterinary Medical Association.

19339 \*KONNOV, M. Preduprezhdenie i lechenie zheludochno-kishechnykh zabolevaniy u molodniaka [Prevention and treatment of gastro-intestinal diseases of the young]. Sovkhoznoe Proizvodstvo 3(12): 28-30. Dec. 1943. 20 So85

Calves and baby pigs.

19340 KUBES, V., and GALLIA, F. Brain-tissue neutralization. A new biological reaction for rabies virus. Its relation to the protection and serum-neutralization tests. Canad. Jour. Compar. Med. 8: 48-60. Feb. 1944. 41.8 C162

A condensed translation of item 9398, q. v.

19341 LIGNIERES, ROBERTO. Los sueros y la conservación de sus cualidades inmunizantes. Rev. Zootéc. [Buenos Aires] 30(252): 16-19. Dec. 1943. 9 R323

19342 LITTLE, G. W. Spastic symptoms and their control in small animals [by trasentine]. North Amer. Vet. 25: 224-225. Apr. 1944. 41.8 N812

19343 LLORENS, M. A. Ensayo de la sulfanilamina en las complicaciones de la fiebre aftosa. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(12): 4. July 1942. 280.28 F31

19344 LLORENS, M. A. Quimioterapia en la fiebre aftosa. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(10): 14-15. May 1942. 280.28 F31

19345 MILLS, M. T. Inversion of the caecum for control of Trichuris vulpis. Middlesex Vet. 3(1): 12. Fall 1943. 41.8 M583

19346 MORA PEREZ, FAUSTO. Timpanitis. Agr. Mex. 59(12): 4-5. Dec. 1943. 8 Ag8

19347 MOULE, G. R. Fluorine poisoning of live stock. Queensland Agr. Jour. 58: 54-55. Jan. 1944. 23 Q33

19348 MÜSSEMEIER, F. Tiergesundheits und tierheilkunde. Forschungsdienst, Sonderheft 16, p. 553-568. Berlin, 1942. 18 F772

19349 OLCESE, M. R. Primavera: la mejor epoca para vacunar contra el carbunco. Rev. Sencor 2(17): 15. Nov. 1943. 280.28 R322

19350 PAQUIN, JEAN. La santé publique et le vétérinaire. Rev. d'Oka 18(1): 26-28. Jan./Feb. 1944. 7 Ok1

19351 PIRES, ANTONIO. Hidatidosis. Cáncer blanco. Ovina 5: 608-614. Apr. 1943. 45.8 Ov4

19352 PLUNKETT, J. J. A survey of the work of the Royal Army Veterinary Corps with the British Expeditionary Force in France from December, 1939, to June, 1940. Roy. Army Vet. Corps Jour. 15: 28-32. Feb. 1944. 41.8 G79

19353 \*SEIFERLE, EUGEN. Darf das pferd für die gebäudebeurteilung des hundes ohne weiteres als vorbild gebraucht werden? Berlin u. München. Tierärztl. Wchnschr., No. 23/24, p. 183-186. June 11, 1943. 41.8 B45

19354 UTTERBACK, J. A. The management and healing of wounds. Vet. Med. 38: 449-459. Dec. 1943. 41.8 M69

19355 VILLALOBOS, JAVIER. La brucelosis en Chihuahua. Chihuahua Canad. 4(47): 25, 27-31. Nov. 1, 1943. 43.8 C43

Control in cattle and goats to prevent outbreaks of undulant fever in man.

19356 WRAGG, W. G. Agriculture and the veterinary profession. Vet. Jour. 100: 26-31. Feb. 1944. 41.8 V643

#### MISCELLANEOUS

19357 \*ANDERSEN, K. M. Husdyrbruget 1942. Ugeskr. for Landmaend 88: 14-21. Jan. 8, 1943. 11 U83

An analysis of the livestock industry in Denmark during 1942.

19358 BIRD, JOHN. One foot on the land. Sat. Evening Post 216(38): 12-13, 46, 48. Mar. 18, 1944. 110 S

Story of an electrician who combined livestock farming with an industrial job.

19359 CAMERON, DONALD. Stocking the Highlands of Scotland, to increase food production. Scot. Farmer (Spec. Album No.) 52: 45-46. Jan. 1, 1944. 10 Sco8

19360 CHADA, H. L. Rat control suggestions for broiler growers. Peninsula Broiler Jour. 3(21): 1, 4. Mar. 6, 1944. 47.8 P37

19361 \*EKIN, RIFAT. Hayvancılık [Animal industry]. Turkey. Ziraat Vekâleti. Neşriyat. U. Sayı 578, 174 p. Istanbul, 1943. 25 T842  
On cover, name given as Firat Ekin.

19362 FARIAS, RENATO DE. Novas diretrizes da pecuária em Pernambuco. Pernambuco, Brazil. Sec. da Agr., Indús. e Com. Bol. 10(1): 15-24. Mar. 1943. 9.2 P423

19363 THE FUTURE of agricultural shows. London Farmers' Club. Jour., Pt. 6, p. 92-101. 1943. 10 L84

A symposium mainly about English livestock shows.

19364 GORDON DAVIS, JORGE. Orígenes de la ganadería argentina; primeras exportaciones de sus productos, tasajos y cueros - vínculos con Gran Bretaña - influencia de las razas inglesas sobre la ganadería nacional. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 32(768): 5-9, 10. Jan. 15, 1944. 287 R71

A historical account with statistics.

19365 HARTWIG, L. H. 70 extra tons of food. Furrow, Vol. 49, p. 3, 11. Feb./Mar. 1944. 6 F98  
Description of a successful livestock farm.

19366 HAYSTEAD, LADD. Who will get burnt on sales of purebreds? Farm Jour. 68(4): 19. Apr. 1944. 6 F2212

19367 \*HENSELER, H. Jungtieraufzucht. Forschungsdienst, Sonderheft 16, p. 588-596. Berlin, 1942. Ref. 18 F772

19368 JOHNSON, LAMONT. [R. H.] Heckendorf of Littleton, Colorado, is building with Holsteins, Herefords and hogs. West. Farm Life 46(5): 23-24. Mar. 1, 1944. 6 R153

19369 \*KARASMEN, FIKRI. Hayvancılık [Animal industry]. Turkey. Ziraat Vekâleti. Neşriyat. Sayı 475 (Eğitmen Kursları 4), 54 p. Ankara, 1940. 25 T842

19370 LEINBACH, F. H. Conserving livestock by good management practices. Natl. Humane Rev. 32(3): 9. Mar. 1944. 48.8 N212

19371 MCDANIEL, GERTRUDE. How Monte Cook kills coyote. West. Farm Life 46(5): 7. Mar. 1, 1944. 6 R153

19372 MCFARLAND, ELLIS. Post-war planning for livestock shows. Holstein-Friesian World 41: 361-362, 421. Mar. 18, 1944. 43.8 H742



- 19373 MCGHEE, J. H. A livestock depot, R.A.V.C., in the Middle East [for supplying meat to the armies]. Roy. Army Vet. Corps Jour. 15: 36-41. Feb. 1944. 41.8 G79
- 19374 \*MEHNER, A. Bodenständige tierzucht. Forschungsdienst, Sonderheft 16, p. 574-577. Berlin, 1942. 18 F772
- Adaptation of livestock to local conditions.
- 19375 MEREDITH, MAX. Dingoes "down under" [prey on rabbits, sheep and poultry]. Our Dumb Anim. 77: 48. Mar. 1944. 48.8 Ou7
- 19376 NEWELL, F. F., and LANCASTER, R. M. Mississippi stockmen in the making. Prog. Farmer, Miss.-Ark.-La. Ed. 59(3): 12, 49. Mar. 1944. 6 So8
- Records of 4-H livestock clubs.
- 19377 ORCHARD, MALCOM. When livestock takes the crown. Farm and Ranch 63(3): 22. Mar. 1944. 6 F31
- Raising Aberdeen-Angus cattle and Berkshire hogs on farm in Texas cotton belt.
- 19378 PAGE, SIR EARLE. Australian post-war development. Livestock problems (No. 4). Country Life [Sydney] 55(28): 9. Jan. 7, 1944. 286.85 Sy2
- Production goals for livestock.
- 19379 \*SAUER, TH. Was muss der selbstversorger beachten, wenn er eine schlachtgenehmigung erhalten will? Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 331A. June 5, 1943. 18 B34W
- 19380 \*SCHMIDT, J. Arbeiten und aufgaben der reichsarbeitsgemeinschaft "tierzucht." Forschungsdienst, Sonderheft 16, p. 551-553. Berlin, 1942. 18 F772
- In Germany.
- 19381 SHAW, A. O. Stick by livestock--It will pay! Prog. Farmer, Car.-Va. Ed. 59(4): 12, 27. Apr. 1944. 6 P945
- 19382 SPROTT, D. B. Ranching in Australia. Cattleman 30(10): 17-18, 93-97. Mar. 1944. 49 C29
- 19383 TIPTON, BILL. The real value of the stock show. Acco Press 22(2): 1-4. Feb. 1944. 6 Ac2
- 19384 WHITE, H. R. Salesmanship. Shorthorn News 5(1): 24-25. Mar. 1944. 43.8 Sh85
- Suggestions for successful selling of livestock.
- ### CATTLE
- #### Breeds and Breeding
- 19385 ALBAUGH, REUBEN, and ASMUS, RUDOLPH. More veal thru breeding yearling heifers. West. Livestock Jour. 22(24): 18, 56-58, 60. Mar. 15, 1944. 6 F2278
- 19386 ALLEN, H. H. The Maryland Shorthorn Breeders Association [inaugural meeting]. Shorthorn World 29(1): 5. Mar. 10, 1944. 43.8 Sh8
- 19387 ALSOP, J. W. Dairy cattle, breed associations' progress. Guernsey Breeders' Jour. 65: 463, 474-476, 478-479. Mar. 15, 1944. 43.8 093
- Also in Holstein-Friesian World 41: 450-451. Apr. 1, 1944. 43.8 H742
- 19388 ATKESON, F. W., ELDRIDGE, FRANKLIN, and IBSEN, H. L. Prevalence of "wrytail" in cattle. Further studies on the prevalence [sic] and mode of inheritance of wrytail in [several breeds of] cattle. Jour. Hered. 55: 11-14. Jan. 1944. 442.8 Am3
- 19389 BACKUS, H. A. The sons of Montvic Chieftain [Holstein-Friesian bull]. Holstein-Friesian World 41: 366-367, 418-421. Mar. 18, 1944. 43.8 H742
- 19390 BATTLES, O. V. Is there a place for Aberdeen Angus in the West. West. Livestock Jour. 22(24): 48, 50, 52. Mar. 15, 1944. 6 F2278
- 19391 BATTLES, O. V. The story of a great British [Aberdeen-Angus] herd. Aberdeen-Angus Jour. 25(8): 10, 128. Mar. 1944. 43.8 Ab3
- 19392 BONE, HUGH. Ayrshire cattle in 1943 [in Great Britain]. Scot. Farmer (Spec. Album No.) 52: 108-109. Jan. 1, 1944. 10 Sco8
- 19393 BORLAND, A. A. Brown Swiss in Penn. State College herd. Brown Swiss Bul. 22(9): 14, 16. Mar. 1944. 43.8 H81
- 19394 BROCKMAN, L. W. Howard County, Missouri [Aberdeen-Angus Breeders' Assoc.]. Aberdeen-Angus Jour. 25(8): 70, 74. Mar. 1944. 43.8 Ab3
- 19395 CARNEIRO, G. G. O emprego do Zebu na formação do gado de corte nos trópicos. Ceres [Brazil] 5(25): 17-26. Sept./Oct. 1943. 9.2 C332
- 19396 COCHRANE, TOM. An old scribe's story of the past and the present [of Aberdeen-Angus cattle] in Kentucky. Aberdeen-Angus Jour. 25(8): 76E-76F. Mar. 1944. 43.8 Ab3
- 19397 CRISSEY, A. N. Holstein cows at Cottonade Farm, Fayetteville, N. C. South. Planter 105(3): 6, 12-13. Mar. 1944. 6 So89
- Also in Holstein-Friesian World 41: 452, 493, 496-497. Apr. 1, 1944. 43.8 H742
- 19398 DAVIES, WILFRED. Tips for beginners in artificial insemination [for cattle]. Shorthorn News 5(1): 16. Mar. 1944. 43.8 Sh85
- 19399 DAY, G. E. Early maturity: What does it mean [when applied to Shorthorn cattle]? Shorthorn World 28(23): 3-4, 18-19. Feb. 25, 1944. 43.8 Sh8
- 19400 DONN, IAIN. Highland cattle [of Scotland] in 1943. Scot. Farmer (Spec. Album No.) 52: 113-114. Jan. 1, 1944. 10 Sco8
- 19401 \*ENGELER, W. Die haltung der zuchtstiere; eine untersuchung über den umfang, die rechtliche und finanzielle regelung der zuchtstierhaltung sowie über beschaffung, haltung, fütterung und zuchtbenutzung der deckstiere im zuchtgebiet des schweiz. Braunviehs, zugleich eine anleitung zur zuchtstierhaltung mit musterverträgen und deckvorschriften. Landw. Jahrb. der Schweiz 57: 521-630. 1943. 17 L23
- 19402 FERREIRA, E. A., and others. Estudo sobre o comportamento das raças Schwyz., Normanda e Holandesa (malhada de preto), na região, quanto aos seus caracteres raciais, sua produtividade e grau de aclimação. Brazil. Esc. Nac. de Agron. Bol. 3, p. 79-123. Rio de Janeiro, 1942. 102.5 R473
- B. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Laun, and José de Paula, joint authors.
- 19403 FISHER, W. H. Brahman cattle in the United States. West. Livestock Jour. 22(24): 32, 34. Mar. 15, 1944. 6 F2278
- 19404 FORBES, R. C. Our new registry certifies [for Shorthorns]. The ancestors that tend most to influence an animal's characteristics appear within three generations. Shorthorn World 29(1): 3-4, 60. Mar. 10, 1944. 43.8 Sh8
- 19405 HAMMOND, JOHN. Artificial insemination [of cattle]. Farmers' Jour. 24: 165-166. Mar. 1944. 10 F2234
- 19406 HAYS, HARRY. A trip to Mexico; dairy herds of up to 1,000 head near Mexico City are dominated by Holsteins of Dutch and American origin. Holstein-Friesian Jour. 6(11): 32-33. Feb. 1944. 43.8 H743
- 19407 HIGLEY, P. I. Artificial breeding has "growing pains." Successful Farming 42(1): 54, 60-61. Jan. 1944. 6 Su12
- Dairy cattle breeding.
- 19408 HODGSON, R. E. "Middle of the road" [Milking Shorthorn] cows. Milking Shorthorn Jour. 25(3): 18. Mar. 1944. 43.8 M59



19409 JARRETT, GEORGE. 'Strain' in cattle and crops. Farmers Weekly [London] 20(11): 31. Mar. 17, 1944. 10 F2226

Records of Maple Lodge strain of Guernsey cattle in Australian herd.

19410 KELLEY, R. B. Zebu-cross cattle in Northern Australia, an ecological experiment. Austral. Council Sci. and Indus. Res. Bul. 172, 96 p. Melbourne, 1943. Ref., p. 93-96. 514 Au72B

19411 KINCAID, JOHN. The Belted Galloway. Scot. Farmer (Spec. Album No.) 52: 112. Jan. 1, 1944. 10 Sco8

19412 \*KNIELY, A. Nachzucht-schauen im Tiroler fleckviehzuchtverband. Deut. Landw. Tierzucht 47: 217-218. Nov. 6, 1943. 49 D48

19413 \*KOPPE, Nachzuchtprämierungen helfen rasse und leistung verbessern. Deut. Landw. Tierzucht 47: 219-220. Nov. 20, 1943. 49 D48

Dairy cattle breeding for increased milk production.

19414 \*KORSHOLM, K. P. Kunstig saedoverføring. Ugeskr. for Landmaend 88: 774. Nov. 5, 1943. 11 Ug3

Artificial insemination of cattle.

19415 LEWIS, R. E. Indicate polled [Ayrshire] characteristics. Ayrshire Digest 30(3): 7. Mar. 15, 1944. 43.8 Ay7

19416 LIMA, E. B. Pura raza e cruzamento. Chacaras e Quintais 68: 589-592. Nov. 15, 1943. 9.2 C34

Dairy cattle breeding in Brazil.

19417 LITTLEWOOD, R. W. Grading cattle in the Anamalai Hills. Indian Farming 4: 351-352. July 1943. 22 In283

Breeding grade dairy cows to pure bred sires.

19418 \*LÖWE, H. Vererbungswissenschaftliche probleme der züchtung. Forschungsdienst, Sonderheft 16, p. 569-574. Berlin, 1942. Ref. 18 F772

In Germany.

19419 \*OBEE, Erfolgreiche mai-absatzveranstaltung der Thüringer fleckviehzucht. Deut. Landw. Tierzucht 47: 215-216. Nov. 6, 1943. 49 D48

19420 \*PEDERSEN, VIGGO. Nye tyske forsøg med krydning af forskellige hmsdyracer. Ugeskr. for Landmaend 88: 775-776. Nov. 5, 1943. 11 Ug3

Breeding experiment in Germany by crossing different breeds of livestock, with special reference to crossing Jersey cattle with black-brindled lowland cattle.

19421 PELLETIER, J. R. Ayrshires move fast in Alberta. (To be cont.) Canad. Ayrshire Rev. 24: 345-346, 348. Mar. 1944. 43.8 Ay72

19422 \*PLUM, MOGENS. Den kunstige saedoverføringens alvbiologiske problemer. Ugeskr. for Landmaend 88: 790-796. Nov. 12, 1943. 11 Ug3

Advantages and disadvantages of breeding dairy cattle by artificial insemination.

19423 REVEILLEAU, ALFEU. O papel das raças bovinas indianas na pecuária paulista. Rev. Rural Bras. 23(279): 28-29. Nov. 1943. 9.2 B733

Zebu cattle in Brazil.

19424 RICHARDSON, T. C. Yes, we have good Jerseys...reviewing the Southwest's better livestock. Farmer-Stockman 57: 141, 149. Apr. 1944. 6 Ok45

19425 ROBB, C. J. Herefords in Ireland. Cattleman 30(11): 18. Apr. 1944. 49 C29

19426 ROBINSON, C. W. A chapter in Guernsey history. Guernsey Breeders' Jour. 65: 546-547, 555-556. Apr. 1, 1944. 43.8 093

19427 TAUSSIG, STEFAN. Building the future dairy herd. [N. Y.] Onondaga Co. Farm Bur. News 24 (2): 13, 18. Feb. 1944. 275.293 N.Y., Onondaga Co.

19428 TROWBRIDGE, E. A. Missouri, home of top Aberdeen-Angus. Aberdeen-Angus Jour. 25(8): 58, 60, 62, 64, 68. Mar. 1944. 43.8 Ab3

History of the breed in Missouri.

19429 \*UHLIMANN, OLR. Mindestleistungen bei der körung von bullen. Landesbauernschaft Sachsen. Wohnbl. 91: 273. June 12, 1943. 18 Sal

19430 VAUPEL, M. G. Bloodlines highly important in purebred Shorthorn cattle. Shorthorn World 28(23): 22-24. Feb. 25, 1944. 43.8 Sh8

19431 \*WINNIGSTEDT. Die bewährung der eingeführten schwarzbunten holländischen zuchtkühe und zuchtbullen im Rheinland. Deut. Landw. Tierzucht 47: 175-176. Aug. 28, 1943. 49 D48

#### Feeds and Feeding

19432 ARMSTRONG, MAX. Cattle; started by Mission Fathers, beef is the oldest industry in Monterey County. Calif. Cattleman, Mar. 1944, p. 12. 43.8 C12

Stresses feeding.

19433 \*BEGUCHEV, A. Telfata na pastbische [Calves in the pasture]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 19-20, May/June 1943. 281.8 K83

Discusses feeding.

19434 BRATTON, R. W. Influence of quality of protein in the concentrate mixture on the milk production of dairy cows fed mixed hay and corn silage as roughage. Cornell Univ. Abs. of Theses, 1942: 455-459. 1943. 241.8 C81

19435 \*BREIREM, KNUT. Förplaner for vinterförlinga på fjøset i år. Norsk Landbruk 9: 342-344. Dec. 24, 1943. 11 N8122

Adequate winter feeding program in Norway for dairy cattle, with limited feed supply.

19436 \*BREIREM, KNUT. Vinterförlinga på fjøset i år. Norsk Landbruk 9: 279-282. Oct. 15, 1943. 11 N8122

Discusses the available feed supply and the feeding of dairy cattle, in winter.

19437 \*BÜNGER, H. Das Futtervolumen beim rind. Forschungsdienst, Sonderheft 16, p. 668-672. Berlin, 1942. 18 F772

19438 \*BÜNGER, H. Futterwert und verfütterung der rapsrückstände. Landesbauernschaft Württemb. Wohnbl. 110: 395. July 3, 1943. 18 W96

Feeding value of rape byproducts for dairy cows.

19439 \*DINKHAUSER, F. Fattersparnis bei der kälberaufzucht. Landesbauernschaft Württemb. Wohnbl. 110: 359. June 12, 1943. 18 W96

Feeding whole and skim milk to dairy calves.

19440 DREXLER, A. More milk from cheap winter grazing. Farmer & Stock-Breeder 58: 345. Feb. 29, 1944. 10 F228

19441 DUCK, R. W. Feeding and caring for dairy calves. Rural New-Yorker 103: 166, 168. Mar. 18, 1944. 6 B88

19442 DYKSTRA, R. R. Good water means bigger beef output. Amer. Hereford Jour. 34(21): 10-11. Mar. 1, 1944. 43.8 Am32

19443 ELLENBERGER, H. B. Feeding the dairy cow in 1944. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 129-140. 44.9 V593

19444 \*GEGERLE, P. Richtige kälbertränkung; ein weg zur einsparung von milch und zur zweckmäßigen aufzucht. Landesbauernschaft Sachsen. Wohnbl. 91: 302. July 3, 1943. 18 Sal

19445 GERLAUGH, PAUL. Cobs of real value in beef cattle feed. Grain & Feed Jours. Consolidated 92: 243. Mar. 22, 1944. 298.8 G762

19446 GREEN, H. B. A Cumberland tuberculin testing pioneer. Farmer & Stock-Breeder 58: 346. Feb. 29, 1944. 10 F228

Discusses a Milking Shorthorn herd, and feeding with artificially dried grass.



- 19447 \*HEIMBRODT. Zum weideautrieb. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 242. Apr. 24, 1943. 18 Sa9  
Season for pasturing dairy cattle.
- 19448 HEWITT, A. C. T. A mineral feeding trial with dairy cows in the Kiawa Valley. Victoria. Dept. Agr. Jour. 42: 2-3. Jan. 1944. 23 V66J
- 19449 HURD, R. M., and Pearse, C. K. Relative palatability of eight grasses used in range reseeding. Amer. Soc. Agron. Jour. 36: 162-165. Feb. 1944. 4 Am34F
- 19450 \*JENSEN, H. L. Roetoppens udnyttelse. Ugeskr. for Landmaend 88: 697. Oct. 1, 1943. 11 Ug3  
Utilization of fresh and ensiled sugar beet tops as cattle feed.
- 19451 JONES, J. H., and WHITFIELD, C. J. Pasture alone for fattening yearlings. Cattleman 30(11): 35. Apr. 1944. 49 C29
- 19452 \*JØRGENSEN, HALFDAN. Kvaegets vinterfodring. Ugeskr. for Landmaend 88: 803-805. Nov. 19, 1943. 11 Ug3  
Winterfeeding of dairy cattle in Denmark. Adjustments made on account of feed shortages.
- 19453 \*JORIS. Überwinternde Zwischenfrüchte; "frühes grünfutter, auch ein schlüssel zum geordneten futterhaushalt." Weidewirtsch. u. Futterbau 18: 11-12. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48
- 19454 KRAUSS, W. E. Essentials of dairy, calf nutrition and their practical application. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 118-120. 44.9 V593
- 19455 KRAUSS, W. E. Feeding to avoid summer slump in milk production. Milk Dealer 33(6): 46-47. Mar. 1944. 44.8 M595
- 19456 KRAUSS, W. E. New feeding knowledge and wartime dairy cow rations. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 123-128. 44.9 V593
- 19457 \*KÜHL, WILHELM. Verwertung von grünrohr als futtermittel. Landesbauernschaft Württemb. Wchnbl. 110: 360. June 12, 1943. 18 W96  
As cattle feed.
- 19458 \*LANG, FR. Saubere milchgewinnung auch während der rübenblattfütterung. Deut. Landw. Tierzucht 47: 198-199. Oct. 9, 1943. 49 D48
- 19459 \*LENTZ. Vorsicht bei beginn der grünfütterung. Landesbauernschaft Bayern. Wchnbl. 133: 243. Apr. 17, 1943. 18 B34W  
Dairy cattle pasturing.
- 19460 \*MEISNER. Das futter bedingt die leistung; voraussetzung für eine erfolgreiche sommerstallfütterung. Landesbauernschaft Württemb. Wchnbl. 110: 271. Apr. 24, 1943. 18 W96  
Feeding dairy cows.
- 19461 MITCHELL, J. H., and WISE, G. H. The comparative effects of continual and rotational systems of grazing on the carotene content of permanent pasture herbage and of the milk produced therefrom. Jour. Dairy Sci. 27: 189-196. Mar. 1944. Ref. 44.8 J822
- 19462 MONROE, C. F., and KRAUSS, W. E. Fat in the dairy grain mixture. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 15-26. Jan./Feb. 1944. 100 Ch3S  
Effect of the level of fat supplied by oil meal on milk production.
- 19463 \*NEUMANN, FRITZ. Der wert einwandfreien grünfutters für hohe milchleistung. Deut. Landw. Tierzucht 47: 203. Oct. 23, 1943. 49 D48
- 19464 PARKHURST, R. T. Sources and supplies of essential vitamins for dairy and poultry feeding. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 150-152. 44.9 V593
- 19465 PERKINS, A. E., and others. The preservation and feeding of carrots as combination silages. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 10-14. Jan./Feb. 1944. 100 Ch3S  
C. C. Hayden, W. E. Krauss, R. G. Washburn, and C. F. Monroe, joint authors.  
Carrot roots and tops ensiled with corn and also with green alfalfa are nutritive feed for dairy cows.
- 19466 PICKERING, H. H. Stocking pastures with beef cattle and sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 537-540. Mar. 1944. 10 G79J  
Pasture management.
- 19467 PICO, FRANK. El guandul (frijol de palo) como alimento para el ganado. Rev. de Agr. y Com. [Panama] 3(28): 17-19. Dec. 1943. 8 R3291
- 19468 POZZI, C. M. El empleo de yodo para aumentar la producción de leche. Rev. de Agr. y Com. [Panama] 3(28): 55-56. Dec. 1943. 8 R3291
- 19469 RALSTON, N. F. The relative feeding value of silages fed to dairy cows for milk production and to growing dairy heifers. Cornell Univ. Abs. of Theses, 1942: 464-471. 1943. 241.8 C81
- 19470 \*ROSENBERGER, G. Wie steht es mit der verträglichkeit des futterkohls? Deut. Landw. Tierzucht 47: 211-212. Nov. 6, 1943. 49 D48  
Cattle feeding.
- 19471 \*ROTTENSTEIN, KNUD. Den kommende vinters mineralstofproblem. Ugeskr. for Landmaend 88: 863-866. Dec. 10, 1943. 11 Ug3  
Discusses satisfactory mineral content for winter feed of dairy cattle and swine in Denmark.
- 19472 \*SCHREIBAUER, H. Fütterungsversuch mit dicksaurem magermilch. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 501A. Sept. 11, 1943. 18 B34W  
Feed for dairy calves.
- 19473 SIEVERS, ANGELIKA. Die rindviehwirtschaft der Vereinigten Staaten von Amerika. Futtergrundlagen und betriebswirtschaftliche eigenart. Berlin. Univ. Inst. f. Meeresk. Veröffentl. (N. F.) B. Hist.-Volksw. Reihe, Heft 14, 118 p. Berlin, 1939. Ref., p. 112-118. 45 S112
- 19474 SLOCUM, G. W. Some suggestions to help meet the critical food situation in the Northeast. Dairymen's League News 28(7): 8. Mar. 28, 1944. 44.8 D1432  
Dairy cattle feeds.
- 19475 SMITH, J. W. G. Conserved pasture hay and silage, a means of increasing dairy production. Agr. Gaz. N. S. Wales 55(1): 7. 10. Jan. 1, 1944. 23 N472
- 19476 SYLVESTRE, P. E. The creep feeding of beef calves. Shorthorn News 5(1): 7-8. Mar. 1944. 43.8 Sh85
- 19477 \*TROSHIN, I. Vyrazhchivanie tel'fat na moloke s ponizhennym protsentom zhira [Raising calves on milk with a lower percentage of fat]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 22-23, Feb./Mar. 1943. 281.8 K83
- 19478 VOLK, N. J. Feed cows better to increase milk supply. Farm for Victory, Feb. 1944, p. 9. 281.8 F226
- 19479 WILLIAMSON, FRED. Provide green pastures for good milk. Prog. Farmer, Miss.-Ark.-La. Ed. 59 (3): 16. Mar. 1944. 6 So81
- 19480 \*ZIEB. Zweckmässige fütterung der milchkühe im kommenden winter. Landesbauernschaft Württemb. Wchnbl. 110: 595-596. Oct. 30, 1943. 18 W96



Veterinary Medicine

19481 ALLEN, N. N. Mastitis and feeds. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 141-143.* 44.9 V593

19482 ALLEN, N. N. The Vermont program for mastitis control. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 73-76.* 44.9 V593

19483 \*BENDIXEN, H. C. Systematic combating of brucellosis, with a special view to large herds. *Skand. Vet. Tidskr. 33: 705-736.* Dec. 1943. 41.8 Skl

19484 BRADT, C. G. Facts about Bang's disease in cattle. *N. Y., Orange Co. Farm Bur. News 21(2): 5.* Feb. 1944. 275.293 N. Y., Orange Co.

19485 BREED, R. S. Mastitis infections and their relation to the milk supply. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 89-105.* 44.9 V593

19486 BUCHLI, R. I. Cesarean section to save calf, an economic measure in traumatic gastritis. *Vet. Med. 38: 486.* Dec. 1943. 41.8 M69

19487 CAMPERCHIOLI, E. E. Que se debe hacer frente a casos de carbunco sintomático o "mancha" de los terneros? *Fed. Argentina de Coop. Tamberas Lda. Rev. 1(7): 4.* Feb. 1942. 280.28 F31

19488 CARO, G. A. Tifia tonsurante de los terneros. *Campo y Arados 7(82): 9.* Dec. 1943. 9.9 C152

19489 COPITHORNE, CLARENCE. Bang's disease and calfhood vaccination as a rancher sees it. *Canad. Cattlemen 6: 160-161.* Mar. 1944. 49 C16

19490 COTE, F. T. Rape poisoning in cattle. *Canad. Jour. Compar. Med. 8: 38-41.* Feb. 1944. 41.8 C162

19491 D'APICE, MARIO. Brucelose bovina (aborto contagioso bovino). (Cont.) *Rev. dos Criadores 14 (16): 37-40.* Dec. 1943. 43.8 R32

19492 DAUGHERTY, W. E. The challenge of mastitis control. *Vet. Student 6: 133, 169-170.* Winter 1944. 41.8 V6425

19493 DURÁN, J. J. Algunas enfermedades del ganado. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 66, Ser. 2, 8 p. n. d. 102 C492  
Piroplasmosis, anaplasmosis, and brucellosis.

19494 EMMEL, M. W. The toxicity of Glottidium vesicarium (Jacq.) Harper for cattle. *Amer. Vet. Med. Assoc. Jour. 104: 222-223.* Apr. 1944. 41.8 Am3

19495 \*FERNANDES, ALBINO. Manutenção dos gados nas regiões agrícolas da Colônia de Moçambique situadas em zonas de tripanosomíases. *Moçambique, No. 29, p. 101-159.* 1942. 110 M71

Treatment with tartar emetic injections.

19496 FRAYER, J. M. Laboratory tests for mastitis and their interpretation. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 77-86.* 44.9 V593

19497 GOPALAKRISHNAN, V. R. Control of cattle diseases (and parasites) in Assam. *Indian Farming 4: 263-265.* May 1943. 22 In283

19498 GUYAUX, R. J. Le surfen C. dans le traitement de la trypanosomiase des bovidés à Trypanosoma congolense. *Bul. Agr. du Congo Belge 32: 83-88.* Mar./Dec. 1941. 24 K83

19499 HATCH, R. D. Vaginal smears in the diagnosis of vitamin A deficiency in dairy cattle. *Amer. Vet. Med. Assoc. Jour. 104: 125-216.* Apr. 1944. 41.8 Am3

19500 ILLINOIS STATE VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON BRUCELLOSIS. Report. *North Amer. Vet. 25: 215-217.* Apr. 1944. 41.8 N812

19501 KETOVER, NORMAN. The treatment of mastitis. *Middlesex Vet. 3(1): 25-26.* Fall 1943. 41.8 M583

19502 KLUSSENDORF, R. C. Bovine mastitis. *Norden News 18(2): 4-5.* Mar./Apr. 1944. 41.8 N75

19503 KLUSSENDORF, R. C. Mastitis or garget -- its treatment and control. *Guernsey Breeders' Jour. 65: 548-549, 556.* Apr. 1, 1944. 43.8 093

19504 KORD, C. E. Mastitis problems. *Jersey Bul. 63: 252, 282-283.* Mar. 5, 1944. 43.8 J48

19505 KRICHIEL, J. H. Uterine disorders following parturition. *Iowa Vet. 15(2): 7, 32-33.* Mar./Apr. 1944. 41.8 Io9

19506 LANCHAM, R. F., THORP, FRANK, JR., and HALLMAN, E. T. Adenoma of the bovine bladder. *Amer. Jour. Path. 20: 421-427.* Mar. 1944. 448.8 Am59

19507 \*LENTZ, Die bekämpfung der leberegelkrankheit. *Landesbauernschaft Bayern Wchnbl. 135: 295.* May 15, 1943. 18 B34W

19508 LITTLE, R. B. Newer aspects of mastitis control. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 106-115.* 44.9 V593

19509 LO RUSSO, RAUL. Contribución al estudio leucocitario de la sangre y leche proveniente de vacas normales. *Rev. de Med. Vet. Buenos Aires 25: 498-508.* Sept./Oct. 1943. 41.8 B86

19510 MINUT, JUAN. Temas de mesología y ecología lechera: Algunas vitaminas, la inmunidad, las enfermedades infecto-contagiosas y las estaciones. (Cont.) *Indus. Lechera 25: 639-647.* Oct. 1943. 44.8 In26

19511 MITCHELL, K. P. Lymphocytosis in a cow. *Vet. Med. 38: 493.* Dec. 1943. 41.8 M69

19512 NEWMAN, H. C. Sporadic occurrence of blackleg. *Vet. Med. 38: 489-490.* Dec. 1943. 41.8 M69

19513 NORTON, R. E. Clostridium welchii in mastitis. *Vet. Student 6: 141-142.* Winter 1944. 41.8 V6425

19514 ORTIZ BORBÓN, FERNANDO. Observaciones directas en Costa Rica sobre la anaplasmosis. *Rev. de Agr. Costa Rica 15: 449, 451-452.* Oct. 1943. 8 Eal

19515 \*POULSEN, N. P. Selvrensnigen ved den smitsomme kalvekastning. *Ugeskr. for Landmaend 88: 821.* Nov. 26, 1943. 11 Ug3

Spontaneous cure of contagious abortion in cattle.

19516 RÍSQUEZ IRIBARREN, RAFAEL, VOGELSONG, G., and GALLO, PIERO. Estado actual de la brucelosis en Venezuela. *Ofic. Sanit. Panamer. Bol. 22: 615-618.* July 1943. 150.9 B872

English summary.

In cattle and in man.

19517 ROBINSON, E. M. Two diseases of calves. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser., No. 202, 2 p.* Pretoria, 1943. 24 So82P  
Paratyphoid and pneumonia.

19518 RODRÍGUEZ A., JUAN. Proteinoterapia. Tratamiento de la tristeza o malaria bovina, fiebre de tejas o piroplasmosis o fiebre de la garrapata. *Managua, Nicaragua. Cám. Nac. de Cem. e Indus. Bol. 7(99): 8.* Oct. 1943. 287 M316

19519 \*RUBERT, BERNHARD. Ulcus pepticum beim kalbe. *Ztschr. f. Fleisch u. Milchhyg. 54: 24-25.* Nov. 1, 1943. 449.8 Z35

19520 SARTORY, AUGUSTE, SARTORY, RENÉ, and KOCHER, FRÉDÉRIC. Une dermatomycose fréquente des veaux causée par une espèce du genre Trichophyton. *Paris. Acad. des Sci. Compt. Rend. 216: 578-579.* 1943. 505 P21



- 19521 \*SCHUMANN. Zur bekämpfung des seuchenhaf-  
ten verkalbens (abortus Bang). Landesbauernschaft  
Niederschles. Wchnbl. 10: 275. May 8, 1943. 18 S13
- 19522 \*SCHUMANN, A. Das bössartige katarrhalfie-  
ber (kopfkrankheit) der rinder. Landesbauernschaft  
Niederschles. Wchnbl. 10: 539. Oct. 9, 1943. 18 S13
- 19523 \*SEMLEMANN, M. Welche vorteile ergeben  
sich aus einer erfolgreichen abortus-Bangbekämpfung  
für milchwirtschaft und molkereien? Deut. Molk.-  
u. Fettwirtsch. 1: 297-298. Oct. 29, 1943.  
44.8 D485
- 19524 \*VIRIDEN, P. Kalvypning vid bekämpandet  
av den smittsamma kastningen (The inoculation of  
calves for the combating of infectious abortion).  
Skand. Vet. Tidskr. 33: 737-745. Dec. 1943.  
41.8 Sk1  
English summary.
- 19525 WRIGHT, J. G. The clinical application of  
oestrogens and gonadotropins. Middlesex Vet. 3(1):  
15-17. Fall 1943. 41.8 M583
- 19526 ZIPKIN, ISADORE. Studies on the adminis-  
tration of sulfaguanidine to normal and scouring  
calves. Pa. State Col. Abs. Doctoral Diss. (1942) 5:  
185-192, processed. 1943. 241.8 P38
- Miscellaneous
- 19527 ABBOTT, W. S. Our cattle. Agriculture  
(Jour. Min. Agr. Gt. Brit.) 50: 535-537. Mar. 1944.  
10 G79J  
Need for improving dairy and beef cattle in Great  
Britain.
- 19528 ADAMS, J. G. Correcting cattle clubs.  
Breeder's Gaz. 109(4): 5, 23. Apr. 1944. 49 B74  
Possibilities for improvement of dairy breed associ-  
ations.
- 19529 \*AKOPIAN, K. Uskorennoe vyrashchivanie  
kurpnogo rogatogo skota na miaso [Accelerating the  
growth of large horned cattle for meat]. Sovkhoznoe  
Proizvodstvo 3(12): 33-36. Dec. 1943. 20 So85
- 19530 ASSIS, F. DE P. Gado leiteiro criação e  
exploração. VII. Produção leiteira: 1. A secreção do  
leite 2. Fatores que influem na produção leiteira.  
Rev. dos Criadores 14(16): 60-62; 15(1): 47-50. Dec.  
1943, Jan. 1944. 43.8 R32
- 19531 BALLARD, S. R. Non-stripping of machine-  
milked cows, successful at Candelo [New South Wales].  
Agr. Gaz. N. S. Wales 55(1): 31. Jan. 1, 1944.  
23 N472
- 19532 BATEMAN, G. Q. Clean yards, sheds and  
barns -- first requisites for production of clean  
milk. Farm & Home Sci. 5: 2-3. Mar. 1944.  
100 U11F  
Stresses adequate bedding and hard surfaced yards.
- 19533 BELL, R. M. Nebraska State herds improved  
through dairy herd testing. South. Planter 105(3):  
28. Mar. 1944. 6 So89
- 19534 \*BIEGERT, HANS. Bedeutung u. erhaltung  
der rindviehbestände im krieg. Landesbauernschaft  
Württemb. Wchnbl. 110: 441. July 31, 1943. 18 W96  
In Germany.
- 19535 BLACKMAN, C. L. More milk for '44.  
Ohio Farmer 193(5): 12. Mar. 4, 1944. 6 Ch3  
Program to help meet goal with present herds and  
available feed.
- 19536 BLANCHET, JEAN. Le soin des veaux  
d'élevage. Terre de Chez Nous 16(19): 7. Feb. 9,  
1944. 7 T27
- 19537 BOWLING, G. A. Defense of the registered  
dairy cow. Jersey Bul. 63: 319, 328, 330, 332,  
334. Mar. 20, 1944. 43.8 J48
- 19538 \*BREIREM, KNUD. Produksjon av vitaminrik  
melk. Stiftelse Svenska Lantbruksveckan. Handl.  
(1943) 32: 269-291. 11 Sw34  
Production of vitamin-rich milk in Norway.
- 19539 CANO, A. E. Tambo sin ternero. Campo  
[Buenos Aires] 28(325): 14. Nov. 1943. 9 C15  
Advocates weaning the calves in a few days.
- 19540 CHAUDHURI, A. C., and RATHORE, A. Ther-  
parker herd at the Patna Cattle Farm. Indian Farm-  
ing 4: 369-371. July 1943. 22 In283  
Discusses breeding, milk yield, fodder cultivation,  
and functions of this farm in India.
- 19541 CORNEJO M., MARIO, ESPE, DWIGHT, and CANNON,  
C. Y. The influence of low environmental tempera-  
tures on intramammary temperatures. Jour. Dairy  
Sci. 27: 181-188. Mar. 1944. 44.8 J822
- 19542 CUSHMAN, C. G. Post war things to con-  
sider. Jersey Bul. 63: 312-313, 342, 344-351. Mar.  
20, 1944. 43.8 J48  
The southern dairy industry from a southeastern  
viewpoint.
- 19543 DAVIS, J. G. Origenes de la ganaderia  
Argentina. Indus. Lechera 25: 651-659. Oct. 1943.  
44.8 In26
- 19544 DAY, G. E. Looking backward by J. W.  
Barnett [over his ranching experiences with Short-  
horns in Canada]. Shorthorn News 5(1): 9-13. Mar.  
1944. 43.8 Sh85
- 19545 \*DIETRICH. Aufgaben der ostdeutschen  
rinderzucht. Deut. Landw. Tiersucht 47: 181-182.  
Sept. 11, 1943. 49 D48  
Dairy cattle investigations.
- 19546 DIXON, P. T. Water and disease, the exist-  
ence and well-being of our dairy cattle depend on  
liberal supplies of clean water. Farmers Weekly  
[London] 20(11): 31. Mar. 17, 1944. 10 F2226
- 19547 DOMINGUES, OCTAVIO. A nova campeã lei-  
teira absoluta. Chacaras e Quintais 68: 603-604.  
Nov. 15, 1943. 9.2 C34  
Milk records of Carnation Ormsby Madcap Fayne,  
Holstein-Friesian cow, Carnation Milk Farms, Seattle,  
Wash.
- 19548 \*DUDIN, S. O vosstanovlenii i dal'-  
neishem razvitii miasnogo skotovodstva [Concerning  
the restoration and further development of cattle  
for meat]. Sovkhoznoe Proizvodstvo 3(12): 9-13.  
Dec. 1943. 20 So85
- 19549 EUDALY, E. R., and THOMPSON, O. W. More  
milk for 1944. Farm and Ranch 63(3): 24. Mar. 1944.  
6 F31  
Eight-point dairy program.
- 19550 \*FREYSCHMIDT. Etwas über das euter der  
milchkuh. Deut. Landw. Tiersucht 47: 201. Oct. 9,  
1943. 49 D48
- 19551 \*GALIARDO, J. A. Una solución parcial al  
problema de la tracción en el campo. Surco [Madrid]  
11(15): 7. Mar. 1943. 15 Su7  
Use of cattle as draft animals.
- 19552 GONZALEZ VERGARA, ANDRÉS. La ganadería  
y sus derivados: leche y carne, observaciones com-  
parativas; notas de un viaje a Argentina. Union  
Agr. del Sur 1(8): 49-50. Nov. 1943. 9.3 Un3
- 19553 GOURLAY, R. A. Galloway cattle in 1943.  
Scott. Farmer (Spec. Album No.) 52: 110-111. Jan. 1,  
1944. 10 Sco8  
Discusses mainly the sales in Great Britain.
- 19554 GREEN, G. W. Bar 14's story and the story  
behind it. S. L. Savidge's wellknown Washington  
Hereford establishment. Amer. Hereford Jour. 34(22):  
28-30. Mar. 15, 1944. 43.8 Am32
- 19555 GREEN, G. W. [Oscar] Smith and [Billy]  
Freeman set sights on quality; Washington Hereford  
firm aims to get results by building on the right  
sort of a foundation... Amer. Hereford Jour. 34  
(23): 10-11, 51. Apr. 1, 1944. 43.8 Am32
- 19556 GRIFFITHS, R. S. No regrets on his turn  
to Herefords... T. G. Heanard has built 200-head cow  
herd on his fine South Dakota ranch. Amer. Here-  
ford Jour. 34(23): 22-23. Apr. 1, 1944. 43.8 Am32



19557 HACKNEY, MRS. H. H. Fitting for show and sale. Aberdeen-Angus Jour. 25(8): 38, 40-42, 46. Mar. 1944. 43.8 Ab3

19558 \*HORN, MAX. Ergebnisse der milchleistungsprüfungen 1942. Landesbauernschaft Württemb. Wchnbl. 110: 584. Oct. 23, 1943. 18 W96  
Milk records from Ravensburg, Germany.

19559 \*FURMALIAT, A. Kak priināt, novorozhdenogo telēnka [How to care for the newborn calf at birth]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 20-21. Feb./Mar. 1943. 281.8 K83

19560 \*FURMALIAT, A. Podgotovka korov k otēlu [Prenatal care of cows]. Kolkhoznoe Proizvodstvo, No. 1, p. 23-24, Jan. 1943. 281.8 K83

19561 KING, F. M. J. J. Ballard [cattleman; one of the West's builders. West. Livestock Jour. 22(24): 61-62. Mar. 15, 1944. 6 F2278

19562 \*KLIESCH, J. Stallbau und haltung. Forschungsdienst, Sonderheft 16, p. 577-587. Berlin, 1942. Ref., p. 586-587. 18 F772

19563 \*KREUTZBERG. Hat der abmelkstell heute noch daseinberechtigung? Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 494. Sept. 18, 1943. 18 Sa9

Disapproval of method of selling dairy cows for slaughter when milk yield is reduced, and purchasing others, instead of breeding them.

19564 LADD, J. E. Faster milking found efficient. Better Rural Life 5(3): 2. Mar. 1944. 275.29 R34B

19565 \*LAMPRECHT. Merzt leistungsschwache tiere aus. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 242. Apr. 24, 1943. 18 Sa9  
Culling beef and dairy cattle.

19566 LARSON, E. O. Results in students' division of all-time all-American [dairy cattle judging] contest. Holstein-Friesian World 41: 364-365. Mar. 18, 1944. 43.8 H742

19567 \*LENTZ. Regelmässige körperpflege steigert die milchleistung der kühe. Landesbauernschaft Niederschles. Wchnbl. 10: 609. Nov. 20, 1943. 18 S13

19568 LINTZEL, W. Como se forman los principales componentes de la leche; función que desempeña la sangre en el organismo de los animales productores. Chihuahua Ganad. 4(38): 22-25. Feb. 1, 1943. 43.8 C43

19569 MCALLISTER, G. B. Texans like their sales of Milking Shorthorn cattle. Milking Shorthorn Jour. 25(3): 17. Mar. 1944. 43.8 M59

19570 MCDOUGALL, A. P. What of our herds? Estate Mag. 44: 66-69. Mar. 1944. 10 Es8

On a policy of increasing cattle production in Great Britain and its possibilities.

19571 MCINTYRE, C. W. Influence of [dairy] cow families in herd; analytical study of three in Hatch Experiment Station herd which you might employ in study of your own cows. Jersey Bul. 63: 256-257. Mar. 5, 1944. 43.8 J48

19572 METZ, W. G. Better beef this Wyoming area's goal; Hereford breeders...head up a progressive livestock program. Amer. Hereford Jour. 34 (23): 28, 88-89. Apr. 1, 1944. 43.8 Am32

19573 PARÍSIO, PAULO. "Fazenda Sao Carlos." Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol. 10(2): 5-7. June 1943. 9.2 P423

Describes a visit to a Texas ranch with special mention of Zebu cattle.

19574 PERRY, E. J. Records attack [dairy] cattle, inefficiency. Guernsey Breeders' Jour. 65: 545, 555. Apr. 1, 1944. 43.8 G93

19575 \*PHILIPP, OSKAR. Höhere milchleistung. Landesbauernschaft Niederschles. Wchnbl. 10: 491. Sept. 11, 1943. 18 S13

19576 PROULX, J. R. La vache laitière avant et après la mise-bas. Bul. des Agr. 40(3): 25-26. Mar. 1944. 7 B872

19577 RECORDS, R. H. Range riding and ranching in southern Kansas, 1879-1881. Part I. Cattleman 30(10): 40, 42-46. Mar. 1944. 49 C29

19578 ROBINSON, C. W. Advanced Register; testing of Guernseys in California. West. Livestock Jour. 22(24): 98-99. Mar. 15, 1944. 6 F2278

19579 RODGERS, B. W. Dairying as a sideline in Australia. So. Austral. Dept. Agr. Jour. 47: 270. Jan. 1944. 23 So84

19580 RODRIGUEZ ROSAS, VICTOR. Mejora de las lecherías. Vida Rural 5(53): 31-32. Dec. 1943. 9.4 V66

Care and management of dairy calves.

19581 \*ROSANOV, N. S. Zagotovka i ispol'zovanie torfianoi podstilki [Preparation and utilization of peat litter]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosovety Kolkhoz. No. 99/100, 16 p. folder. Moskvo, 1943. 20 Ag88

Bedding for cattle.

19582 ROY, J. B. Vingt ans de progrès, la formation d'un bon troupeau laitier est à l'origine des améliorations qui ont conduit la ferme Frappier au succès. Bul. des Agr. 40(3): 14, 21. Mar. 1944. 7 B872

A farm in Canada stocked with Ayrshire cattle.

19583 \*SEMENOVYKH, F. Korovy na sel'khozrabotakh [Cows in farm work]. Kolkhoznoe Proizvodstvo, No. 1, p. 25. Jan. 1943. 281.8 K83

Strong dairy cows giving little milk trained to work as draft animals.

19584 \*SHAUMIAN, V., and SHTEIMAN, S. Eholodnyi metod vyrashchivaniia teliat [Cold method of raising calves]. Sovkhoznoe Proizvodstvo 3(12): 20-25. Dec. 1943. 20 So85

Discusses the raising of calves in unheated quarters on the state farm "Karaevo" in the U. S. S. R.

19585 SHEPARDSON, C. N. More milk from fewer cows the better route. Prog. Farmer, Tex. Ed. 59 (4): 27. Apr. 1944. 6 T311

19586 SHULTZ, E. N. Selecting a broad [dairy] cow. Guernsey Breeders' Jour. 65: 458-459, 469. Mar. 15, 1944. 43.8 G93

19587 SIMPSON, H. T. How to keep more [dairy] cows; the bail is the answer—saves labour and helps the land. Dairy Farmer [London] 17(3): 5, 23. Mar. 1944. 44.8 D1414

19588 SMITH, ARTHUR. Improving influences; of the sixteen factors which influence the butterfat content of milk, the farmer has some sort of control over at least ten. Farmers Weekly [London] 20(10): 27, 28 Mar. 10, 1944. 10 F2226

19589 SPIELMAN, A. A., and HILL, O. J. Three ways to put a persistent cow dry. Wash. Farmer 69: 145. Mar. 16, 1944. 6 R151

19590 STEWART, W. A. Cropping and feeding for winter milk. Agriculture (Jour. Min. Agr. Ct. Brit.) 50: 540-543. Mar. 1944. 10 G79J

19591 \*STORSTAD, SEVERIN, STORHEIL, BJØRN, and AAS, NILS. Kontrollforeningenes framtidsige ordning. Norsk Landbruk 9: 338-339. Dec. 10, 1943. 11 N8122

The future of the dairy herd improvement associations in Norway.

19592 SUTHERLAND, ALEX. Aberdeen-Angus cattle in 1943. Scot. Farmer (Spec. Album No.) 52: 61-64. Jan. 1, 1944. 10 Sco8

Mainly about sales in several countries.

19593 SUTHERLAND, ALEX. Dairy cattle in Scotland in 1943. Scot. Farmer (Spec. Album No.) 52: 121-127. Jan. 1, 1944. 10 Sco8

Discusses mainly shows and sales.



- 19594 SUTHERLAND, ALEX. Shorthorn cattle in 1943. Scot. Farmer (Spec. Album No.) 52: 57-60. Jan. 1, 1944. 10 Sco8  
Mainly about sales in several countries.
- 19595 WAFFAR, PAUL. Display only attractive samples. Shorthorn World 28(23): 5, 13. Feb. 25, 1944. 43.8 Sh8  
Advice on advertising cattle and on use of illustrations.
- 19596 TAYLOR, JED. Dairying on irrigated farms. U and I Cult. 4(1): 25. Mar. 1944. 66.8 U12
- 19597 TUMMON, C. R. Herd testing and culling. Queensland Agr. Jour. 58: 41-42. Jan. 1944. 23 Q33  
Stresses need for records and testing.
- 19598 VEIGA, J. S. A vaca leiteira; principais pontos considerados no seu julgamento pelo exterior. Rev. Rural Bras. 23(277): 42-45. Sept. 1943. 9.2 B733
- 19599 VERNEY, L. Good and bad practice in milking. Queensland Agr. Jour. 58: 39-40. Jan. 1944. 23 Q33
- 19600 VERNEY, L. Reasons for keeping milk records. Queensland Agr. Jour. 58: 41. Jan. 1944. 23 Q33
- 19601 \*VOPELIUS. Der herdbuchzüchter in der milchzucht. Landesbauernschaft Württemberg. Wchnbl. 110: 296. May 8, 1943. 18 W96
- 19602 WATSON, CHALMERS. Mastitis and milking methods; records of six cows. Farming News 96(9): 16. Feb. 25, 1944. 10 N82
- 19603 WATSON, J. A. S. Dairy cattle in Cumberland County, Pennsylvania. Agriculture (Jour. Min. Agr. St. Brit.) 50: 533-535. Mar. 1944. 10 G79J
- 19604 WIBLE, EUGENE. Ten thousand proved dairy sires. Board's Dairyman 89: 170. Mar. 25, 1944. 44.8 B55

## DOGS AND CATS

Breeds and Breeding

- 19605 AGUIAR, J. P. DE. O cão de caça português. Fauna [São Paulo] 1(8): 34-35. Aug. 1942. 410 F272
- 19606 THE BREEDS in brief, No. 25: Toy Manchester terrier. Amer. Kennel Gaz. 61(4): 29-30, 137-138. Apr. 1944. 48.8 Am3
- 19607 CAMPANARIO, MANOEL. Como trabalha no campo um puro sangue "Pointer." Fauna [São Paulo] 1(7): 24. July 1942. 410 F272
- 19608 LONGSDORF, H. E. Giving a dog [Lawless Boy, a Pointer] his due. Amer. Field 141: 294. Mar. 25, 1944. 410 Am3
- 19609 \*LÜDERS. Der bodenständige herdengebrauchshund. Deut. Landw. Tierzucht 47: 213-214. Nov. 6, 1943. 49 D48
- 19610 MONTEVERDE, E. A. Um pouco de história do Setter. Fauna [São Paulo] 2(1): 26-28. Jan. 1943. 410 F272
- 19611 SANTOS, E. O Greyhound - galgo inglês de pelo duro. Fauna [São Paulo] 1(12): 22-23. Dec. 1942. 410 F272
- 19612 SANTOS, EURICO. Algo sobre os gatos domésticos. Fauna [São Paulo] 1(7): 14-16. July 1942. 410 F272  
Discusses breeds of cats.
- 19613 SMITH, A. C. Dogs for companions. Field 183: 232. Feb. 26, 1944. 10 F45  
Several breeds are discussed.

Feeds and Feeding

- 19614 DISSELHORST, LOUISE. Feeding puppy for the duration. All-Pets Mag. 15(10): 22. Mar. 1944. 48.8 A15

- 19615 MICHAUD, L., and ELVEHJEM, C. A. The nutritional requirements of the dog. Nutr. Abs. and Rev. 13: 323-331. Jan. 1944. Ref., p. 330-331. 389.8 N95

- 19616 SMITH, A. C. Dangerous dog meat. Field 183: 52. Jan. 8, 1944. 10 F45  
Meat (including horsemeat) good food for dogs only if fresh and sound.

Veterinary Medicine

- 19617 BARRETT, C. D. The veterinarian and the army sentry dog. North Amer. Vet. 25: 226-232. Apr. 1944. 41.8 N812
- 19618 CAMPERCHIOLI, E. E. Enfermedades de los animales transmisibles al hombre. La vida del perro en contacto con la del hombre. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(9): 17; (10): 6-7; (11): 15-16; (12): 12-13; 2(13): 13-14; (14): 13-14. Apr.-Sept. 1942. 280.28 F81  
Diseases and parasites of dogs transmissible to man.
- 19619 ESTLER, L. E. The treatment of dry eczema in dogs. Vet. Med. 38: 494. Dec. 1943. 41.8 M69
- 19620 FARIA, ASCANIO, and BRAGA, AMÉRICO. Neurohisto-patologia da cinomose. Caça e Pesca 3(26): 36. July 1943. 410 C11
- 19621 GOOCH, J. M. Prenatal ascarid infection in a dog. Vet. Student 6: 140-141. Winter 1944. 41.8 V6425
- 19622 GREENE, J. E. Canine distemper. Vet. Med. 38: 466-469. Dec. 1943. 41.8 M69
- 19623 GREINER, N. L. Panleucopenia [in cats]. Our Dumb Anim. 77: 57. Mar. 1944. 48.8 Ou7  
Signed N. L. G.
- 19624 HOLLER, O. H. Inguinal hernia in a bitch. Vet. Med. 38: 492. Dec. 1943. 41.8 M69
- 19625 KOUTZ, F. R. Recent observations on parasites in small animals. Amer. Vet. Med. Assoc. Jour. 104: 199-203. Apr. 1944. 41.8 Am3  
Dogs and cats.
- 19626 LÖNS, A. Die behandlung unserer erdhunde nach der jagd. Deut. Jagd, No. 47/48, p. 451-452. Feb. 28, 1941. 410 D48  
Treatment of wounds received in hunting.
- 19627 MONTEIRO, MOACYR. Rachaduras - "frieiras" - inflamação - pouca resistencia e outras doenças dos pés dos cães caçadores - como preveni-las e cura-las. Fauna [São Paulo] 1(10): 14. Oct. 1942. 410 F272
- 19628 PETERSEN, O. A higiene da boca e dentes dos cães. Fauna [São Paulo] 1(10): 25. Oct. 1942. 410 F272
- 19629 RATHSAM, E. W. Mambiubá ou piroplasmose canina. Caça e Pesca 2(19): 37. Dec. 1942. 410 C11
- 19630 RATHSAM, E. W. A auto-intoxicação nos cães. Caça e Pesca 2(17): 37. Oct. 1942. 410 C11  
Due to overfeeding and lack of exercise.
- 19631 \*TSCHERMAK-SEYSENEGG, ARMIN VON. Der hund als erfindungsobjekt des augenspiegelns vor vier menschaltern durch Joh. Ev. Purkinje in Prag-Breslau, 1825. Berlin. u. München. Tierärztl. Wchnschr., No. 25/26, p. 201-205. June 25, 1945. 41.8 B45
- 19632 WEISZ, LEO. The treatment of retention cysts in dogs [by operation]. Middlesex Vet. 3(1): 6-7. Fall 1943. 41.8 M583

Miscellaneous

- 19633 CARVALHO, ALBERTO DE. O amestramento dos cães. Caça e Pesca 3(25): 40-42, 46-47. June 1945. 410 C11  
Training of hunting dogs.



19634 CLARKSON, F. H. The future of field trials for bird dogs. Amer. Field 141: 300. Mar. 25, 1944. 410 Am3

19635 DANBY, D. C. E. A war dogs' training school. (To be cont.) Roy. Army Vet. Corps Jour. 15: 42-44. Feb. 1944. 41.8 G79

19636 ENGELS, Y. O que me disse meu cão. Fauna [São Paulo] 1(7): 30. July 1942. 410 F272

19637 FARIA, RAUL DE. Ensino dos cães de caça. VI-VIII. Fauna [São Paulo] 1(6): 8; (7): 2; (8): 11. June-Aug. 1942. 410 F272

19638 WALKER, H. J. Pigeon dogs. Amer. Field 141: 301. Mar. 25, 1944. 410 Am3  
Using pigeons to train dogs.

#### HORSES AND MULES

##### Breeds and Breeding

19639 \*ASCHENBACH. Körung der junghengste in Sachsen-Anhalt. Deut. Landw. Tierzucht 47: 214. Nov. 6, 1943. 49 p48

19640 BRANT, H. J. Good purebred Belgian horse, drafters increase. Breeder's Gaz. 109(4): 16. Apr. 1944. 49 B74

19641 \*CLASHEN, W. G. Pferdezücht-lehrgang im landgestüt Fürstenstein. Landesbauernschaft Niederschles. Wchnbl. 10: 563-564. Oct. 23, 1943. 18 S13

19642 \*COELHO, F. F., and RIBEIRO, J. M. Nota sobre selecção funcional dos reprodutores equinos. Portugal. Min. da Econ. Dir. Geral dos Serv. Pecuários Bol. Pecuário (Bul. Vet.) 11(1): 107-133. 1943. 41.8 P83

French summary.

Testing fatigue resistance in horses by observation and by blood analysis.

19643 DIMOCK, W. W. Artificial insemination and its problems. This method of reproduction not yet as successful with horses as with cattle and sheep. Thoroughbred Rec. 139: 293. Mar. 18, 1944. 42.8 T39

19644 ECKFORD, A. H. Queenstown, a ranch horse. Field 183: 227. Feb. 26, 1944. 10 F45

19645 \*KERN. Staats- und stammbuchprämienvergebung durch das Rheinische Pferdestammbuch e.V. Deut. Landw. Tierzucht 47: 218. Nov. 6, 1943. 49 D48

19646 \*KUMMER. Winke für pferdezüchter zur erfolgreichen stutenbedeckung. Landesbauernschaft Niederschles. Wchnbl. 10: 299-300. May 22, 1943. 18 S13

19647 MARRERO, ALMANZOR. Cromohipologia del overo y del tobiano. Soc. Rural Argentina. An. 77: 867-868. Nov. 1943. 9 Sol

Discusses the evolution of horses through adaptation, and heredity as shown by their coat color.

19648 \*MISHAREV, A. O porodnom napravlenii konevodstva v Kazakhstane [Concerning the breeding of horses in Kazakhstan]. Sovkhoznoe Proizvodstvo 3(12): 31-33. Dec. 1943. 20 So85

19649 PARK, ROBERT. Some Clydesdale reminiscences; notable sires of former times in Great Britain. Scot. Farmer (Spec. Album No.) 52: 106-107. Jan. 1, 1944. 10 Sco8

19650 STEELE, D. G. A genetic analysis of recent American Saddle Horses. Amer. Horseman 12 (3): 22-23. Mar. 1944. 42.8 Am35

##### Feeds and Feeding

19651 BRUNO VIDELA, P. H. La alimentación en los caballos de trabajo. Campo [Buenos Aires] 28 (326): 47, 68. Dec. 1943. 9 C15

19652 GENTLES, MAURITA. Watch those feed needs of the mare. West. Livestock Jour. 22(24): 118, 127. Mar. 15, 1944. 6 F2278

19653 \*PEARSON, P. B., SHEYBANI, M. K., and SCHMIDT, H. Riboflavin in the nutrition of the horse. Arch. Biochem. 3: 467-474. Feb. 1944. 381 Ar2

19654 POWELL, E. B. Proper feeding of brood mares to insure healthy colts. Natl. Horseman 80(3): 10. Mar. 1944. 42.8 N21

##### Veterinary Medicine

19655 \*BORISOVICH, F. Koliki u loshadei [Colic in horses]. U. S. S. R. Narod. Komis. Zeml. Agro-tekhsovety Kolkhoz., No. 105, 8 p. folder. Moskva, 1943. 20 Ag88

19656 CAMPERCHIOLI, E. E. Encefalomiелitis o meningitis cerebro espinal de los equinos. (Locuras de los caballos.) Fed. Argentina de Coop. Tamberas Lda. Rev. 2(21): 12. Apr. 1943. 280.28 F31

19657 CASOS, G. A. Estomatitis vesiculosa y estomatitis pustulosa de los equinos (falsas aftosas). Fed. Argentina de Coop. Tamberas Lda. Rev. 3(25): 17-18. Aug. 1943. 280.28 F31

19658 CIUDAD JUÁREZ, MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Determinación de la edad del caballo por el examen de sus dientes. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 57, Ser. 2, 8 p. n. d. 102 C492

19659 DEVALOIS, D. G. Costal fistula. Vet. Student 6: 138. Winter 1944. 41.8 V6425

Result of a kick.

19660 \*GERMAN, V. Perelivanie krovi u loshadei [Blood transfusion in horses]. Sovkhoznoe Proizvodstvo 3(12): 44-45. Dec. 1943. 20 So85

19661 \*GOLUBEV, N. D., and MONAKHOV, V. F. Opyty primeneniya daviashchego massazha zhivota pri kolikakh u loshadei [Experiments in treating colic by massage of the horse's abdomen]. Veterinariia 19(8/9): 26-27. Aug./Sept. 1942. 41.8 V6426

19662 \*JOHANNSEN, A. Förgiftning hos häst i anslutning till lavemang med ättiksyralösning (Poisoning of horse in connection with lavage with a solution of acetic acid). Skand. Vet. Tidkr. 33: 659-677. Nov. 1943. 41.3 Sk1

German and English summaries.

19663 \*KOSTIN, —, MARKOV, —, and SIDOROV. Vliianie kombikorma na motoriku i khimizm pishchevareniia loshadei [The influence of a balanced ration on peristalsis and chemical digestion in the horse]. Veterinariia 19(8/9): 38. Aug./Sept. 1942. 41.8 V6426

19664 MCCLURKIN, ARLAN. Puncture wound in the thigh of a horse. Vet. Med. 38: 492-493. Dec. 1943. 41.8 M69

19665 MERRILLAT, L. A. Azoturia: suggestive pathology. Amer. Vet. Med. Assoc. Jour. 104: 223-224. Apr. 1944. 41.8 Am3

19666 MERRILLAT, L. A. Thrombosis of the iliac arteries in horses. Amer. Vet. Med. Assoc. Jour. 104: 218-220. Apr. 1944. 41.8 Am3

19667 MORGAN, REMBRANDT. Lymphangitis (?) in a mare. Vet. Med. 38: 488. Dec. 1943. 41.8 M69

19668 PAZ BENDAYAN, JAIME. Fractura de la primera falange de un caballo. Rev. de Med. Vet. [Buenos Aires] 25: 488-494. Sept./Oct. 1943. 41.8 B86

19669 \*PETERSEN, W. W. Influenza hos hesten. Ugeskr. for Landmaend 88: 725-726. Oct. 15, 1943. 11 Ug3

19670 \*POPOV, S. N. Operativnoe lechenie gnoynykh protsessov kholki loshadei [Surgical treatment of fistulous withers in the horse]. Veterinariia 19 (8/9): 19-20. Aug./Sept. 1942. 41.8 V6426

19671 REINHART, V. M. A case of multiple foreign bodies extracted from wound in a horse. Vet. Student 6: 140. Winter 1944. 41.8 V6425



19672 RIVAS LARRALDE, GUSTAVO. Encefalomiелitis equina. Agr. Venezolano 8(89/90): 4-9. Sept./Oct. 1943. 9.95 Ag8

19673 \*RODIONOV, I. M. K izucheniyu infektsionnogo kataru verkhnikh dykhatel'nykh putei loшadi [A study of contagious catarrh of the upper respiratory tract in horses]. Veterinariya 19(8/9): 35-36. Aug./Sept. 1942. 41.8 V6426  
Probably influenza.

19674 SAGUES, R. L. Las llagas de verano. Campo y Arados 7(82): 8, 30. Dec. 1943. 9.9 C152  
Habronemiasis transmitted by flies.

19675 \*TVERETSKIY, A. V. K differentsial'noy diagnostike pervichnogo i vtorichnogo rasshireniya zheludka u loшadei [On the differential diagnosis of primary and secondary bloat of the stomach in horses]. Veterinariya 19(8/9): 28. Aug./Sept. 1942. 41.8 V6426

19676 VACURA, G. W. Cutaneous hemorrhage in a mule. Vet. Med. 38: 487. Dec. 1943. 41.8 M69

19677 WESTERFELDT, M. H. Severed tendons in equine. Vet. Student 6: 142, 158-159. Winter 1944. 41.8 V6425

#### Miscellaneous

19678 \*ANDRADE, RUY D'. Breve notícia da equitação de alta-escola. Portugal. Min. da Econ. Dir. Geral dos Serv. Pecuários. Bol. Pecuário (Bul. Vet.) 11(1): 5-106. 1943. Ref., p. 65-82. 41.8 P83  
French summary.

History of "high schools" for training cavalry horses in various European countries.

19679 CHIEFFI, ARMANDO. O Brasil precisa de bons equídeos. Rev. dos Criadores 14(16): 50-53. Dec. 1943. 43.8 R32

Mainly a history of the horse, with a short statement of the number of asses, horses, and mules in Brazil, as compared to other countries.

19680 FORTIN, G. E. Parlons de chevaux. Terre de Chez Nous 16(20): 10, 20. Feb. 16, 1944. 7 T27

19681 FRAUSTRO, RUBEN. Inutilización de los caballos por un esfuerzo excesivo. Union Agr. del Sur 1(8): 51-52. Nov. 1943. 9.3 Un3

19682 GRAKE, ROBERT. Mule pack trains in Italy. Cavalry Jour. 53(2): 74-75. Mar./Apr. 1944. 42.9 Un3

19683 MELLES, L. H., and BOLL, L. F. The White Horse Patrol. Vet. Student 6: 134-135. Winter 1944. 41.8 V6425

Organized as a hobby by business men of Sioux City, Iowa.

19684 SAN MARTIN, ARMANDO. El pelo y los pelajes en los caballos. Campo [Buenos Aires], 28 (326): 40-41, 67. Dec. 1943. 9 C15

Coloration, texture, and distinctive variations, with explanation of terms.

19685 SANDERSON, C. J. How to prevent sore shoulders in horses. Land [Sydney], No. 1674, p. 8. Jan. 7, 1944. 23 L22

19686 SUTHERLAND, ALEX. Clydesdale horses in 1943. Scot. Farmer (Spec. Album No.) 52: 49-54. Jan. 1, 1944. 10 Sco8

Discusses mainly sales in Scotland.

#### POULTRY

##### Breeds and Breeding

19687 AUERSWALD, W. F. Breeding Barred Plymouth Rocks. Poultry Press 30(10): 3. Mar. 23, 1944. 47.8 P8643

19688 \*BARTSCH, OTTO. Die systematik der haushuhnrasen. Arch. f. Kleintierzucht 3: 141-148. May/June 1942. 49 Ar2

19689 BELAIRE, P. A. Dominant, recessive traits in Bantams. All-Pets Mag. 15(10): 59, 60. Mar. 1944. 48.8 A15

19690 BENSON, E. F. Comments on Light Brahma Bantams. Cackle and Crow 26(5): 3. Mar. 15, 1944. 47.8 C11

19691 COLLE, L. J., and OWEN, R. D. Naked pigeons. Jour. Hered. 35: 3-7. Jan. 1944. 442.8 Am3  
Lack of feathers due to a recessive gene.

19692 DEROOY, J. J. Preface of the knowledge of the Homing pigeon; study and investigation of the bird itself and its line. Amer. Racing Pigeon News 60(2): 1-2. Feb. 1944. 47.8 H75

19693 DIETRICH, I. W. The racing Homer. Pigeon News 50(877): 12. Apr. 1944. 47.8 P621

19694 DURAND, GASTON. Cría de patos. Rev. de Agr. y Com. [Panama] 3(28): 61-64. Dec. 1943. 8 R3291

19695 FISHER, W. Minorca Bantams are in demand. Poultry [London], 94: 106. Feb. 15, 1944. 47.8 P869

19696 GODFREY, A. B. A hatchery program for developing fast-feathering strains. Hatchery Tribune 18(4): 50-51. Apr. 1944. 47.8 H28

A genetic recessive sex-linked factor.

19697 GRAHAM, L. P. Vanishing varieties of poultry, 11. The Dorking. (Cont.) Cackle and Crow 26(5): 6. Mar. 15, 1944. 47.8 C11

19698 HEALE, WALTER. Should we breed from birds under five years old? Poultry Farmer [London], 110 (2855): 3. Mar. 10, 1944. 47.8 P312

19699 HUTT, F. B., MUELLER, C. D., and WARREN, D. C. Inheritance of ragged wing in the fowl. Jour. Hered. 35: 27-32. Jan. 1944. 442.8 Am3

19700 MCCLASKEY, G. D. Improved farm poultry... a breeding and selecting program which recognizes a "balance" of all factors. U. S. Egg & Poultry Mag. 50: 174-176. Apr. 1944. 286.85 Eg3

19701 MCKEEBET, M. C. Breeding mammoth Toulouse geese. All-Pets Mag. 15(10): 61, 62. Mar. 1944. 48.8 A15

19702 MCNEILL, F. L. Genetic breeding; will R. O. P. eventually mean something more than record of performance? Canad. Poultryman 31(3): 9. Mar. 1944. 47.8 C166

19703 MARBLE, D. R., HARPER, J. A., and HAMMERS, E. V. Inheritance in the domestic fowl of a lethal condition affecting both mandibles. Poultry Sci. 23: 114-117. Mar. 1944. 47.8 Am33P

19704 MORAIS, J. DE M. Marrecos da America do Norte e marrecos do Brasil. Chacaras e Quintais 68: 555-559. Nov. 15, 1943. 9.2 C34

19705 NEWMAN, TOM. The rise of the Sussex fowl in the poultry world. Mod. Poultry Keeping 50: 190-191. Mar. 15, 1944. 47.8 Eg3

19706 OTT, W. H. Investigations on the pantothenic acid requirement for reproduction in the White Leghorn fowl. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 70-74, processed. 1943. 241.8 P38

19707 PEDERICK, W. O. The Werribee [State Research Farm, Victoria] poultry studs, some of the breeding methods used. Victoria. Dept. Agr. Jour. 42: 59-63. Feb. 1944. 23 V66J

19708 REARDON, H. A. The changing poultry picture. Pt. IV. [White Leghorn]. Northeast. Poultryman 38(3): 32-33. Mar. 15, 1944. 47.8 N44  
The industry during the past forty-five years.

19709 SAMPAIO, O. V. Frangos para vender e galinhas para admirar. Chacaras e Quintais 68: 584-588. Nov. 15, 1943. 9.2 C34  
In Brazil.

19710 SCHULZ, W. F. Orientals. (To be cont.) All-Pets Mag. 15(9): 52, 55; (10): 67-68. Feb., Mar. 1944. 48.8 A15



19711 SEQUEIRA, OSWALDO DE. O objetivo da criação do pombo-correio. Fauna (São Paulo), 1(9): 4-5; (10): 11-12; (11): 10-11. Sept.-Nov. 1942. 410 F272

19712 SEQUEIRA, OSWALDO DE. A orientação dos pombos. (Concl.) Fauna (São Paulo), 1(6): 3-4; (7): 4-5; (8): 42-44. June-Aug. 1942. 410 F272

19713 SNEELGROVE, ARTHUR. Black Orpington enthusiasts. Poultry (London), 94: 116. Feb. 22, 1944. 47.8 P869

19714 TURNILL, LEONARD. More about pedigree breeding. Poultry Farmer (London), 110(2853): 3; (2854): 3. Feb. 25, Mar. 3, 1944. 47.8 F312  
Practical principles; You don't save with big food storage.

19715 WILLIAMS, C. S. Selecting breeding cockerels. Md. Poultry Yearbook 1944: 25. 47.9 M36

19716 WILSON, R. S. The flying Tippler. All-Pets Mag. 15(10): 64. Mar. 1944. 48.8 A15

#### Feeds and Feeding

19717 ALEXANDER, A. K. S. Stimulating grazing of poultry, without grass. Farmer & Stock-Breeder 58: 353. Feb. 29, 1944. 10 F228

Feed mash so as to stimulate desire for grass.

19718 ALMQUIST, H. J. Composition of fresh greens for poultry. Eggsaminer 20(7): 7. Mar. 1944. 286.85 Eg32

19719 BAKER, W. S. Practical wartime poultry rations. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 156-159. 44.9 V593

19720 BANKS, E. Real champions have splendid digestions. Amer. Racing Pigeon News 60(3): 1-2. Mar. 1944. 47.8 H75

Advice in feeding pigeons.

19721 BARCO, C. F. Parques avícola. Campo (Buenos Aires), 28(325): 26-27. Nov. 1943. 9 C15

19722 BETHKE, R. M. Adjustments in our feed program. N. H. Breeder 7(1): 9, 36-37. Mar./May 1944. 47.8 M45

19723 BIRTWISTLE, VICTOR. A good silage mixture for poultry; grass cuttings and potatoes. Mod. Poultry Keeping 50: 154-155. Mar. 1, 1944. 47.8 Eg3

19724 \*BOELUM, J. Forsøg med kunstigt fremstillet D-vitamin. Ugeskr. for Landmaend 88: 751-754. Oct. 29, 1943. 11 Ug3

Synthetic vitamin D as substitute for fish liver oil in poultry feeding.

19725 BRIGGS, G. M., and others. Effect of ascorbic acid on chick growth when added to purified rations. Soc. Expt. Biol. and Med. Proc. 55: 130-134. Feb. 1944. 442.9 Sol

T. D. Luckey, C. A. Elvehjem, and E. B. Hart, joint authors.

19726 BROOMHEAD, W. W. Grit and shell-formers. Poultry (London), 94: 120. Feb. 22, 1944. 47.8 P869  
Feeding minerals.

19727 BROOMHEAD, W. W. How to deal with crop trouble. Poultry (London), 94: 104. Feb. 15, 1944. 47.8 P869

Discussed as a feeding problem.

19728 BURROUGHS, E. W. Substitutions of protein in poultry rations. Grain & Feed Jours. Consolidated 92: 205. Mar. 8, 1944. 298.8 G762

19729 BUTTNER, E. E. Pigeons with toes curled inwards due to riboflavin deficiency. So. African Poultry, Pigeon and Bird Mag. 50(384): 17. Jan. 1944. 47.8 So83

19730 CLARK, T. B., RUNNELS, T. D., and VAN LANDINGHAM, A. E. Alfalfa meals in poultry. Flour & Feed 44(10): 24. Mar. 1944. 298.8 F66

19731 COMMON, R. H. Observations on the mineral metabolism of pullets. VII. The calcium requirement of the laying bird. Jour. Agr. Sci. (England), 33: 213-220. Oct. 1943. 10 J822

19732 DAM, HENRIK. Studies on vitamin E deficiency in chicks. Jour. Nutr. 27: 193-211. Feb. 10, 1944. 389 J82

19733 FIRE, DEPT. OF AGRICULTURE. Home produced foods for poultry feeding. Fire. Dept. Agr. Spec. Bul. No. 5, 6 p. Dublin, 1941. 10.5 I-428

19734 EVANS, R. J., and others. The stability of vitamin D in fortified fish oils tested by Assoc. Official Agricultural Chemists chick assay method. Poultry Sci. 23: 91-93. Mar. 1944. 47.8 Am33P  
Morris Rhian, J. S. Carver, W. S. Hamm, and R. W. Harrison, joint authors.

19735 \*FANGAUF, R. Geflügelzucht und -fütterung. Forschungsdienst, Sonderheft 16, p. 598-604. Berlin, 1942. Ref., p. 603-604. 18 F772  
Feeding of poultry.

19736 FREDERICK, H. E. Feed situation and the poultryman. Flour & Feed 44(10): 16. Mar. 1944. 298.8 F66

Suggestions for feeding and feed conservation.

19737 GRAU, F. V. Use more greens in '44; save feed and raise more and better turkeys. Turkey World 19(3): 12, 40-43. Mar. 1944. 47.38 T84

19738 HADDOCK, J. L. Reduce feed costs by poultry range improvement and growing supplementary grains. N. H. Breeder 7(1): 16, 19. Mar./May 1944. 47.8 M45

19739 HALMAN, E. T. The scientific principles of poultry feeding. Gt. Brit. Min. Agr. and Fisheries. Bul. 7, 60 p. London, 1944. 10 G794B

19740 HAMMOND, J. C., and others. Vegetable protein diets for turkeys. Poultry Sci. 23: 105-109. Mar. 1944. 47.8 Am33P

S. K. Haynes, S. J. Marsden, and H. W. Titus, joint authors.

19741 \*HANSE, W. Grünfütter für Küken! Landesbauernschaft Württemb. Wchnbl. 110: 271. Apr. 24, 1943. 18 W96

19742 HARTMAN, R. C. El pastoreo en la alimentación de las aves. Res 12: 15502. Jan. 20, 1944. 286.85 E31

19743 HARVEY, J. R. Balancing the ration. Poultry (London), 94: 104. Feb. 15, 1944. 47.8 P869

19744 HENDERSON, D. C., COOK, T. D., and PALMER, C. H. Turkey and poultry feed problems; round table discussion. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 164-165. 44.9 V593

19745 HIRSCH, ART. All eyes focused on short poultry, feed supply; programs to ease situation include stepped up imports, emergency rations, conservation. Poultry Supply Dealer 20(12): 8, 34-35. Dec. 1943. 47.8 B11

19746 HOFFMANN, EDMUND, and TOMHAVE, A. E. One year's feeding of a low animal protein laying mash. Feedstuffs 16(13): 31-32. Mar. 25, 1944. 286.81 F322

19747 JAMES, LOCKE. If you produce poultry meat do it economically. Northeast. Poultryman 38(3): 24. Mar. 15, 1944. 47.8 N44

Stresses feeding.

19748 JAMES, LOCKE. Potatoes in poultry feeding. Northeast. Poultryman 38(3): 22. Mar. 15, 1944. 47.8 N44



- 19749 KENNARD, D. C. Calcium for egg shells. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 27-32. Jan./Feb. 1944. 100 Ob3S  
Experiments showing the dangers of using limestone as a source of calcium in poultry feeds. Condensed in Feedstuffs 16(14): 32, 34-35. Apr. 1, 1944. 286.8 F322
- 19750 KIMBER, J. E. California Poultry Council has helped feed situation. Nulaid News 21(11): 28-29. Feb. 1944. 47.8 N917
- 19751 KLEIN, G. T. Pasture provides most saving when feed is restricted. Poultry Tribune 50(4): 71-72. Apr. 1944. 47.8 P8642  
Compares different methods of feeding.
- 19752 LESPÉRANCE, ROLAND. Les pâturages en aviculture...essentiel dans l'élevage économique et hygiénique des poussins. Bul. des Agr. 40(3): 22, 26. Mar. 1944. 7 B872
- 19753 LESSARD, H. L. Oats in poultry feeding. Canad. Poultryman 31(3): 20. Mar. 1944. 47.8 C166
- 19754 JAMES, LOCKE. Chicks must eat to grow. Poultry Tribune 50(4): 41. Apr. 1944. 47.8 P8642  
Also in Northeast. Poultryman 38(3): 21. Mar. 15, 1944. 47.8 N44
- 19755 MACDONALD, A. J., and BOSE, S. Studies on the digestibility coefficients and biological values of the proteins in poultry feeds. Poultry Sci. 23: 135-141. Mar. 1944. 47.8 Am33P
- 19756 MCGINNIS, JAMES, NORRIS, L. C., and HEUSER, G. F. Poor utilization of phosphorus in cereals and legumes by chicks for bone development. Poultry Sci. 23: 157-159. Mar. 1944. 47.8 Am33P
- 19757 HANN, T. B., and THOMPSON, A. Chick faults show up in second month. Poultry Farmer [London, 110(2854): 3. Mar. 3, 1944. 47.8 F312  
Stresses chick feeding.
- 19758 \*MANTEL, KARL. Der Futterwert von trockentrebern. Arch. f. Kleintierzucht 3: 122-128. May/June 1942. 49 Ar2
- 19759 MOORE, A. C. Incubator waste has no food value. Poultry [London, 94: 84. Feb. 8, 1944. 47.8 P869
- 19760 NEUERBURG, GEORGE. Factors of availability, cost in feeding pigeons. All-Pets Mag. 15(10): 65, 66. Mar. 1944. 48.8 A15
- 19761 NEW HAMPSHIREs in research are discovering fundamental facts about feed. N. H. Breeder 7(1): 6-7, 27. Mar./May 1944. 47.8 N45
- 19762 NEWMAN, TOM. Poultry experience with breeding and mineral feeding. Mod. Poultry Keeping 50: 172. Mar. 8, 1944. 47.8 Eg3
- 19763 PARKHURST, R. J. Vitamins in the poultry ration. Grain & Feed Jours. Consolidated 92: 244. Mar. 22, 1944. 298.8 G762
- 19764 PARKHURST, R. T., GUTOWSKA, M. S., and FELLERS, C. R. Crab meal in poultry rations. III. Laying and breeding rations. Poultry Sci. 23: 118-125. Mar. 1944. 47.8 Am33P
- 19765 PARKHURST, R. T. Feed efficiency a necessity in wartime poultry feeding. Feedstuffs 16(14): 42-45. Apr. 1, 1944. 286.81 F322
- 19766 PARKHURST, R. T. Getting vitamin A for poultry. Grain & Feed Jours. Consolidated 92: 205. Mar. 8, 1944. 298.8 G762
- 19767 PARKHURST, R. T. Newer knowledge of poultry nutrition. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 160-163. 44.9 V593
- 19768 PATRICK, H., and MORGAN, C. L. The comparative biological value of crystalline riboflavin, alfalfa leaf meal, and lespedeza meals as sources of riboflavin for chicks. Poultry Sci. 23: 142-145. Mar. 1944. 47.8 Am33P
- 19769 PATRICK, H., DARROW, M. I., and MORGAN, C. L. The role of riboflavin in turkey poult nutrition. Poultry Sci. 23: 146-148. Mar. 1944. 47.8 Am33P
- 19770 PATRICK, HOMER. Vitamin investigations in turkey poult and chick nutrition. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 36-42, processed. 1943. 241.8 P38
- 19771 PETERSON, L. L. The starting of chicks on grain and its effect in preventing "pasting up" at various controlled temperatures. Poultry Sci. 23: 101-104. Mar. 1944. 47.8 Am33P
- 19772 PLATT, C. S. The diet of Homing pigeons. Rural New-Yorker 103: 176. Mar. 18, 1944. 6 R88
- 19773 PLATT, C. S. Emergency substitutions for laying mash in the diet of White Leghorn pullets and its effect on egg production. Poultry Sci. 23: 126-129. Mar. 1944. 47.8 Am33P
- 19774 PLATT, C. S. Sprouted soy beans as an emergency feed. N. J. Farm and Garden 15(3): 45. Mar. 1944. 6 G162
- 19775 PROULX, J. R. Les protéines et l'aviculture. Terre de Chez Nous 16(23): 10. Mar. 8, 1944. 7 T27
- 19776 REIS, JOSE. Avicultura — alimentação e criação. Rev. Rural Bras. 23(280): 38-39. Dec. 1943. 9.2 B733
- 19777 ROBINSON, LEONARD. Feeding plans for battery layers...outlines suitable methods. Mod. Poultry Keeping 50: 190-191. Mar. 15, 1944. 47.8 Eg3
- 19778 ROSCOE, CHARLES. Don't give ducklings sloppy food. Poultry [London, 94: 120. Feb. 22, 1944. 47.8 P869
- 19779 RUMBALL, P. Care of the laying hen. Queensland Agr. Jour. 58: 48-50. Jan. 1944. 23 Q33  
Discusses principles of feeding.
- 19780 SILVEIRA, E. DE F. O óleo de fígado de cação em face das avitaminoses "A" "E" "D." Rev. Rural Bras. 23(279): 26-27. Nov. 1943. 9.2 B733  
Shark liver oil for poultry deficiency diseases.
- 19781 SINGSSEN, E. P., and MITCHELL, H. H. Soybean meal chick rations need no inorganic phosphorus supplements. Poultry Sci. 23: 152-153. Mar. 1944. 47.8 Am33P
- 19782 SMITH, R. M. How little protein can you feed your hens? Farm and Ranch 63(3): 19. Mar. 1944. 6 F31
- 19783 SMITHSON, M. B. Rearing eight week old pullets; go easy with the balancer. (Concl.) Poultry Farmer [London, 110(2853): 9. Feb. 25, 1944. 47.8 F312
- 19784 TAYLOR, M. W., JEFFREY, F. P., and RUSSELL, W. C. Fat requirements of the hen. Poultry Sci. 23: 155-157. Mar. 1944. 47.8 Am33P
- 19785 TAYLOR, M. W. Poultry Association of Great Britain feed tests: the first four months: outlines the progress of the current experiments on the P. A. G. B. farm. Mod. Poultry Keeping 50: 136, 137. Feb. 23, 1944. 47.8 Eg3
- 19786 TEMPERTON, H., and DUDLEY, F. J. The feeding of raw and cooked potatoes and sugar beet to laying pullets. Jour. Agr. Sci. [England, 33: 204-206. Oct. 1943. 10 J822
- 19787 TEMPERTON, H., and DUDLEY, F. J. Feeding processed food waste (swill) to growing chickens. Harper Adams Util. Poultry Jour. 29: 1-6. Jan. 1944. 47.8 P8612
- 19788 WILLET, E. L., and VILELLA, E. S. Alimentos de emergencia para gallinas ponedoras. Puerto Rico. Agr. Expt. Sta. (Rio Piedras) Agr. Expt. 3(3): 7-9. May/June 1943. 100 P83As



19789 WILLGEROTH, G. B., HALPIN, J. L., and FRITZ, J. C. Grains and grain by-products in chick starting rations. *Feedstuffs* 16(12): 32, 34-35. Mar. 15, 1944. 286.81 F322

Experiment with ground yellow corn, ground oats, and ground wheat.

#### Veterinary Medicine

19790 \*ARVY LUCIE. Le conditionnement hormonal de la morphologie sanguine du coq domestique. *Rev. Sci. [Paris]* 81: 12-23. Jan. 1943. 473 R32

19791 ASPLIN, F. D. Treatment of a virus disease of chickens with sulphonamides. *Nature [London]* 153: 253. Feb. 26, 1944. 472 N21

19792 BOLOÑA R., JULIO. El cólera de las aves y la manera de combatirlo. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 28-29. Oct./Dec. 1943. 9.5 M31

19793 BOSE, S. An iodimetric estimation of uric acid in poultry excreta. *Poultry Sci.* 23: 130-134. Mar. 1944. 47.8 Am3P

19794 BUENO, R. DE C. As molestias das aves: meios de propagação. *Rev. dos Criadores* 15: 62-64. Jan. 1944. 45.8 R32

19795 BUENO, R. DE C. O raquitismo entre as aves. *Rev. dos Criadores* 14(16): 74-76, 73. Dec. 1943. 43.8 R32

19796 BULLIS, K. L. The avian leukosis complex. *Northeast. Poultryman* 38(3): 5-6, 26-27. Mar. 15, 1944. 47.8 N44

19797 CIUDAD JUÁREZ MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Algunas enfermedades y parásitos de las aves. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 61, Ser. 2, 8 p. n. d. 102 C492

Pullorum, coccidiosis, coryza, and fowl pox.

19798 CUTEKOMP, L. K. Toxicity of rotenone and derris extracts administered orally to birds. *Cornell Univ. Abs. of Theses*, 1942: 268-271. 1943. 241.8 CUL

Chickens, pigeons, and wild birds.

19799 GERKIN, BERTHA. Experience with sinusitis in turkey flock is told. *West. Farm Life* 46(5): 20. Mar. 1, 1944. 6 R153

19800 \*GRAU, HUGO. Artmerkmale am darmkanal unserer hausvögel. Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 176-179. June 11, 1943. 41.8 B45

19801 HINSHAW, W. R., MCNEIL, E., and TAYLOR, T. J. Epidemiology of a maltose fermenting variant of *Salmonella pullorum*. *Poultry Sci.* 23: 94-100. Mar. 1944. 47.8 Am3P

19802 JUNGHERR, ERWIN. Controlling blue comb. *New England Homestead* 117(5): 28-29. Mar. 11, 1944. 6 N442

19803 \*LECOQ, R., CHAUGHARD, P., and MAZOUÉ, H. Les troubles de l'excitabilité neuromusculaire au cours des déséquilibres alimentaires et des avitaminoses. I.- Déséquilibre glucidique aigu et avitaminose B chez le pigeon. *Soc. de Chim. Biol. Bul.* 25: 75-79. Jan./Mar. 1943. 383 Sol

19804 MACKAY, A. A. Facts about avian T. B. (Concl.) *Poultry [London]* 94: 106, 152, 158. Feb. 15, 29, 1944. 47.8 P869

19805 MOXON, A. L., and WILSON, W. O. Selenium-arsenic antagonism in poultry. *Poultry Sci.* 23: 149-151. Mar. 1944. 47.8 Am3P

19806 NOBREGA, P. A cólera aviária. *Biológico* 9: 356-359. Oct. 1943. 442.8 B529

19807 RAIMO, H. F. Alguns aspectos de fecundação do ovo das galinhas. *Rev. dos Criadores* 14(16): 77-79. Dec. 1943. 43.8 R32

Reproductive organs of the male, and physiology of fertilization of the egg.

19808 RAIMO, H. F. Estudos sobre a fisiologia da reprodução em aves. III - Vitalidade biológica do espermatozoide do galo, no oviduto das galinhas. *Bol. de Indus. Anim. (n. s.)* 6(3): 16-26. July 1943. 49 R324

English summary.

19809 RAIMO, H. F. Notas sobre a formação do embrião da galinha. *Rev. dos Criadores* 15: 65-67. Jan. 1944. 43.8 R32

19810 RESTREPO ALVAREZ, BRAULIO. Parásitos de las aves de corral. *Rev. de Agr. y Com. [Panama]* 3 (28): 13-14. Dec. 1943. 8 R3291

19811 SCRIVNER, L. H. Diseases incidental to brooding of chicks and poults. *Iowa Vet.* 15(2): 5. 14, 16-17, 25. Mar./Apr. 1944. 41.8 I09

19812 SEELER, A. O., OTT, W. H., and GUNDEL, M. E. Effect of biotin deficiency on the course of *Plasmodium lophurae* infection in chicks. *Soc. Expt. Biol. and Med. Proc.* 55: 107-109. Feb. 1944. 442.9 Sol

19813 SHEW, W. D. The caponizing of cockerels. *Victoria. Dept. Agr. Jour.* 42: 55-56. Feb. 1944. 23 V66J

19814 SMITH, H. W., and FIELD, H. I. The isolation of *Pasteurella aviseptica* from a turkey. *Vet. Jour.* 100: 35-38. Feb. 1944. 41.8 V643

#### Miscellaneous

19815 AIRD, M. W. Turkey production. *So. Austral. Dept. Agr. Jour.* 47: 277-280. Jan. 1944. 23 So84

Breeding, hatching, care and management, and marketing.

19816 ANDERSON, C. F. The management of growing pullets. *So. Austral. Dept. Agr. Jour.* 47: 266-267. Jan. 1944. 23 So84

19817 ASMUNDSON, V. S. Turkey management problems. *Mt. Poultry Yearbook* 1944: 63. 47.9 M36

19818 BABBITT, D. M. Chick mortality higher. *N. J. Farm and Garden* 15(3): 41. Mar. 1944. 6 G162

Problems of care and management.

19819 BAKER, G. A. Weight-growth curves. *Poultry Sci.* 23: 83-90. Mar. 1944. 47.8 Am3P

19820 BEARSE, G. E. Brooding heavy breed chicks. *Washcoegg* 21(11): 19-20. Mar. 1944. 47.8 W27

19821 BENOIT, C. E. Elevez des poussins sains et vigoureux. *Terre de Chez Nous* 16(23): 7, 28. Mar. 8, 1944. 7 T27

19822 BENOIT, C. E. Préparons la saison d'incubation. *Terre de Chez Nous* 16(14): 17. Jan. 5, 1944. 7 T27

19823 BOBBY, F. C. Poultry-keeping as a source of income. (To be cont.) *New Zeal. Jour. Agr.* 68(1): 62-64. Jan. 15, 1944. 23 N48J

19824 BROOKE, DENISON. Cull them early; get rid of doubtful birds now and save food for the ones that deserve it. *Farmers Weekly [London]* 20(10): 36. Mar. 10, 1944. 10 F2226

19825 BROTO, ARTURO DE. Por qué fracasé como avicultor. *Ceres [Spain]* 5(44): 35-36. Feb. 1, 1940. 15 C33

19826 BROWN, MARY. Young ducklings [care and management]. *Poultry Farmer [London]* 110(2853): 8. Feb. 25, 1944. 47.8 F312

19827 BUTTNER, E. E. How the weather affects eggs [during incubation]. *So. African Poultry, Pigeon and Bird Mag.* 50(384): 14. Jan. 1944. 47.8 S083

19828 CALLENBACH, E. W. More light, more eggs. *Northeast. Poultryman* 38(3): 21. Mar. 15, 1944. 47.8 N44



- 16231 HEIZER, J. M. From tobacco--to dried sweets. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 8-9. Jan. 1944. 166.2 N47  
Varied activities of the Eastern Dark Fired Tobacco Growers Association, of Kentucky-Tennessee, including dehydration of sweetpotatoes.
- 16232 PERDOMO, J. E. Alarma: nuestro tabaco en el mercado mundial. Rev. Nac. [Habana] 3(26): 17-18. Jan. 1944. 280.8 R3295  
Difficulties in increasing exports, tobacco monopolies in foreign countries, and a post-war policy for Cuban tobacco.
- 16233 PERDOMO, J. E. Exportaciones de tabaco: últimos aumentos. Rev. Nac. [Habana] 2(25): 27. Dec. 1943. 280.8 R3295
- 16234 \*PIMENTA, ATOUGUJA. Tabaco; subsidios para o estudo dos tabacos de Moçambique. Moçambique 7(26): 51-72. June 1941. 110 M71  
History, industrial classification, chemical analysis, effects upon health, trade, and quantity of production of tobacco.

## MISCELLANEOUS PRODUCTS

- 16235 DELAHANTY, T. W., and SCHUTTRUMPF, E. D. Quinine - after the war. Drug and Cosmetic Indus. 53: 509, 516-517. Nov. 1943. 396.8 D842
- 16236 FALCIONI, A. C. Cuajo de origen vegetal obtenido de la flor de cardo; cuál es la variedad productora y experiencias realizadas para comprobar su acción en la coagulación de la leche. Res 11: 14.375, 14.376. May 20, 1943. 286.85 R31
- 16237 GUERRA Y SÁNCHEZ, RAMIRO. La invención, la gran perturbadora. Asoc. de Téc. Azucareros Cuba. Bol. Ofic. 2: 202-204, 205. Jan. 1944. 65.9 As5B  
The threat of synthetics to agriculture.
- 16238 A IPECACUANHA. Observador Econ. e Financ. 8(92): 107-109. Sept. 1943. 280.8 Ob72  
Includes cost of production of ipecac and protection to the industry.
- 16239 MASON, C. F. Water dispersible and bulking gums--3. Locust bean gum. Chem. Indus. 54(1): 66-67. Jan. 1944. 381 C426
- 16240 ROIG, J. T. Nueva industria posible: la manzanilla cubana. Rev. Nac. [Habana] 3(26): 11. Jan. 1944. 280.8 R3293  
Economic aspects of camomile production.
- 16241 SMITH, E. A. Water soluble gums. Chermurgic Digest 3: 43-44. Jan. 31, 1944. 381 N213Na

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL

- 16242 AISSSESTEIN, LEÓN. Empeño épico: la industrialización agrícola. Rev. Nac. [Habana] 2(21): 11. Aug. 1943. 280.8 R3293  
Plans for developing new industries based upon Cuban agriculture.
- 16243 BATISTA C., J. B. Situación económica de Istmo [Panama] en el siglo XIX. Rev. de Agr. y Com. [Panama] 3(27): 18-22. Nov. 1943. 8 R3291
- 16244 BEAUMONT, MARK. The case against country planning. Field 183: 136-138. Feb. 5, 1944. 10 F45  
Critical of national control of land and buildings.

- 16245 \*BOREL, A. International chronicle of agriculture: Switzerland. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 70E-79E. Feb. 1943. 280.9 In83  
Trade, crop areas, the agricultural situation, the land system, and organizations.

- 16246 BRITISH COLUMBIA FRUIT GROWERS' ASSOCIATION. Resolutions adopted by B.C.F.G.A. 1944 convention. Country Life [Brit. Columbia] 28(2): 16-17, 32. Feb. 1944. 7 C832  
Resolutions refer to prices, research, labor, transportation, and school taxation.
- 16247 \*CONGRESO SINDICAL AGROPECUARIO, MÁLAGA, SPAIN, 1st, 1942. El 1 Congreso Sindical Agropecuario; conclusiones presentadas por la Delegación Provincial de Sindicatos de Málaga. Surco [Madrid], No. 3, sup., p. 3-5, 7, 9-12. May 1942. 15 Su7  
Conclusions refer to such subjects as credit, labor, tenure, and marketing.

- 16248 GARCÍA CADENA, ALFREDO. Campesino y sociólogo. Bol. Agr. [Medellín], No. 292/293, p. 2196-2200. Nov./Dec. 1943. 9.4 Sol  
Critical of Colombia's promoting industry at the expense of agriculture. Industries should be developed which will use domestic raw materials.

- 16249 \*L., E. Bauer und arbeiter. Schweiz. Bauernztg. 43: 14-15. Apr. 1943. 280.28 Sch93  
The need for post-war cooperation between agriculture and industry.

- 16250 MORAES, J. DE M. Rápidas pinceladas de economia rural. Rev. de Direito Agr. 1: 85-94. Mar. 31, 1943. 281.8 R323  
On the changing concept of soil fertility, the need for credit in Brazilian agriculture, and the importance of the large holding.

- 16251 ORWIN, C. S. Farm economics. Roy. Soc. England. Jour. 104: 28-35. 1943. Ref. 10 R81  
A survey of agricultural reconstruction, farm management, labor, cooperation, statistics, and taxation.

- 16252 STERLING, J. R. A glimpse at present-day Yucatán; an intimate picture of the "sisal state" and Mérida, its chief commercial, industrial and distributing city; natural resources and climate, plantation methods, population, transportation, cultural life. Cord Age 41(1): 14, 32. Jan. 1944. 73.8 C812

- 16253 TANNOUS, A. I. Agricultural production and food consumption in Iran. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 27-42, processed. Feb. 1944. 1.9 Ec7For  
Includes the rural community, systems of land tenure, and crops produced.

- 16254 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b). Ob uborkе urozhaia i zagotovkakh sel'skokhoziaistvennykh produktov v 1943 godu. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz, No. 69, 31 p. Moskva, 1943. 20 Ag88  
Regulations for the crop harvest including care of equipment and labor and wages.

## AGRICULTURAL FINANCE

- 16255 MYERS, W. I. A wartime program for New York farmers in 1944. [N. Y.] Greene Co. Farm Bur. News 27(6): 1. Feb. 1944. 275.293 N.Y., Greene Co.  
Program for financial security, including payment of debts, avoidance of speculation, and investment in war bonds.

## Credit

- 16256 BERGENGREN, R. F. Sees credit union great co-op aid. Coop. Consum. 11(3): 2. Feb. 15, 1944. 280.28 C7836



- 16257 BHANDARI, J. G. Organization of agricultural credit in India. Indian Co-op. Rev. 9: 222-227. July/Sept. 1943. 280.28 In2
- 16258 CHAND, MAHESH. What delay? Plea for the early establishment of a provincial bank in U. P. Indian Co-op. Rev. 9: 228-231. July/Sept. 1943. 280.28 In2
- 16259 CULPEPPER, J. P. How Georgia banks help farmers. Banking 36(3): 46-47, 94. Feb. 1944. 284.8 Am3
- 16260 FARM lending [by banks]. South. Banker 82(2): 19-20, 54-57. Feb. 1944. 284.8 So8  
Series of statements by J. P. Culpepper, E. A. Howell, J. B. Sloan, G. C. Hunter, and W. T. Savage.
- 16261 FARM lending [by banks]. South. Banker 82(3): 17, 49-52. Mar. 1944. 284.8 So8  
Third in a series of discussions by bankers. Includes discussions and statements by R. D. Gage, Jr., W. A. Montgomery, C. E. Wilson, and M. L. Lee.
- 16262 FERNÁNDEZ Y FERNÁNDEZ, RAMÓN. Crédito y subsidios. Crédito y pequeña propiedad. (Comentarios sobre el crédito agrícola en Estados Unidos.) Mex. Agr. 5: 237-245. Oct./Dec. 1943. 280.8 M57
- 16263 FITZPATRICK, F. J. Quebec credit unions. Co-op News 17(10): 20. Oct. 1943. 280.28 Co7899  
Operations in handling the credit needs of farmers and cooperatives.
- 16264 GOPALSWAMY, S. Co-ordination and control of banking in Mysore. Indian Jour. Econ. 24(92): 38-58. July 1943. 280.8 In22
- 16265 HERNÁNDEZ, A. E. El crédito rural en Costa Rica. Vida Agr. 20: 817, 819, 821, 823-832. Nov. 1943. 9.8 V66
- 16266 IGLESIAS BENOIT, HERNÁN. Crédito hipotecario e impuesto de valorización. Tierras y Aguas 5(57/58): 62-65. Sept./Oct. 1943. 282.8 T44
- 16267 KLINGE, GERARDO. El crédito agrícola en México. (To be cont.) Vida Agr. 20: 705-712, 769, 771-776. Sept.-Oct. 1943. 9.8 V66
- 16268 KLINGE, GERARDO. El crédito agrícola en México. (Quinto artículo) Vida Agr. 20: 845-850. Nov. 1943. 9.8 V66
- 16269 MARTIN, ARMAND. Le rôle des caisses populaires dans le mouvement coopératif. Terre de Chez Nous 16(6): 17. Nov. 10, 1943. 7 T27  
Includes the Canadian people's bank as a source of credit.
- 16270 MENDIETA Y NÚÑEZ, LUCIO. La reorganización del crédito ejidal. Granja [Mexico] 11: 223-224. Dec. 1943. 8 G76
- 16271 RAO, T. R. N. War and co-operative banking. Madras Jour. Co-op. 35: 153-159. Oct. 1943. 280.28 M26  
Effect of the war on the banks and their loans.
- 16272 \*RICO, PEDRO. El problema del crédito agrícola. Surco [Madrid] 2(19): 42-43. Sept. 1943. 15 Su7
- 16273 SANDERS, S. D. A real banking service for co-ops; Federal lending agency has enviable record of service to farmers. GTA Digest 4(2): 15-19. Feb. 1944. 280.28 G11  
Part of address.  
Organization and operations of the banks for cooperatives.
- 16274 SATHYANARAYANA, N. Co-operative banks and agricultural labour. Indian Co-op. Rev. 9: 249-254. July/Sept. 1943. 280.28 In2  
Also in Madras Jour. Co-op. 35: 205-209, Nov. 1943. 280.28 M26
- 16275 SENGUPTA, SOVONA. Banking reform in India. Indian Jour. Econ. 24(92): 59-65. July 1943. 280.8 In22
- 16276 STRICKLAND, ROBERT. Aiding agriculture. Burroughs Clearing House 28(5): 13-15, 48, 49, 50. Feb. 1944. 284.8 B94  
Furnishing of credit and advice to farmers by the Agricultural Development and Loan Department of the First National Bank & Trust Company, Macon, Ga.
- 16277 VITELLES, HARRY. Central Bank of Co-operative Institutions in Palestine, Ltd. Rev. Internatl. Co-op. 37: 10-11. Jan. 1944. 280.28 In8B  
Agricultural credit operations of the bank.
- 16278 WALKER, C. H. Florida citrus leader warns of attacks against co-operatives; efforts to curb present liberal farm loan credit system. Sunsweet Standard 27(9): 8-9. Feb. 1944. 286.83 Su7
- Income
- 16279 COLLINS, G. P. Wartime farm income: a challenge for sound management. Okla. Agr. Expt. Sta. Current Farm Econ. 17(1): 8-14. Feb. 1944. 100 Ok4
- 16280 HOW THE farmer spends his money. Co-op Grain Quart. 2(1): 18-20. Winter 1944. 280.28 C7898  
Farm income and expenditures.
- 16281 KRAUSS, E. A. War-time trends in national income. Mag. Wall St. 73: 492-495, 527. Feb. 19, 1944. 286.8 M27  
Includes farm income.
- 16282 PETERSON, C. A. Low farm income threatens welfare of the entire Nation. Dairyland News 14(4): 1, 3. Feb. 28, 1944. 280.28 W752  
Thinks farmers should receive a larger proportion of the national income.
- 16283 WAGGAMAN, M. T. Family allowances in various countries. U. S. Bur. Labor Statis. Bul. 754, 62 p. Washington, 1943. 158.6 B87  
Includes family allowances for farmers.
- Inflation
- 16284 GOS, A. DE. Problèmes de guerre et d'après-guerre. Bul. des Agr. 40(2): 33-34. Feb. 1944. 7 B872  
The position of the farmer under inflation.
- Insurance
- 16285 CARRIER, F. H. A farmer's mutual insurance company. Conn. Circle 7(2): 30-31. Feb. 1944. 280.8 C7632  
Activities of the Patrons Mutual Fire Insurance Co.
- 16286 \*HW. Unfallverhütung in der Landwirtschaft. Schweiz. Bauernztg. 43: 39. Oct. 1943. 280.28 Sch93  
The importance of accident insurance for the farmer.
- 16287 \*ROMMEL, C. Compulsory state hail insurance in Bulgaria. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 37E-47E. Feb. 1943. 280.29 In83
- Taxation
- 16288 ADAIR, WILLIAM. Pay-as-you-earn anomalies; will Irish workers escape? Farming News and North Brit. Agr. 96(7): 3. Feb. 11, 1944. 10 N82  
Taxation of wages of farm labor in Great Britain.
- 16289 ALLEN, E. D. That "complicated" income tax. Iowa Farm Econ. 10(1/2): 21-23. Jan./Feb. 1944. 275.28 Io92  
Instructions to farmers on making income tax returns.
- 16290 \*BOIXO, BARON DE. Sur la taxation des vins. Prog. Agr. et Vitic. 120: 18-20. July 18, 1943. 14 P94
- 16291 \*BOIXO, BARON DE. La taxation des vins. Prog. Agr. et Vitic. 119: 197-199. June 13/20, 1943. 14 P94



16292 GARDINER, R. S. The farmer and his taxes. Roy. Soc. England. Jour. 104: 191-206. 1943. 10 R81

16293 GRIFFITH, WYN. The farmer's part in "pay as you earn." Farmers Weekly [London] 20(6): 29. Feb. 11, 1944. 10 F2226

Tax deductions from farm wages.

16294 PAY AS you earn. Natl. Farmers' Union. N. F. U. Rec. 22: 73. Feb. 1944. 281.8 N21

Wage deductions for income tax purposes for agricultural workers.

16295 "PAY AS you earn" for agricultural workers. Land Worker 25(296): 7. Jan. 1944. 283.8 L22

Income tax deductions from wages.

16296 ROSS, R. C. Here's help with your income tax. Successful Farming 42(3): 34, 64-65. Mar. 1944. 6 Sul2

Information for farmers.

16297 STEWART, C. L. Farm realty values. Appraisal Jour. 12(1): 14-30. Jan. 1944. 282.8 Am3

Appraisal for taxation, based upon a case-study of an area in Fairfield County, Conn.

16298 PROUT, CLARENCE. Tax-forfeited land problems are tackled by Itasca County [Minn.]. Conserv. Volunteer 6(37): 39-42. Nov./Dec. 1943. 279.8 C765

16299 VENEGAS GÓMEZ, SANTIAGO, QUIJANO, M. A., and DÍAZ CADENA, ROBERTO. Catastros bases para la liquidación del impuesto de valorización. Tierras y Aguas 5(57/58): 66-70. Sept./Oct. 1943. 282.8 T44

16300 \*WUTH. Steuervergünstigungen bei einberufungen; für den fleischermeister wichtige neuere einzelbestimmungen. Deut. Fleischerztg., No. 68, p. 2. June 16, 1943. 286.85 D482

Includes income and land taxes.

#### AGRICULTURAL LABOR AND WAGES

16301 \*BG. Zwei Jahre arbeitseinsatz. Schweiz. Bauernztg. 43: 11. Mar. 1943. 280.28 Sch93

Statistics on the agricultural labor program.

16302 BRACKEN, A. F. Job analysis as a means of saving labor on farms. Utah Farmer 63(12): 12, 15. 19. Feb. 10, 1944. 6 D45

16303 BRUTON, P. G. Farm labor supply for 1944. U. S. Bur. Agr. Econ. Agr. Situation 28(2): 18-20. Feb. 1944. 1 Ec7Ag

16304 BRUTON, P. G. Labor and the 1944 food program. Amer. Grocer 151(8): 42-44. Feb. 23, 1944. 286.83 Am32

Labor supply and wage rates.

16305 BRUTON, P. G. Recruiting field labor. Food Packer 25(4): 70, 72. Mar. 1944. 286.83 C165  
Also in Canner 98(14): 38, 40, 42. Mar. 4, 1944. 286.83 C16

16306 CAMERON, W. C. Scarcity of labor affects cheese and butter grades. Canad. Dairy and Ice Cream Jour. 23(2): 37-38, 53. Feb. 1944. 44.8 C162

16307 \*COSTA, A. A. Açúcar de Moçambique; Incomati Estates, Limited. Moçambique 9(34): 91-103. June 1943. 110 M71

Includes discussion of the labor employed.

16308 \*DESMIRREANU, V. Migratory agricultural labourers in Hungary in the year 1941. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. [reprint from Internatl. Rev. Agr.] 34: 124S-126S. Mar. 1943. 251 In8B

16309 DIXON, PETER. Balancing the dairy farm budget may be a matter of teamwork. Farmers Weekly [London] 20(4): 31. Jan. 28, 1944. 10 F2226

Labor economies.

16310 DUNCAN, J. F. The future of farm labour; why all desire to be tractor-men. Farming News and North Brit. Agr. 96(1): 25. Jan. 1944. 10 N82

16311 DUNN, E. B. Wage rates of hired farm labor. Natl. Indus. Conf. Bd., Inc. Managt. Rec. 6: 40-41. Feb. 1944. 283.9 N212Co

16312 FEAR, GRANT. Cultivations on contract. Farmers Weekly [London] 20(6): 28. Feb. 11, 1944. 10 F2226

Suggestions for letting out farm operations on contract.

16313 FERGUSON, D. B. Labor requirements of canning crops. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3550-3552. Feb. 1944. 280.8 C812

16314 FITZSIMMONS, JOHN. The 1944 farm labor front in Iowa. Iowa Farm Econ. 10(1/2): 15, 24. Jan./Feb. 1944. 275.28 I92

16315 HAM, W. T. Stabilization of farm wages. U. S. Bur. Agr. Econ. Agr. Situation 28(1): 18-21. Jan. 1944. 1 Ec7Ag

16316 HUNTER, F. W. The canning plant labor outlook for 1944. Canner 98(12): 16, 50. Feb. 19, 1944. 286.83 C16

16317 HUNTER, F. W. Recruiting of cannery labor. Food Packer 25(4): 68, 70. Mar. 1944. 286.83 C165  
Also in Canner 98(14): 42, 44. Mar. 4, 1944. 286.83 C16

16318 \*HW. Förderung der landarbeitstechnik. Schweiz. Bauernztg. 43: 42. Nov. 1943. 280.28 Sch93

16319 IBARBURU, ANGEL. Problemas sociales de la campaña. Fed. Rural, Uruguay. Rev. (3ra época) 6 (25): 102. Oct. 1943. 9.9 R322

Suggestions for labor legislation.

16320 KEESLING, F. V., JR. Selective service. Food Packer 25(4): 64. Mar. 1944. 286.83 C165

Military deferment of workers in food processing industries.

Also in Canner 98(14): 44, 48. Mar. 4, 1944. 286.83 C16; Amer. Grocer 151(8): 45-46. Feb. 23, 1944. 286.83 Am32

16321 LESLIE, J. C. Labour organization in Essex. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 472-476. Jan. 1944. 10 G79J

16322 LÓPEZ CASTRO, AMADEO. Futuro económico: postulados de Atlantic City. Rev. Mac. [Habana] 3(25): 5. Dec. 1943. 280.8 R3295

Cuba's agricultural problems in the light of the requirements of the U. N. R. R. A.

16323 \*NEKRASOVA, O. Novym pod'emom sotsialisticheskogo sorenovaniia usilim pomoshch' frontu. Sovkhoznoe Proizvodstvo 3(8): 27-29. Aug. 1943. 20 S685

Discusses the high productivity of the agricultural workers on the state farms.

16324 PERKINS, FRANCES. A suggested labor policy in the food canning and packing industry, for the postwar period. Food Packer 25(3): 21-22. Feb. 15, 1944. 286.83 C165

16325 RODRIGUES DE SOUZA, J. M. La situación de la campaña y los salarios rurales. (Concl.) Diario Rural 4(335): 13. Dec. 4, 1943. 9.9 D54

16326 ROE, A. J. How Ontario has formed a land army to meet the shortage of help on farms. Country Guide 62(6): 47, 53. June 1943. 7 G76

16327 \*SANZ ORRIO, FERMIN. Conferencia pronunciada... en la Escuela Social de Madrid, el día 23 de enero de 1943. Surco [Madrid] 2(12, sup.): 1-4. Feb. 1943. 15 Su7

Relation between the State and the syndical organization in the field of labor.

16328 \*SCHROPP, KARL. Betriebswirtschaftliche massnahmen zur ersparung von arbeitskräften. (To be cont.) Mitt. f. die Landw. 58: 543-544. July 10, 1943. 18 D48M

Farm labor.



16329 TESKE, A. H. The 1944 labor problems in the fruit-growing industry. Va. Fruit 32(1): 102-107. Jan. 1944. 81 V81B

16330 \*VIVET, E. La question de la main-d'oeuvre agricole dans le Département d'Oran. Rev. Agr. de l'Afrique du Nord 41: 70-71. Apr. 23, 1943. 80 R326

16331 \*WITTERN. Helfer der landwirtschaft; arbeitsbedingungen, verpflegung und massnahmen bei arbeitsverweigerung. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 422. July 31, 1943. 18 B34W

#### Women

16332 ALWAY, L. D. A job well done. Womens Press 38(3): 118, 119. Mar. 1944. 110 W84

Work done in California by girl farm aides.

16333 \*DERLITZKI. Gesünderes landvolk - durch arbeitsentlastung der bäuerin. Umschau 47: 212-214. Sept. 1943. 474 Um7

Time, energy, and labor-saving techniques for farm operations performed by women.

16334 HALL, F. L. Higher 1944 agricultural goals bring mounting need for women farm help; recruitment, training, placement are supervised by Women's Land Army; some 23,216 placed last summer. Victory Bul. 5(4): 4. Feb. 5, 1944. 280.8 V663

16335 \*KOLL, JOSEF. Der hofpate ist helfer; zusammenarbeiten gegen ein absinken der leistung! Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 375. July 3, 1943. 18 B34W

Help for the farm woman in managing the farm.

#### Youth

16336 CLINTON, I. L. Boys and girls employed in agricultural programs--1943. U. S. Children's Bur. The Child 8: 115-121. Feb. 1944. 158.2 C483

Review of emergency programs for employment of urban youth in agriculture.

16337 HEAD, W. W. Boy Scouts offer their aid to agriculture. Seed World 55(3): 12-13. Feb. 4, 1944. 61.8 Se52

Farm work by Boy Scouts.

16338 KNIGHT, F. B. Youth can give more on the farm labor front. U. S. Ext. Serv. Ext. Serv. Rev. 15(2): 21. Feb. 1944. 1 Ex892Ex

16339 \*KOLOBKOVA, E. Molodezh' - reshauishchaf sila v sovkhoeze [Young people - a decisive labor power in the state farm]. Sovkhoznoe Proizvodstvo 3 (10/11): 17-20. Oct./Nov. 1943. 20 So85

16340 \*L., F. Leistungswettstreit der jugend. Landesbauernschaft Niederschlesien. Wchnbl. 10: 593. Nov. 13, 1943. 18 Si3

Cooperation of farm youth in the production effort.

16341 \*STROBL, LORENZ. Tausend kinderhände voll blühen. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 374. July 3, 1943. 18 B34W

Work being done by school children in gathering herbs.

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

16342 ADAIR, WILLIAM. The nation's food policy; Labour Party adopts Sir John Orr's programme. Farming News and North Brit. Agr. 96(4): 3. Jan. 21, 1944. 10 N82

16343 ADAIR, WILLIAM. Retrospect and prospect; farmers' part in the war. Farming News and North Brit. Agr. 96(1): 21, 23. Jan. 1, 1944. 10 N82

16344 \*AKERS, B. H. Produce more in 44. Farmer 62(4): 1. Feb. 19, 1944. 6 F2211

Food production goals.

16345 \*\*ALLEN, W. H. Agriculture in the State of New Jersey. Americana 37(4): 654-717. Oct. 1943. Noted in Current Geog. Pubs. 7(1): 8, processed. Jan. 1944. 241.6 Am3

16346 ANKER, D. L. W. American agriculture at war. Okla. Agr. Expt. Sta. Current Farm Econ. 17(1): 15-19. Feb. 1944. 100 Ok4

16347 AROSTEGUY, A. J. Reforma agraria. Fed. Rural, Uruguay. Rev. (3ra epoca) 6(25): 113-114, 116-118. Oct. 1943. 9.9 R322

The livestock industry, rural population, and the land system.

16348 \*RACKE, HERBERT. Beispielhafte leistung der nationalsozialistischen agrar- und ernährungs-politik. Landesbauernschaft Niederschlesien. Wchnbl. 10: 534. Oct. 9, 1943. 18 Si3

Summary of the address.

16349 \*BOETTNER. Massnahmen zur leistungsteigerung der landwirtschaft in Serbien. Mitt. f. die Landw. 58: 777-778. 1943. 18 D48M

16350 BRESSMAN, E. N. Inter-American cooperation in agriculture. U. S. Dept. Com. Foreign Com. Weekly 14(4): 5-7, 19. Jan. 22, 1944. 157.54 F8

Agricultural development and research programs in Latin America.

16351 BRISEBOIS, E. L'agriculture dans le district No. 4 [Quebec]. Terre de Chez Nous 14, 1. e. 16(8): 13. Nov. 24, 1943. 7 T27

16352 CABEZA DE VACA, JESÚS. La agricultura nacional en breves lineas; dos interrogantes. Ceres [Spain] 4(41): 27. Nov. 1, 1939. 15 C33

Agricultural problems and suggested policy.

16353 CATÃO, D. D. Um oasis mal aproveitado. Observador Econ. e Financ. 8(92): 27-40. Sept. 1943. 280.8 Ob72

Agricultural conditions of and an agricultural policy for the Salitre oasis in the São Francisco Valley of Brazil.

16354 \*CAVERO, MIGUEL. Egipto y su agricultura. Surco [Madrid], No. 5, p. 14-17. July 1942. 15 Su7

16355 CHAVARRIA, R. A. An agricultural look at Costa Rica. Better Crops with Plant Food 28(1): 16-19, 38-39. Jan. 1944. 6 B46

Agriculture and its possibilities. Includes soil problems.

16356 CLAYTON, H. G. Farmers are winning this war. Fla. Grower 52(2): 8. Feb. 1944. 80 F6622

1944 food production goals and prospects in Florida

16357 COPELAND, E. W. Production of food, feed, fiber, featured in 1944 AAA [Agricultural Adjustment Agency] program. Ark. Farmer 46(2): 9. Feb. 1944. 6 Ar42

16358 DE LA WARR, LORD. British agriculture today and tomorrow. Weekly Market News and Mod. Farmer 22(5): 2. Feb. 2, 1944. 286.81 G762A

16359 \*DESMIREANU, V. The uniform and permanent regulation of agricultural production and compulsory delivery of agricultural products in Hungary. Internatl. Inst. Agr. Monthly Crop Rpt. and Agr. Statis. reprint from Internatl. Rev. Agr., 34: 158S-164S. Apr. 1943. 251 In8B

16360 FALCONER, J. I. Our job for 1944. Ohio Farmer 193(5): 5. Mar. 4, 1944. 6 Oh3

Agricultural production goals for Ohio.

16361 FREEMAN, C. J. Why production needs to be planned. Farm Dairy 30(27): 2. Mar. 3, 1944. 6 F2279

Agricultural programs and food management.

16362 GONI, RAMÓN. Nuestra tierra. Buenos Aires y la Pampa 7(70): 20. Oct. 1943. 9 B868

Productivity of Argentina.



- 16363 GUIMARÃES, LEAL. A margem do código rural do Uruguai. Rev. de Direito Agr. 1: 97-99. Mar. 31, 1943. 281.8 R323  
Uruguay's rural code and points that might be adopted in Brazil.
- 16364 GUTIÉRREZ PELÁEZ, HIGINIO. "No bastan las buenas intenciones." Economista [Mexico] 10(119): 39-40. Feb. 1, 1944. 280.9 Ec793  
Criticizes agricultural legislation.
- 16365 HECHT, J. S. Fallacies of "cheap" food. Farmer & Stock-Breeder 58: 145. Jan. 25, 1944. 10 F228  
The effect upon the farmer of a policy of giving the public food at low prices.
- 16366 \*HERGENRÖDER, ADOLF. Erzeugungsschlacht: rückblick und ausblick. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 566. Oct. 23, 1943. 18 B34W
- 16367 ITALY is nation of small farms. Co-op Grain Quart. 2(1): 29-32. Winter 1944. 280.28 C7898  
Description of Italian agriculture.
- 16368 JOHNSON, S. E. The why of the 1944 agricultural goals. U. S. Bur. Agr. Econ. Agr. Situation 28(2): 9-11. Feb. 1944. 1 Ec7Ag
- 16369 JONES, E. W. Impressions of American agriculture. Nation's Agr. 19(2): 10. Feb. 1944. 280.82 B89
- 16370 JONES, W. H. War-time farming in Pembroke-shire. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 503-508. Feb. 1944. 10 G79J
- 16371 KEITH, JAMES. Reflections on four years of war cultivations. Scot. Jour. Agr. 24: 200-205. Jan. 1944. 10 Sco82So  
Changes in agriculture brought about by the war and the effects of the food production campaign upon different types of farms.
- 16372 \*KLING, FRIEDRICH. Die ertragssteigerung eines betriebes in der kriegszeit. Mitt. f. die Landw. 58: 705-707. Aug. 28, 1943. 18 D48M
- 16373 \*KÖRNER, HELLMUT. Planmäßiger aufbau der ukrainischen landwirtschaft. Mitt. f. die Landw. 58: 712-714. Aug. 28, 1943. 18 D48M
- 16374 \*KRISTMUNDSSON, GUNNL. Bóndinn og bújörðin. Búnaðarfélag Íslands. Búnaðarrit 56: 60-78. 1943. 11 B88  
A brief history of agriculture in Iceland from the earliest settlers to the present time.
- 16375 LÉTOURNEAU, FIRMIN. Varennes agricole. Terre de Chez Nous 16(13): 6, 9; (14): 6; (15): 6, 20. Dec. 29, 1943; Jan. 5, 12, 1944. 7 T27  
Population, land, climate, and agriculture of Varennes, Quebec.
- 16376 \*LEYVA Y ANDÍA, JUAN DE. El Centro de Estudios de Derecho Agrario. Surco [Madrid] 2(13): 19-20. Mar. 1943. 15 Su7  
This Spanish organization studies the history of agricultural legislation and the field of foreign comparative law and prepares data for new legislation.
- 16377 MAC COLL, E. D. Reforma agraria. Diario Rural 4(343): 16. Jan. 1, 1944. 9.9 D54  
Considerations involved in the adoption of an agricultural program in Uruguay.
- 16378 MAC COLL, E. D. Réplicas a críticas injustas. Diario Rural 4(336): 16. Dec. 8, 1943. 9.9 D54  
Refutation of charges made in the press regarding Uruguayan agriculture.
- 16379 MCEWEN, W. H. Feeds - fertilizers - finance - fighting - farmers. Marit. Farmer 49(11): 7. Mar. 7, 1944. 7 C77  
A review of agricultural problems in Canada.
- 16380 MANSON, T. B. Canadian agriculture. Scot. Jour. Agr. 24: 195-200. Jan. 1944. 10 Sco82So  
Includes the crops produced.
- 16381 MARESCALCKI, ARTURO. La actividad agrícola en Italia. Ceres [Spain] 4(42): 38-39. Dec. 1, 1939. 15 C33  
Production goals and policy.
- 16382 \*MATA, MIGUEL DE. Tarragona agrícola. Surco [Madrid], No. 9, sup., p. 3, 5. Nov. 1942. 15 Su7  
The agriculture of Tarragona.
- 16383 MOULD, EDWIN. Round Roundbarrow Farm. Field 183: 123. Jan. 29, 1944. 10 F45  
Activities on the farm.
- 16384 MUNOZ, M. A. Informe acerca del Cantón de Poás, de la Provincia de Alajuela, en sus aspectos agrícola e industrial. II-III. Rev. de Agr. [Costa Rica] 15: 483-485, 487, 549-556. Nov., Dec. 1943. 8 Esl  
On the crops grown and a future policy for agriculture.
- 16385 MYERS, W. I. Looking back at 1943 and ahead at 1944 in New York agriculture. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3530-3531, 3536-3537. Feb. 1944. 280.3 C812
- 16386 OLARIAGA, NEMESIO DE. El campo y sus problemas. Buenos Aires y la Pampa 7(70): 14-16. Oct. 1943. 9 B868
- 16387 PALMEIRA, J. S. Código rural. Rev. de Direito Agr. 1: 100-103. Mar. 31, 1943. 281.8 R323  
Agricultural conditions in Brazil which make the setting up of a rural code a necessity.
- 16388 \*PERPIÑA, ROMÁN. Plantaciones de cafetos en Guinea. Surco [Madrid] 2(13): 5-6. Mar. 1943. 15 Su7  
The establishment of coffee plantations and factors affecting yield.
- 16389 \*PESCE, G. International chronicle of agriculture: Italy. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 34: 30E-34E. Jan. 1943. 280.29 In83  
Includes economic organization of agriculture, production programs, and pooling and distribution of foodstuffs.
- 16390 PLANTE, J.-A. L'agriculture dans les contées de Beauce et Frontenac. Terre de Chez Nous 16(13): 9. Dec. 29, 1943. 7 T27
- 16391 PLUMB, C. O. The future - - subsidy or efficiency. West. Farm Life, Herdsmen Ed. 46(3): 5. 7. Feb. 1, 1944. 6 R153  
The future of the small subsistence farmer.
- 16392 POWELL, J. S. Agriculture in Costa Rica. Pan Amer. Union. Amer. Agr. Ser. [3], 51 p. Washington, 1943. 150.9 Am33
- 16393 POWELL, J. S. Agriculture in the Dominican Republic. Pan Amer. Union. Amer. Agr. Ser. 2, 27 p., processed. Washington, 1943. 150.9 Am33
- 16394 RAMAMURTHI, S. V. Economic development of Rayalaseema. Madras Jour. Co-op. 35: 210-214. Nov. 1943. 280.28 M26  
Agricultural development.
- 16395 \*RAUPP. Ertragssteigerung durch grundstückszusammenlegung! Landnutzungstausch auf kriegsdauer. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 488A. Sept. 4, 1943. 18 B34W
- 16396 \*REINHARDT. Erzeugungsschlacht im Frankreich. Mitt. f. die Landw. 58: 535-537. July 3, 1943. 18 D48M  
Agricultural resources and possibilities in France.



16397 ROCA, BLAS. La Cuba mejor: en un capitalismo nacionalista. Rev. Nac. [Havana] 2(24): 17. Nov. 1943. 280.8 R3295

An economic program, including agriculture.

16398 ROSENFELD, MAXIMILIAN. Farming in Czechoslovakia. New Zeal. Farmer 64(23): 6-7. Jan. 13, 1944. 23 N484

16399 SAGUENAY, JEAN. Les problèmes d'après-guerre. Terre de Chez Nous 16(17): 9. Jan. 26, 1943. 7 T27

The fixing of a minimum price for agricultural products and rural electrification are needed to make farming attractive in Quebec.

16400 \*SÁNCHEZ DUARTE, JULIÁN. Europa entera dicta medidas para incrementar la producción. Surco [Madrid] 2(11): 20-21. Jan. 1943. 15 Su7

Measures for the control of agriculture.

16401 SCOTT, R. C. The work of District War Agricultural Committees. So. Austral. Dept. Agr. Jour. 47: 3-5. Aug. 1943. 23 So84

16402 SCOTTISH agriculture in war time. Scot. Jour. Agr. 24: 206-220. Jan. 1944. 10 Sco82So

16403 SEACREST, J. W. Agriculture in South America. Pan American 4(8): 7-8. Jan. 1944. 280.8 P192

16404 SKILLMAN, E. E. Food production in Malta G. C. during the 1942 siege. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 481-487. Feb. 1944. 10 G79J

16405 SKYBERG, H. F. How can the farmer meet 1944 production goals? Minn. Seed Grower 19(7): 1, 4. Feb. 1944. 61.8 M66

16406 \*SNELLER, Z. W. Het tweeledig karakter van den Nederlandschen landbouw. De Fransche tijd. Econ. Statis. Ber. 28: 237-239. July 1943. 280.8 Ec722

16407 \*SNELLER, Z. W. Het tweeledig karakter van den Nederlandschen landbouw. De nieuwe tijd. Econ. Statis. Ber. 28: 250-251. Aug. 11, 1943. 280.8 Ec722

Agriculture in the Netherlands in the nineteenth and twentieth centuries.

16408 SOSA, R. R. Enmiendas al código rural por la Sociedad Rural de Rio Negro. Fed. Rural, Uruguay Rev. (3ra epoca) 6(25): 42-44, 46-47. Oct. 1943. 9.9 R322

16409 STRONG, A. L. Soviet farms wage war. Soviet Russia Today 12(11): 12-14, 34. Mar. 1944. 280.8 So89

16410 \*SVENSSON, HEINZ. Norwegens beitrag zur europäischen erzeugungsschlacht. Mitt. f. die Landw. 58: 557-558. July 10, 1943. 18 D48M

Agricultural resources in Norway.

16411 TRUDEL, FRÉDÉRIC. Les cultures spéciales du district agronomique numéro quatre [Quebec]. Terre de Chez Nous 14, 1. e. 16(10): 17. Dec. 8, 1943. 7 T27

16412 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b.). O neotlozhnykh merakh po vosstanovleniu khoziaistva v raionakh, osvobodivshiesia ot nemetskoi okkupatsii [Concerning imperative measures of reconstruction in the liberated regions]. Sovkhoznoe Proizvodstvo 3(8): 5-26. Aug. 1943. 20 So85

16413 \*U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP (b.). Ob uborkе urozhaiа i zagotovkakh sel'skokhoziaistvennykh produktov v 1943 g. [Concerning the harvest and the preparation of agricultural products in 1943]. Sovkhoznoe Proizvodstvo 3(6/7): 1-10. June/July, 1943. 20 So85

16414 VÁLDES DE LA PAZ, OSVALDO. Una clase esclava: la del irredento campesino. Rev. Nac. [Havana] 2(21): 23. Aug. 1943. 280.8 R3295

Cuban agricultural problems.

16415 \*VALMAÑA DE LEDESMA, J. M. Unas palabras sobre economía agraria. Surco [Madrid], No. 8, p. 4. Oct. 1942. 15 Su7

Problems of Spanish agriculture.

16416 \*\*VOLIN, LAZAR. German invasion and Russian agriculture. Russian Rev. 3(1): 75-88. Autumn 1943.

Noted in Current Geog. Pubs. 7(1): 16, processed. Jan. 1944. 241.6 Am3

16417 WATSON, J. A. S. American notes. Scot. Jour. Agr. 24: 182-190. Jan. 1944. 10 Sco82So

A survey of agriculture in the United States.

16418 WATSON, J. A. S. Canadian farming in wartime. Roy. Soc. England. Jour. 104: 171-176. 1943. 10 R81

A survey of problems and policies.

16419 WERNICKE, F. R. I. Algunas observaciones sobre el estado actual de la agricultura peruana. (To be cont.) Buenos Aires, Argentina. Bolsa de Cereales. Rev. 31(1630): 34-36. Dec. 27, 1943. 287 B866

On the crops produced.

16420 WILKSCH, H. Controlling the primary production gamble. So. Austral. Dept. Agr. Jour. 47: 226-228. Dec. 1943. 23 So84

Production controls in agriculture.

16421 WILLKIE, W. L. "We must go forward!" Successful Farming 42(3): 19, 48, 50. Mar. 1944. 6 Sul2

Views on agriculture.

#### Agriculture, Post-War

16422 BARTLETT, VERNON. British farms must give us freedom from want. Dairy Farmer 17(2): 7-8. Feb. 1944. 44.8 D1414

16423 BEAUMONT, J. H. Our post-war agriculture in Hawaii. Hawaii Farm and Home 7(2): 5. Feb. 1944. 25 H3191

16424 BRANDT, JOHN. Brandt proposes self-help post-war agricultural plan. Pt. I. Markets 12(2): 1, 5. Feb. 24, 1944. 280.38 M343

16425 BRITAIN looks ahead. Brit. Inform. Serv. Brit. Off. Statements, v. 3, Sept. 1942 to Sept. 1943, 174 p. N. Y., 1944? 280.9 B773

Statements on post-war planning, including agriculture and food supply and distribution.

16426 CHALMERS, F. S. "Canada, a new market." Canad. Grocer 58(4): 9, 26. Feb. 15, 1944. 286.83 C162

Includes post-war agriculture in Canada.

16427 FLETCHER, S. W. A look at Pennsylvania agriculture in post war period. Pa. Grange News 40(11): 1, 4. Feb. 1944. 6 P38

Excerpts from an address.

16428 FRANKLIN, R. T. British farming after the war. New Zealand Dairy Exporter 19(5): 4-6. Jan. 1, 1944. 44.8 N484

16429 LLOYD, E. W. Post-war farming problems. Field 183: 154. Feb. 5, 1944. 10 F45

16430 MCCOLL, E. L. Post-war plans for agriculture in Northern Ireland. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 168-170. Feb. 26, 1944. 286.8 C16

16431 PATTON, J. G. Full production and employment in agriculture. Okla. Union Farmer 25(3): 2. Feb. 15, 1944. 280.28 Ok4

Post-war policy and program for agriculture in the United States.

Also in Farmers Defender 3(2): 8-9. Feb.-Mar. 1944. 280.28 F227



- 16432 REID, DAVID. Linch-pins of post-war farm efficiency. *Farmer & Stock-Breeder* 58: 229. Feb. 8, 1944. 10 F228
- 16433 RHEE, H. A. Policies for post-war agriculture. *Farm Econ.* 4: 69-83. Apr./Sept. 1943. 281.8 F223

Summarizes the results of eighteen programs issued by various bodies and interests in Great Britain.

- 16434 RUSSELL, SIR E. J. Agriculture in Europe after the war: What can we do? *Roy. Soc. England. Jour.* 104: 151-164. 1943. 10 R81

- 16435 SELIGMAN, DOUGLAS. Post-war careers in agriculture. *Country Life* [London] 95: 204-205. Feb. 4, 1944. 80 C83

- 16436 SOUTHERN N. B. DISTRICT FARMERS' ASSOCIATION. Southern N. B. Farmers' Assn. brief. *Marit. Farmer* 49(11): 9. Mar. 7, 1944. 7 C77

Brief on agriculture presented to the New Brunswick Committee on Post-war Reconstruction, Nov. 3, 1943.

- 16437 WICKARD, C. R. Agriculture must make its own pattern for the new world of tomorrow. *Co-op Grain Quart.* 2(1): 2-7. Winter 1944. 280.28 C7898

- 16438 YOUNG, H. M. Post-war agriculture. *Va. Polytech. Inst., Ext. Div., Ext. Div. News* 26(4): 4, 5, 6. Feb. 1944. 275.29 V81E

#### Subsidies

- 16439 BISSON, J. E. Pour assurer le paiement des primes fédérales aux producteurs. *Terre de Chez Nous* 16(18): 23. Feb. 2, 1944. 7 T27

Precautions to take in order to obtain Canadian hog production subsidies.

- 16440 BRANDT, JOHN. Subsidies, or a fair price and freedom of enterprise. *Twin City Milk Prod. Bul.* 27(12): 21-25. Dec. 1943. 44.8 T92

- 16441 A FLOUR subsidy for bakers' bread. *Co-op Grain Quart.* 2(1): 55-57. Winter 1944. 280.28 C7898

- 16442 HAYWARD, E. G. Where will Federal subsidies lead? *N. Mex. Stockman* 9(2): 16. Feb. 1944. 49 N462

- 16443 KLEBERG, R. M. Subsidies; stop, look, and listen. *Vital Speeches* 10: 266-269. Feb. 15, 1944. 280.8 V83

- 16444 MONTGOMERY, DONALD. Subsidy ammunition. *Ammunition* 1(6): 24-25. Sept. 1943. 283.5 Am6

Arguments for consumer subsidies.

- 16445 O'NEAL, E. A. The subsidy issue. *Nation's Agr.* 19(3): 7; 18-19. Mar. 1944. 280.82 B89

- 16446 PARK, R. H. Subsidies simplified. *Farm Jour.* 68(3): 19. Mar. 1944. 6 F2212

- 16447 PEARSON, F. A., and MEYERS, W. I. A case against subsidies. *Northwest. Miller* 217(8): 6, 37, 41. Feb. 23, 1944. 298.8 N81

Subsidies as a means of price and inflation control.

- 16448 PEARSON, F. A., and MYERS, W. I. Subsidizing price advances. *N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3558-3560.* Feb. 1944. 280.8 C812

- 16449 SHEFRIN, FRANK. Agricultural policy: subsidies and bonuses 1943. *Econ. Annal.* 14(1): 4-8. Feb. 1944. 280.8 Ec75

Includes subsidies for crop and dairy product production in Canada.

- 16450 WYSOR, W. G. The case against subsidies. *Crowley's Prod. Bul.* 9(8): 3. Feb. 1944. 280.28 C88

Opposes subsidies as a means of price control.

- Also in *Nation's Agr.* 19(2): 11, 17. Feb. 1944. 280.82 B89

- 16451 \*ZWEIGLER, O. Wieder milchleistungsprämie für die ablieferung 1943! *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 567. Oct. 23, 1943. 18 B34W

#### COST AND STANDARD OF LIVING

- 16452 HARPER, F. A., and CURTISS, W. M. United States level of living rises during war. *N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3547-3549.* Feb. 1944. 280.8 C812

- 16453 \*MARINA MARTÍN, M. Elevación de la vida campesina; un ensayo alentador. *Surco* [Madrid] 2(14): 23, 25. Apr. 1943. 15 Su7

#### FARM MANAGEMENT AND LAND ECONOMICS

- 16454 ADAMS, W. G. S. The social consequences of agriculture. (To be cont.) *Scot. Jour. Agr.* 24: 177-182. Jan. 1944. 10 Sc828o

Brings out the problem of making the family farm more efficient, socially and economically, in the rural community.

- 16455 ARANGO, RODOLFO. Empresas agrícolas: la necesidad del técnico. *Rev. Nac. [Havana]* 2(22): 21. Sept. 1943. 280.8 R3293

The importance of obtaining experts to advise in farm problems.

- 16456 BIERLY, I. R. Fill those empty stalls. *[N. Y.] Greene Co. Farm Bur. News* 27(6): 3. Feb. 1944. 275.293 N. Y., Greene Co.

Efficient farm management for the purpose of saving time and energy.

- Also in *[N. Y.] Allegany County Farm and Home Bur. News* 32(2): 8. Feb. 1944. 275.293 N. Y., Allegany Co.

- 16457 \*DÖNHOF, G. Methodik und technik der wirtschaftsberatung. *Mitt. f. die Landw.* 58: 871-873. Oct. 23, 1943. 18 D48M

- 16458 FINN, HUGH. Live stock in fruit and vegetable growing. *Farmer & Stock-Breeder* 58: 186. Feb. 1, 1944. 10 F228

Coordination of different types of farming in order to avoid waste in byproducts.

- 16459 GORDON, DOUGLAS. Hill farming in the west country. *Field* 183: 164-165. Feb. 12, 1944. 10 F45

Includes labor and profits.

- 16460 GREEN, H. B. Where live stock rank second to seeds. *Farmer & Stock-Breeder* 57: 2030. Dec. 28, 1943. 10 F228

Management of a farm which is run with a minimum of stock.

- 16461 HARDIN, L. S. How farmers in less productive rural areas can earn a better living. *N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3554-3556.* Feb. 1944. 280.8 C812

Suggestions on farm management and practices.

- 16462 \*KÖSTLIN, and GEYER. Der landwirtschaftliche betriebsvergleich. *Mitt. f. die Landw.* 58: 874-877. Oct. 23, 1943. 18 D48M

- 16463 LAWSON, HUGH. The lesson of Skipton. *Dairy Farmer* 17(2): 9, 13. Feb. 1944. 44.8 D1414

Land policies of Common Wealth, in Great Britain.

- 16464 \*LÖHR, LUDWIG. Kontrolle und steigerung der landwirtschaftlichen erzeugung durch gemeindeweisen betriebsvergleich. *Mitt. f. die Landw.* 58: 651-655. Aug. 14, 1943. 18 D48M

- 16465 LOUI, DELLA. Managing your farm: This farm was a lemon, but science sweetened it up. *Prairie Farmer* 116(5): 8, 31. Mar. 4, 1944. 6 P883B

Successful management and application of agricultural science on the Forehand Farm, in Wisconsin.

- 16466 LOUI, DELLA. Managing your farm; what do you want? *Prairie Farmer* 116(4): 12, 38. Feb. 19, 1944. 6 P883B

Two examples of successful farmers.



16467 MARTÍNEZ SÁENZ, JOAQUÍN. Catastro: nuevo guión de la economía cubana. Rev. Nac. [Habana] 3(27): 5-6. Feb. 1944. 280.8 R3295

The function of the cadaster.

16468 MAUNEY, ROSS. Agriculture expert gives sound advice to farmers. Mid-South Cotton News 2(28): 1. Feb. 1944. 72.8 C8295

Suggestions on farm practices and management.

16469 MINN. UNIVERSITY. DIVISION OF AGRICULTURAL ECONOMICS. Summary report of the Southeastern Minnesota Farm Management Service, 1940-1942. Minn. Univ. Div. Agr. Econ. Mimeog. Rpt. 141, 28 p. St. Paul, 1943. 281.9 M66

U. S. Bureau of Agricultural Economics and various Minnesota county extension services cooperating.

16470 MINN. UNIVERSITY. DIVISION OF AGRICULTURAL ECONOMICS. Summary report of the Southwestern Minnesota Farm Management Service, 1940-1942. Minn. Univ. Div. Agr. Econ. Mimeog. Rpt. 142, 32 p. St. Paul, 1943. 281.9 M66

U. S. Bureau of Agricultural Economics and various Minnesota county extension services cooperating.

16471 MORSE, T. D. Make adjustments now. Nation's Agr. 19(3): 5, 17. Mar. 1944. 280.82 B89

Suggested adjustments in farm management.

16472 MOSTERT, J. F. T. Warnings for the farming novice. Farmer's Weekly [Bloemfontein] 66: 694-695. Dec. 29, 1943. 24 F225

Farming as an occupation and hints at farm management.

16473 \*PLÄNCKNER, VON. Die reichslandbetriebe in den eingegliederten ostgebieten. Mitt. f. die Landw. 58: 663-664. Aug. 14, 1943. 18 D48M

16474 RAUCH, HARRY. Call for C. F. Farmers Digest 7(10): 23-26. Mar. 1944. 6 F2206

C. F. Seabrook and his Seabrook Farms in southern New Jersey, largest mechanized industrial farm in the United States.

16475 RIOUX, ALBERT. Les ennemis de l'épargne. Terre de Chez Nous 16(6): 16, 23. Nov. 16, 1943. 7 T27

Includes the subject of farmers' savings.

16476 RUMLER, R. H. The Snyders' way with farming. Successful Farming 42(3): 6, 61. Mar. 1944. 6 Sul2

Management of a dairy farm.

16477 \*RYSER, WALTER. Selbstversorgung mit marktproduktion speziell von milch im schweizerischen berggebiet. Schweiz. Milchztg. 69: 318. Sept. 3, 1943. 44.8 Sch92

Factors influencing production for self-sufficiency on farms producing milk for market, including size of farm, and production management.

16478 \*SCHÖNFELDT, HANS. Aufbauarbeit auf einem Reichslandbetrieb im Warthegau. Mitt. f. die Landw. 58: 861-862. Oct. 16, 1943. 18 D48M

Plan of reconstruction and management of a Warthegau farm, 1939-1943.

16479 \*SCHRODER. Ein vollmechanisierter betrieb in der kriegsprüfung. Mitt. f. die Landw. 58: 945-946. Nov. 13, 1943. 18 D48M

Management of an estate in Germany.

16480 SMITH, J. A. Good cows set record in coal country. South. Planter 105(2): 6, 19. Feb. 1944. 6 So89

Management of dairy farm in Carbon County, Pa.

16481 \*SOARES-ZILHAO, J. A carta da Colónia; seu progresso e estado actual. Moçambique 7(26): 73-124. June 1941. 110 M71

Includes cadastral surveys made in Mozambique.

16482 TENENBAUM, J. L. Concepto funcional sobre diversificación en la producción agrícola bajo su aspecto económico; los modos de producir en la industria y en la agricultura. Inst. Agr. Argentino. Reseñas 3(19): 43-50. 1943. 281.9 B862

16483 WARREN, S. W. Father and son arrangements on the farm; a summary of the experiences on 22 New York farms. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 456, rev., 18 p., processed. Ithaca, 1943. 281.9 C81

16484 WRIGHT, K. T. Farm management in wartime. Mich. Milk Messenger 25(10): 4-5. Feb. 1944. 44.8 M582

#### Cost of Production

16485 BAKER, RALPH, and WHITFIELD, W. R. Will poultry pay in '44? Iowa Farm Econ. 10(1-2): 16-17. Jan.-Feb. 1944. 275.28 Io92

Costs and returns in producing poultry and eggs.

16486 BERUBE, BERNARD. Le coût de revient des produits agricoles. Terre de Chez Nous 16(5): 2. Nov. 3, 1943. 7 T27

Difficulties in determining production costs in a country as large as Canada.

16487 BIRCHLY, I. R. Factors affecting costs and returns in producing milk—labor efficiency. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3544-3546. Feb. 1944. 280.8 C812

16488 BLANCHET, JEAN. Élevons des veaux de lait. Terre de Chez Nous 16(20): 7. Feb. 16, 1944. 7 T27

Profits in raising milk-fed veal.

16489 CUNNINGHAM, L. C. Costs and returns in producing milk in four areas of New York, 1942-43. N. Y. Agr. Col. (Cornell) Farm Econ., No. 139, p. 3542-3543. Feb. 1944. 280.8 C812

16490 DOVECEA, J. M. Colaboración: Carne, alcohol, caramelos, maíz. Rev. Nac. [Habana] 3(26): 15. Jan. 1944. 280.8 R3295

Financial aspects of production.

16491 FERGUSON, D. B. Costs and returns in growing and harvesting canning factory peas. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 454, 21 p., processed. Ithaca, 1943. 281.9 C81

16492 FERGUSON, D. B. Costs and returns in growing and harvesting canning factory snap beans. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 453, 19 p., processed. Ithaca, 1943. 281.9 C81

16493 KUMPE, J. O. Poultry production will cost more. Ark. Farmer 46(1): 17. Jan. 1944. 6 Ar42

16494 LEGGITT, F. C. "How are my [cost accounting] figures?" Ask managers of retail [ice cream] stores of Barber Brothers and Legitt. Ice Cream Rev. 27(7): 28, 30. Feb. 1944. 389.8 Ic22

16495 MILES, G. A. What can broiler grower do about production costs. Peninsula Broiler Jour. 3(19): 1. Feb. 7, 1944. 47.8 P37

16496 VALDIVIESO, J. L. P. Pellejas Sugar Cane Plantation. Sugar Jour. 6(7): 11-13, 20-24. Dec. 1943. 65.8 Su391

Statement of income and costs of operation, submitted in public hearings on wage determination and sugar mill practices, held in Atheneo, Puerto Rico, Nov. 1943.

16497 WEBER, K. C. Cost of production principles given comparison with parity theories. Farmers Guild News 2(11): 4. Feb. 1944. 281.8 F228

#### Farm Bookkeeping and Records

16498 DEGRAFF, H. F., and STONE, GENEVIEVE. Individual factors and annual averages from farm cost accounts, 70 farms (New York State, — 1942. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. A. E. 460, 33 p., processed. Ithaca, 1943. 281.9 C81

16499 \*GEITH. Aufgaben der buchführung im bäuerlichen betrieb. Mitt. f. die Landw. 58: 565. July 10, 1943. 18 D48M



16500 KLEVAY, L. M. He knew what he was doing. Amer. Poultry Jour., Mar. 1944, p. 6, 32-33. 47.8 Am32

Accurate records of production, costs, and profits, enable J. S. Corpe, of Colfax, Ill., to manage his poultry flock efficiently.

16501 \*NEDELIN, S. Uprostit' uchët i otchetnost' v sovkhosakh [Simplified accounting in the state farms]. Sovkhoznoe Proizvodstvo 3(9): 20-22. Sept. 1943. 20 So85

#### Farms - Number and Size

16502 \*TCHERKINSKY, M. The economic importance of the various size groups of farms in European agriculture. Internat. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internat. Rev. Agr.] 34: 1E-30E, 47E-70E. Jan.-Feb. 1943. 280.29 In83

#### Land Settlement and Colonization

16503 AUSTRALIAN DRIED FRUITS ASSOCIATION. An analysis of the economics of the Australian dried fruits industry. Austral. Dried Fruits News 20(4): 12-15. Dec. 1943. 286.83 Au72

Statement prepared by Peter Malloch.

Includes possibilities of expansion of the industry for soldier settlement.

16504 BAVAJ, A. Un nuevo centro de "bonifica" italiana en Cerdeña: Fertilia. Ceres [Spain] 5(46): 29. Apr. 1, 1940. 15 C33

Plan and construction of the settlement.

16505 BOILY, STÉPHANE. Établissement rural des soldats (Loi agraire de 1942 pour les anciens combattants). Terre de Chez Nous 16(21): 6. Feb. 23, 1944. 7 T27

16506 CHOUINARD, LAURENT. Vaillants pionniers. Rev. d'Oka 18(1): 29-32. Jan./Feb. 1944. 7 Ok1

Settlement history in Viger Canton in Quebec.

16507 \*COSTANZO, G. The small holding: its creation and problems. Internat. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internat. Rev. Agr.] 34: 81E-115E. Mar. 1943. 280.29 In83

16508 COUTURE, C. E. Retour à la terre ou maintien au sol. Terre de Chez Nous 16(18): 15, 20. Feb. 2, 1944. 7 T27

Urges the taking of steps to keep the people on the land in Quebec rather than attempts at settlement of those who have left it.

16509 COUTURE, C. E. L'urgence de préparer l'après-guerre. Terre de Chez Nous 16(18): 10. Feb. 2, 1944. 7 T27

Resources and land available for settlement by veterans in Canada, and the numbers of people likely to want to farm.

16510 DUGUÉ, ALEXANDRE. Défaites en gros, victoires en détail. Terre de Chez Nous 14, i. e. 16 (8): 3. Nov. 24, 1943. 7 T27

Mistakes in settlement policy in Quebec.

16511 GÁNDARA, F. W. El problema agrario colonizador argentino: La educación colonizadora argentina; el crédito personal. El cooperativismo integral y el intercambio. Inst. Agr. Argentino. Reseñas 3(19): 30-36. 1943. 281.9 B862

16512 GRIFFITHS, C. G. Farms for soldiers. New Zeal. Dairy Exporter 19(6): 14-15. Feb. 1, 1944. 44.8 N484

Suggestions for veteran settlement.

16513 MAIR, ALEX. Pitfalls to avoid in planning for successful settlement on land [in Australia]. Farmer and Settler 37(47): 6. Dec. 22, 1943. 23 F226

16514 ROY, J. B. Plan d'établissement rural des soldats. Bul. des Agr. 40(2): 13-14. Feb. 1944. 7 B872

Canada's plans for soldier settlement.

16515 SMATHERS, EUGENE. Calvary Church Homestead Project, Big Lick, Tennessee. Mountain Life and Work 20(1): 4-6. Winter 1944. 281.28 M86

#### Land Tenure

16516 DIAS, J. DE D. DE O. Fatores a considerar na aquisição de uma propriedade. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(1): 80-84. Mar. 1943. 9.2 P432

16517 DONHAM, R. A. Here's a \$64 question: Who is biggest land owner in Indiana? Ind. Farmers Guide 100(5): 23. Mar. 1, 1944. 6 In2

Public lands of Indiana.

16518 \*HW. Von der schattenseite der bodenfreiheit. Schweiz. Bauernztg. 43: 40. Oct. 1943. 280.28 Sch93

Shows changes in ownership of a farm in Switzerland 1820 to 1923 and the prices at which it was sold.

16519 JOHNSON, R. R. This 50-50 farm, lease works. Farm Jour. 68(3): 26, 28. Mar. 1944. 6 F2212

Landlord-tenant relationship.

16520 MADERO, EMILIO. Más iniciativas de leyes. Economista [Mexico] 10(119): 35-36. Feb. 1, 1944. 280.8 Ec793

Legislation on tenure of the small farm.

16521 \*MENCHÉN BENÍTEZ, BARTOLOMÉ. El derecho de retracto en el arrendamiento de fincas rústicas. Surco [Madrid] 2(19): 40-41. Sept. 1943. 15 Su7

16522 \*MEYER i. d. STROTH. Fortbildung des erbhofrechts. Landesbauernschaft Bayern. Wchnbl. Aug. A 133: 554-555. Oct. 16, 1943. 18 B34W

New changes in the German land inheritance law which were published in the Reichsgesetzblatt of Oct. 1, 1943.

16523 \*MEYER i. d. STROTH. Vereinfachungen im erbhofverfahren. Landesbauernschaft Niederschlesien. Wchnbl. 10: 367. July 3, 1943. 18 S13

Wartime changes in the German land inheritance law.

16524 PUGA, CÉSAR DE. La reforma agraria: su ocasión mejor, ahora. Rev. Nac. [Havana] 2(21): 15. Aug. 1943. 280.8 R3295

Steps being taken toward an agrarian reform in Cuba. A plan has been submitted which includes division of State lands and resale to farmers, with facilities for payment.

16525 \*SAUER, ERNST. Fortbildung des erbhofrechts. Mitt. f. die Landw. 58: 859-860, 885-886. Oct. 16, 23, 1943. 18 D48M

16526 SPENCE, C. C. The farm lease. Fron. Annal. 14(1): 20-23. Feb. 1944. 280.8 Ec75

16527 \*SZOGS, H. G. Die wiederherstellung des privateigentums im Ostland. Ostwirtschaft 32: 49-51. Apr./May 1943. 280.8 Os7

Restoration of private ownership of property in Ostland.

#### Land Utilization

16528 CROWELL, R. E. The integration of national-forest and county planning in Alcona County, Michigan. Mich. Acad. Sci., Arts, and Letters. Papers (1942) 28: 235-239. 1943. 500 M582

16529 \*DEGRULLY, P. Terres abandonnées et moyens d'exploitation. Prog. Agr. et Vitic. 120: 3-5. July 4/11, 1943. 14 P94

Regulations concerning abandoned and uncultivated lands through a law of February 19, 1943, in France.

16530 HAYDEN, C. A. Less powder, more seed, feed and fertilizers bought by the F. I.'s [Farmers' Institutes]. Less land cleared and more intensive cultivation practised when 8,474 men leave 9,500 B. C. farms. Country Life [Brit. Columbia] 28(2): 11. Feb. 1944. 7 C832



16531 JOHNSTON, W. W. Classification of irrigable lands. Amer. Soc. Civ. Engin. Trans. (1943) 108: 656-671. 290.9 Am3

Discussion, by R. E. Storie, W. W. Weir, W. L. Powers, and W. W. Johnston, p. 672-676.

16532 KELLY, D. K. A county tax map made from aerial photographs. Pub. Works 75(2): 18-20. Feb. 1944. 290.8 M922

Map of Leflore County, Miss., showing types and utilization of land.

16533 \*STEINTHÖRSSON, STEINGR. Hugleiðingar um nýbýlamálið. Búnaðarfélag Íslands. Búnaðarrit 56: 5-38. 1943. 11 B88

Development and use of new land in Iceland.

16534 WALSTER, H. L. The Great Plains makes ideas work. Co-op Grain Quart. 2(1): 46-52. Winter 1944. 280.28 C7898

Agricultural and land-use potentialities of the Great Plains.

#### Land Values and Valuation

16535 BENTLEY, R. C., and MURRAY, W. G. Big rise in Iowa land prices. Iowa Farm Econ. 10(1-2): 10-11. Jan.-Feb. 1944. 275.28 I92

16536 BROWN, F. T. Sold!--to the highest bidder. Iowa Farm Econ. 10(1-2): 12-14. Jan.-Feb. 1944. 275.28 I92

Farm auction sales.

16537 COKE, J. Another land boom? Econ. Annal. 14(1): 12-14. Feb. 1944. 280.8 Ec75

Price trends of agricultural land in Canada.

16538 COLLINS, H. G. "Productivity in relation to the valuation of country lands." Valuer 8(1): 26-30. Jan. 1, 1944. 282.8 V24

16539 LAPLANTE, RODOLPHE. Pour prévenir le choc en retour. Bul. des Agr. 40(2): 32. Feb. 1944. 7 B872

On the wartime land boom.

16540 LISSNER, WILL. The boom in farm land values. Amer. Jour. Econ. and Sociol. 3: 238. Jan. 1944. 280.8 Am393

16541 MOORE, H. R. Some trends in the farm real estate situation. Ohio. Agr. Expt. Sta. Bimo. Bul. 29(226): 74-76. Jan.-Feb. 1944. 100 Oh3S

Based on a study of land transfers and prices in three sample counties in Ohio.

16542 NELSON, L. I. Are we headed for trouble again? Com. West 87(8): 11-12. Feb. 19, 1944. 286.8 C733

Growing inflation in land prices, and its dangers.

#### POPULATION

16543 BLANCHET, JEAN. Nos paroisses rurales à l'oeuvre: St-Luc de Matane. Terre de Chez Nous 16(15): 7, 20. Jan. 12, 1943. 7 T27

Population and agriculture.

16544 \*BÖCKER, HUGO. The decline of the population occupied in agriculture, its causes and its economic and social effects. Internatl. Inst. Agr. Monthly Bul. Agr. Econ. and Sociol. [reprint from Internatl. Rev. Agr.] 33: 365E-426E. Dec. 1942. 280.29 In83

16545 COKE, J., and SHEFRIN, F. From 86.9 p. c. on land in Canada in 1851, decrease to 27.5 p. c. is registered in 1941. British Columbia is most urbanized province with only 13 percent on farms. Country Life [Brit. Columbia] 28(2): 9. Feb. 1944. 7 C832

16546 \*GAY, VICENTE. El problema fundamental del campo. Surco [Madrid], No. 7, p. 17-19. Sept. 1942. 15 Su7

The problem of the rural exodus and importance of the rural population.

16547 \*RICO, PEDRO. El ciclo económico en la explotación del agro. Surco [Madrid] 2(14): 2-3. Apr. 1943. 15 Su7

The problem of the rural exodus in Spain.

16548 "SUASI." La descongestión de las urbes. Ceres [Spain] 5(46): 15. Apr. 1, 1940. 15 C33

Improvement of rural living conditions as a means of counteracting the rural exodus.

16549 VIDAL, BRAULIO. La descongestión de la urbe. Ceres [Spain] 5(45): 17-18. Mar. 1, 1940. 15 C33

The problem of the rural exodus.

16550 WARNECKE, GEORGE. America's internal migration may have lesson for Australia. Farmer and Settler 37(47): 6. Dec. 22, 1943. 23 F226

On the population drift from cities to small towns and the farm boom.

#### RURAL SOCIAL ORGANIZATION

16551 DAWBER, M. A. A new day for the mountains. Mountain Life and Work 20(1): 9-13. Winter 1944. 281.28 M86

The land and economic problems of the mountain areas, with suggestions for educating the people to move to other regions which will give them a living and for improving the agriculture of those that remain.

16552 \*DEGRULLY, P. Le vrai rôle du "chef de terre." Prog. Agr. et Vitic. 120: 81-83. Sept. 5, 1943. 14 P94

Function and importance of the farmer.

16553 HATCH, SPENCER. Rural reconstruction in Mexico: self-help method for all-round rural development. Appl. Anthropol. 2(4): 17-21. July-Sept. 1943. 280.8 Ap5

16554 HOOPER, OFELIA. Possibilities for improvement of economic and social conditions among rural Panamanians. Appl. Anthropol. 2(4): 4-10. July-Sept. 1943. 280.8 Ap5

16555 LANDIS, B. Y. The farm and the public interest. Woman's Press 38(3): 119. Mar. 1944. 110 W84

Need for improvement of social conditions on farms.

16556 MCCLUSKY, H. Y. Give rural youth a chance. Nation's Agr. 19(2): 4, 16, 17. Feb. 1944. 280.82 B89

Notes the need for vocational guidance, greater opportunity for farm ownership, and social recreation.

16557 REUTHER, R. B. What is essential to be a successful farmer? So. Austral. Dept. Agr. Jour. 47: 229-230. Dec. 1943. 23 So84

16558 \*ROEMER, K. H. Die selbstverantwortlichkeit des betriebsführers. Landesbauernschaft Sachsen. Wchnbl. 91: 341. July 31, 1943. 18 Sal

The farmer's duty as a producer and consumer.

16559 TORRES GÓMEZ, D. P. Readaptación del liberado por su incorporación al medio rural. Inst. Agr. Argentino. Reseñas 3(19): 17-23. 1943. 281.9 B862

Rehabilitation of paroled prisoners on the farm.

16560 TOWNER, J. J. La sociologie rurale. Rev. d'Oka 18(1): 33-34. Jan./Feb. 1944. 7 Okl

Theory of rural sociology.

#### Institutions

16561 ARANGO ARANGUREN, J. C. ¡Conquistemos las tierras! Labor 3(54): 2. Jan. 30, 1944. 8 L11

Function of the rural school in Cuba.

16562 BARCO, G. F. Fomento de los clubes avícolas. Pampa Argentina 17(196): 1-2. Dec. 1943. 9 P19



- 16563 BELLINGRATH, G. C. The farm settlement of the Rabun Gap-Nacoochee School. *Mountain Life and Work* 20(1): 7-8. Winter 1944. 281.28 M86  
Describes a program under which each family is given a farm to work in connection with the course of study.
- 16564 CLARK, J. M. An inter-American pattern for war-area rehabilitation. *Amer. Jour. Econ. and Sociol.* 3: 217-224. Jan. 1944. 280.8 Am393  
General and agricultural rehabilitation work in El Oro Province, on the south coast of Ecuador.
- 16565 DAIL, H. M. 4-H clubs mobilize. *Mo. Ruralist* 85(4): 1, 9. Feb. 26, 1944. 6 R8891  
Varied activities of clubs in Missouri.
- 16566 DAMPIER, SIR W. C. D. Agricultural education. *Roy. Soc. England. Jour.* 104: 177-190. 1943. 10 R81  
Reviews the Luxmoore Report.
- 16567 \*DEGRULLY, P. L'organisation par l'État de l'enseignement agricole supérieur en France. *Prog. Agr. et Vitic.* 120: 197-200. Nov. 7/14, 1943. 14 P94
- 16568 DEMING, DOROTHY. Minnesota plans for rural nursing service. *Amer. Jour. Nursing* 44: 147-150. Feb. 1944. 448.8 Am323
- 16569 DURLAND Y NIETO, A. Las exposiciones. *Agr. Mod. [Habana]* 1(2): 18-19, 24. July 1943. 8 Ag882  
Lists the agricultural expositions held in Cuba since 1843.
- 16570 FOMENTO de la enseñanza rural. Buenos Aires y la Pampa 7(70): 18-19. Oct. 1943. 9 B868  
Ideas on rural education expressed in the various conventions of the Confederación de Asociaciones Rurales de Buenos Aires y la Pampa.
- 16571 GIBBINGS, MRS. A. W. Reform in rural education [in Western Australia]. *Primary Prod. [Perth, W. Austral.]* 28(51): 5. Dec. 23, 1943. 23 P932
- 16572 GILL, J. A. L'école de rang et l'influence agricole du milieu. *Terre de Chez Nous* 16(6): 8, 10. Nov. 10, 1943. 7 T27  
The importance of the rural school.
- 16573 GOLDSCHMIDT, W. R. Class denominationalism in rural California churches. *Amer. Jour. Sociol.* 49: 348-355. Jan. 1944. 280.8 Am3
- 16574 GORDON, DOUGLAS. Industry in a Devon village. *Country Life [London]* 95: 62-64. Jan. 14, 1944. 80 C83  
Rural industries.
- 16575 GROSS, J. O. New demands and new fields. *Mountain Life and Work* 20(1): 26-29. Winter 1944. 281.28 M86  
Lines in which mountain life may be improved.
- 16576 \*HO., W. Stärkung bäuerlicher Lebensgemeinschaft. *Landesbauernschaft Sachsen. Wchnbl.* 91: 339. July 31, 1943. 18 Sal  
Village culture.
- 16577 HOFFORD, H. M. Extension works through newspapers. *U. S. Ext. Serv. Ext. Serv. Rev.* 15(2): 23. Feb. 1944. 1 Ex892Ex
- 16578 HORTON, MYLES. Grundtvig and Danish folk schools. *Mountain Life and Work* 20(1): 23-25. Winter 1944. 281.28 M86
- 16579 HUDSON, R. S. The future of agricultural education. *Travers' Cir. (n. s.), No. 235, p. 31.* Feb. 12, 1944. 286.83 P94
- 16580 \*KRAUTLE. Enseñanza técnica y formación ideológica de la juventud rural alemana. *Surco [Madrid]* 2(19): 32-33. Sept. 1943. 15 Su7
- 16581 LEBREL, LEON. Les "forums" agricoles et les équipes d'étude. *Terre de Chez Nous* 16(5): 3. Nov. 3, 1943. 7 T27  
Radio listening groups for a program of agricultural broadcasts in Canada.
- 16582 LOOMIS, C. P. Extension work at Tingo María [Peru]. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 23-26, 36. Feb. 1944. 1 F752A  
New farming methods being tried at the colony near the Tingo María Experiment Station.
- 16583 LORD'S acre reports from States and mission fields. *Farmers Fed. News* 24(6): 8-16. Feb. 1944. 280.28 F225
- 16584 MONTEIRO, J. E. Escola Superior de Agricultura de Pernambuco - encerramento dos cursos. *Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol.* 10(1): 45-50. Mar. 1943. 9.2 P432
- 16585 MORRISON, AUTHER. My project story. *Amer. Farm Youth* 9(9): 8. Feb. 1944. 6 Am393  
Projects in general farming by a student in vocational agriculture.
- 16586 R., D. H. Agricultural education problems. *Country Life [London]* 95: 74-75. Jan. 14, 1944. 80 C83
- 16587 RÉGOLI ZAMBRANO, DARIO. El problema de la familia rural argentina. *Inst. Agr. Argentino. Reseñas* 3(19): 37-42. 1943. 281.9 B862
- 16588 RODRÍGUEZ ARAÓN, ISMAEL. La técnica de la educación indígena. *Mex. Agr.* 5: 247-258. Oct./Dec. 1943. 280.8 M57
- 16589 \*ROMERO-MONTERO, R. La labor social de la Falange en el campo. *Surco [Madrid]* 2(12, sup.): 21. Feb. 1943. 15 Su7  
Educational work in agriculture of the Spanish Frente de Juventudes.
- 16590 ROY, J. B. Des sociétés d'agriculture formées de cercles agricoles. (Sixième article) Quelques précisions. *Bul. des Agr.* 40(2): 4. Feb. 1944. 7 B872
- 16591 \*SANZ ORRIO, FERMÍN. Sobre las hermandades rurales. *Surco [Madrid]* 2(19): 2. Sept. 1943. 15 Su7
- 16592 SHIPLEY, FERN. 4-H club, accomplishments in war time. *Utah Farmer* 63(12): 17. Feb. 10, 1944. 6 D45
- 16593 \*STADELMANN, ALWIN. Warum lehrherr werden? Vorteile für die gemeinschaft wie für den einzelnen. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 494. Sept. 11, 1943. 18 B34W
- 16594 STARRAK, J. A. What's the war doing to our [Iowa] schools? *Iowa Farm Econ.* 10(1-2): 18-20. Jan.-Feb. 1944. 275.28 I092  
Includes rural schools.
- 16595 \*STEINMANN, HERTA. Eine bauerntochter wird geprüfte wirtschafterin. *Landesbauernschaft Niederschlesien. Wchnbl.* 10: 541. Oct. 9, 1943. 18 S13  
Describes a course in domestic economy for the farm girl.
- 16596 SWINGLE, E. B. War-time Farmers' Week well attended. *Mich. Farmer* 201(4): 5, 8. Feb. 19, 1944. 6 M58  
Activities and discussions at the 29th annual Farmers' Week at Michigan State College.
- 16597 \*TORRENTE, J. A. La agricultura en las ferias. *Surco [Madrid]*, No. 7, p. 20. Sept. 1942. 15 Su7
- 16598 U. S. DEPT. OF STATE. Health and sanitation program; agreement between the United States of America and Mexico, effected by exchange of notes signed at Mexico City June 30 and July 1, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 347, 5 p. Washington, 1944. (Pub. 2049.) 150 Ex3
- 16599 U. S. DEPT. OF STATE. Health and sanitation program; agreement between the United States of America and Venezuela; effected by exchange of notes signed at Caracas February 18, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 348, 8 p. Washington, 1944. (Pub. 2048.) 150 Ex3



16600 VIRGINIA. UNIVERSITY. EXTENSION DIVISION. The mountain comes to the school; a rural school relates education to community life. Va. Univ. Ext. Div. New Dominion Ser. 46, 12 p. Charlottesville, 1944. 280.9 V814

Varied community-service program of Cold Springs School, in Alabama.

16601 VOYER, GÉRARD. En serez-vous la prochaine fois? Bul. des Agr. 40(2): 24-25. Feb. 1944. 7 B872

Factors which the judges take into consideration when inspecting a farm for the Mérite Agricole.

16602 \*WANGE. Aus der arbeit der landwirtschaftlichen berufsschule. Landesbauernschaft Sachsen. Wohnbl. 91: 304. July 3, 1943. 18 Sal

16603 WEAVER, A. D. Pennies pay their hospital bills--the Blue Cross way. Nebr. Farmer 86(1): 1, 14. Jan. 1, 1944. 6 N27

Rural hospitalization plan and service.

16604 WHY THE country church needs the Lord's acre plan. Farmers Fed. News 24(6): 6-8. Feb. 1944. 280.28 F225

Series of brief reports from rural pastors on the operation of the plan.

#### Human Ecology

16605 BLANCHET, JEAN. Nos paroisses rurales à l'oeuvre: Saint-Simon de Rimouski. Terre de Chez Nous 14, i. e. 16(12): 7. Dec. 22, 1943. 7 T27

A survey of the parish, its population, agriculture, and agricultural organizations.

16606 \*HO., W. Stärkung bäuerlicher lebensgemeinschaft. Landesbauernschaft Bayern. Wohnbl. Ausg. A 133: 421. July 31, 1943. 18 B34W

Importance of village culture.

16607 WARBASSE, J. P. The small community -- the hope of civilization. Farm News of Steuben County 5(2): 6-7. Feb. 4, 1944. 275.293 Indiana, Steuben Co.

#### Rural Organizations and Movements

16608 ACEBAL, ALVARO. Economía cooperativa: éxito en Latinoamérica. Rev. Nac. [Havana] 3(26): 25. Jan. 1944. 280.8 R3295

Progress of cooperatives in various countries.

16609 BABCOCK, H. E. Farmer cooperatives. Pa. Grange News 40(11): 16. Feb. 1944. 6 P38

Abstract of an address.

16610 BALLOW, E. B. All agriculture benefits from activities of farmer co-operatives; savings extensive. Sunswest Standard 27(9): 7. Feb. 1944. 286.83 Su7

16611 BISSON, J. E. La coopération, moyen de reconstruction après la guerre. Terre de Chez Nous 14, i. e. 16(8): 19. Nov. 24, 1943. 7 T27

16612 BLANCHET, JEAN. Un fait entre mille autres. Terre de Chez Nous 16(21): 7. Feb. 23, 1944. 7 T27

On the financial operations of the Ste. Rita agricultural cooperative, which does not extend credit to its members.

16613 COLQUETTE, R. D. The heir of the U. F. O. [United Farmers of Ontario]; the Ontario Federation of Agriculture, a virile young organization, has taken up the torch. Country Guide 63(2): 8, 43. Feb. 1944. 7 G76

16614 CROLL, T. C. Justice rides the co-op banners; the way is paved for better economic system for agriculture. CTA Digest 4(2): 11-14. Feb. 1944. 280.28 G11

Excerpts from an address.

Chiefly on the attack upon the cooperative movement by organized big business.

16615 EDMONDS, C. C. Cooperative purchasing of supplies. Utah Farmer 63(12): 8. Feb. 10, 1944. 6 D45

16616 ELSWORTH, R. H. Seven Presidents & cooperation. Co-op. Digest 4(9): 44-45. Mar. 1944. 280.28 C7896

Review of official acts and statements of Presidents Theodore Roosevelt, Taft, Wilson, Harding, Coolidge, Hoover, and F. D. Roosevelt, with regard to cooperative organization and activities.

16617 FILION, GÉRARD. Vue d'ensemble du mouvement coopératif de 1930 à 1943. Terre de Chez Nous 14, i. e. 16(7): 3, 23. Nov. 17, 1943. 7 T27

Quebec agricultural cooperatives increased from 75 to 500 in the interval.

16618 GARAND, ROLAND. La coopérative agricole de Cowansville. Terre de Chez Nous 16(21): 16. Feb. 23, 1944. 7 T27

16619 GARDNER, K. B. Member-ownership--source of co-op vitality. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 10, 23. Jan. 1944. 166.2 N47

16620 HEDGES, HAROLD. The co-ops' score in the war. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 3, 9-10. Jan. 1944. 166.2 N47

16621 HOBSON, ASHER. The Wisconsin Farm Bureau. Dairyland News 14(3): 1, 5, 8. Feb. 14, 1944. 280.28 W752

Historical sketch.

16622 KLASSEN, DIED. Rhineland youths start co-op. farm. Manitoba Co-op. 1(16): 7. Feb. 15, 1944. 280.28 M31

16623 KNAPP, J. G. 100-year-old Rochdale principles--a guide to the future. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 12-14, 24. Jan. 1944. 166.2 N47

16624 LAWRENCE, J. D. Budgets keep co-ops on their toes. U. S. Farm Credit Admin. News for Farmer Coop. 10(10): 18. Jan. 1944. 166.2 N47

16625 LEES, A. B. Stimulus from within the industry. Farmer & Stock-Breeder 58: 227. Feb. 8, 1944. 10 F228

Aims of the Development and Education Committee of the National Farmers' Union in Great Britain.

16626 LÓPEZ GENTO, JOSÉ. Economía cooperativa: gran urgencia cubana. Rev. Nac. [Havana] 2(21): 5-6. Aug. 1943. 280.8 R3293

Includes the history of the cooperative movement in Great Britain.

16627 LUBIAN MURO, SILVIO. Cooperative 'Cubanos del Campo.' Labor 3(54): 5. Jan. 30, 1944. 8 L11

The objects of the association.

16628 MARION, ABEL. Discours... à Toronto. Terre de Chez Nous 14, i. e. 16(9): 1, 11. Dec. 1, 1943. 7 T27

On the operation of various types of cooperatives in Quebec.

16629 MARTIN, ROMÉO. Les lois coopératives. Terre de Chez Nous 14, i. e. 16(9): 4. Dec. 1, 1943. 7 T27

Cooperative legislation and its effect on the development of cooperation.

16630 MARTIN, ROMÉO. Le rôle et la place des coopératives agricoles. Terre de Chez Nous 14, i. e. 16(11): 4. Dec. 15, 1943. 7 T27

16631 MARTIN, ROMÉO. 225,000 coopérateurs, 1,500 coopratives, le mouvement gagne partout. Terre de Chez Nous 14, i. e. 16(8): 4. Nov. 24, 1943. 7 T27



FOOD AND HUMAN NUTRITION

## GENERAL

16632 O'NEILL, T. F. Adequate financing for co-ops; strong capital structure is essential for sound operations. *GTA Digest* 4(2): 42-43. Feb. 1944. 280.28 G11

16633 PANTULU, V. R. India's food production and co-operative farming. *Indian Co-op. Rev.* 9: 211-221. July/Sept. 1943. 280.28 In2  
Cooperation for increased production.

16634 PICKETT, C. I. Today's farmers - tomorrow's food. *Nation's Agr.* 19(2): 5-6, 16. Feb. 1944. 280.82 B89

Chiefly on the policies of the American Farm Bureau Federation.

16635 ROJAS, ALFONSO. La colaboración de los campesinos en las tareas rurales en el pasado y en el presente. Su valor como antecedente de una legislación nacional. *Inst. Agr. Argentino. Reseñas* 3(19): 7-12. 1943. 281.9 B862

16636 ROJAS, ALFONSO. Papel de la cooperación en las bases de una futura organización nacional y humana de los trabajos en el agro argentino. *Inst. Agr. Argentino. Reseñas* 3(19): 13-16. 1943. 281.9 B862

16637 ROSENFELD, MAXIMILIAN. Farming in Czechoslovakia. *New Zeal. Farmer Weekly* 64(24): 5-6. Jan. 27, 1944. 23 N484

Deals with agricultural cooperatives.

16638 STURZO, LUIGI. Before Fascism--and now what? *Land and Home* 7(1): 7-8. Mar. 1944. 281.28 G28

Cooperative movement in Italy.

16639 SUBRAHMANYAM, K. Co-operation in Madras. *Madras Jour. Co-op.* 35: 215-226. Nov. 1943. 280.28 M26

16640 WICKARD, C. R. Some things co-ops must do. *Coop. Digest* 4(9): 48-49. Mar. 1944. 280.28 C7896  
Condensed from a message to 16th annual meeting of the National Council of Farmer Cooperatives.

16641 ZABARSKY, A. The Palestine co-operative movement in wartime. *Rev. Internatl. Co-op.* 37: 4-10. Jan. 1944. 280.28 In8B

Includes agricultural settlements and marketing.

TRADE, FOREIGN AND INTERNATIONAL

16642 BROSSARD, E. B. Síntoma: auge de comercio interamericano. *Rev. Mac. [Habana]* 2(21): 19-20. Aug. 1943. 280.8 R3295

The inter-American trade program. Diversification of agriculture in the Latin American countries is part of it.

16643 \*PESCHEL, MARTIAL. Un plan du commerce extérieur français. *Exportateur Français* 28(1107): 1. Mar. 19, 1943. 280.8 Ex6

16644 STRONG, J. A. Argentine imports from Canada in 1942. II. Notes on principal products. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 69: 229-234. Sept. 1943. 286.8 C16

16645 VECHSLER, M. J. Chilean foreign trade in 1942. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 134-136. Feb. 12, 1944. 286.8 C16

Trade Agreements

16646 U. S. DEPT. OF STATE. Purchase by the United States of exportable surpluses of Dominican rice, corn, and peanut meal; agreement between the United States of America and the Dominican Republic approving memorandum of understanding dated May 20, 1943. *U. S. Dept. State. Exec. Agreement Ser.* 350, 11 p. Washington, 1944. (Pub. 2050.) 150 Ex3

16647 ADELSON, DOROTHY. Latin America pledges aid. *Pan Amer.* 4(8): 23-24. Jan. 1944. 280.8 P192

UNRRA conference.

16648 BALFOUR, M. I. Supplementary feeding in pregnancy. *Lancet* 246: 208-211. Feb. 12, 1944. 448.8 L22

16649 \*BEZNÁK, ALADÁR VON, BEZNÁK, MARGIT VON, and HAJDU, ISTVÁN. Ernährungsphysiologische wertmessung verschiedener fette und öle an weissen ratten. *Ernährung* 8: 209-224. Sept. 1943. 389.8 Er6

16650 BÖTTICHER, WERNER. Die pilzverwertung. *Umschau* 47: 225-226. Oct. 1943. 474 Um7  
Nutritive value and utilization of mushrooms.

16651 BOWES, A. DE P. Nutrition teaching in wartime. *Amer. Dietet. Assoc. Jour.* 20: 155-157. Mar. 1944. 389.8 Am34

16652 BRAILSFORD, H. N. Food as a class weapon. *New Statesman and Nation* 27(672): 20-21. Jan. 8, 1944. 280.8 N2132

Food relief and its political importance.

16653 FEASTER, J. F., and ALEXANDER, O. R. Planning nutrition studies involving canned foods. *Indus. and Engin. Chem., Indus. Ed.* 36: 172-176. Feb. 1944. 381 J825

16654 FREE or low-cost food distribution in Latin American countries. *Internatl. Labour Rev.* 49: 339-346. Mar. 1944. 283.8 In8

Programs designed to improve the nutrition of low-income groups.

16655 GRANA, ROBERTO. Sobre la Conferencia de Alimentación y Agricultura de las Naciones Unidas. *Mercados del Mundo* 7(34): 1-5. Aug. 1943. 286.9 Ur82

16656 GUNDERSON, F. L., and GORTNER, R. A., JR. Wartime and postwar trends in food and nutrition. *Amer. Dietet. Assoc. Jour.* 20: 160-162. Mar. 1944. 389.8 Am34

16657 HARDING, T. S. Rationing, our diet, and sound nutrition. *Amer. Jour. Pharm.* 116: 28-36. Jan. 1944. 396.8 Am3

16658 HARRIS, I., and VERNON, C. E. A physiological factor in food metabolism. *Jour. Physiol.* 102: 20p-21p. Dec. 31, 1943. 447.8 J82

16659 HEGSTED, D. M., MCKIBBIN, J. M., and STARE, F. J. Nutrition and tolerance to atabrine. *Jour. Nutr.* 27: 141-148. Feb. 10, 1944. 389 J82

16660 HOGAN, MENA. Wartime home food conservation: the national picture. *Jour. Home Econ.* 36: 139-140. Mar. 1944. 321.8 J82

16661 KIRKPATRICK, M. E. Soya magic revealed. *Amer. Restaurant Mag.* 28(3): 39, 91-94. Mar. 1944. 389.2538 Am3

16662 KLINGE, GERARDO. Conferencia de alimentación y agricultura de las naciones unidas. *Vida Agr.* 20: 687, 689, 691-696, 761-768, 833-843. Sept., Oct., Nov. 1943. 9.8 V66

16663 KUGELMASS, NEWTON. The early recognition of war-nutrition deficiency in children. Part I. *Amer. Jour. Digest. Dis. and Nutr.* 11: 83-92. Mar. 1944. 448.8 Am324

16664 LEATHERS, W. S. Nutrition, a problem of war and peace. *South. Agr.* 74(3): 15. Mar. 1944. 6 So83

16665 LINDLAHR, V. H. How foods can help prevent flu and colds. *Jour. Living* 9(9): 82-98. Mar. 1944. 389.8 J822



16666 MCAULEY, M. F. Indiana University meets the needs of the Army and Navy feeding programs. Amer. Dietet. Assoc. Jour. 20: 140-143. Mar. 1944. 389.8 Am34

16667 MCLEOD, R.P. You can't say that again! Hygeia [Chicago] 22: 206, 208-210. Mar. 1944. 449.8 H993

Developments in nutrition.

16668 \*MARCILLA, JUAN. Levaduras-alimento para el hombre y levaduras-pienso. Surco [Madrid], No. 3, p. 6-8. May 1942. 15 Su7

16669 MELNICK, DANIEL, and others. A comparative analytical study of meat extension. Amer. Dietet. Assoc. Jour. 20: 150-154. Mar. 1944. 389.8 Am34

R.J. Block, H.W. Himes, and B.L. Oser, joint authors.

16670 NATIONAL PLANNING ASSOCIATION. UNRRA; gateway to recovery. Natl. Planning Assoc. Planning Pam. 30/31, 84 p. Washington, 1944. 280.9 N2153  
Includes agricultural and food programs.

16671 NELSON, P.M. Iowa uses enriched flour. Food Facts 13(6): 1,4. Mar. 1944. 389.8 F734

16672 ORENT-KEILES, EISA. Eat to stay young. Chemist 21:67-70. Feb. 1944. 381 C427

16673 PARRAN, THOMAS. Nutrition and health. Certified Milk 19(214): 3, 18. Feb. 1944. 44.8 C33

16674 PATERSON, G. R. Combined Food Board. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 194-196. Mar. 4, 1944. 286.8 C16

16675 EL PROBLEMA de la alimentación del mundo de postguerra. Rev. Mens. B.A.P. 27(314): 9-11, 13. Jan. 1944. 9 R326

16676 ROBERTS, L.J. Sell nutrition and ration points to the Victory gardener. Seed World 55(3): 10-11, 35. Feb. 4, 1944. 61.8 Se52

16677 SEMPLE, DUGALD. Wisdom in eating. Veg. Messenger and Health Rev. 41(1): 7-8. Jan. 1944. 389.8 V522

16678 SHARPE, H. S. The up-and-coming soybean. Practical Home Econ. 22: 62, 84-85. Feb. 1944. 321.8 H752

16679 SUTHERLAND, VIRGINIA. Victory garden special [tampala]. Gard. Gossip 19(2): 5-6. Feb. 1944. 30 G1625

A member of the amaranth family.

Use as food.

16680 THISTLE, MEL. Mostly about the raw food fad. Canad. Food Packer 15(2): 17-18. Feb. 1944. 286.83 C166

16681 ZINTEL, H.A. The rôle of nutrition in preoperative and postoperative care: a review. Amer. Jour. Med. Sci. 207: 253-258. Feb. 1944. 448.8 Am3

#### DIETS

16682 BARNES, R.H., PRIMROSE, M.F., and BURR, G.O. The influence of the protein content of the diet upon fat digestibility. Jour. Nutr. 27: 179-184. Feb. 10, 1944. 389 J82

16683 BOYD, J.D. The need for betterment of children's diets. Amer. Dietet. Assoc. Jour. 20: 147-149. Mar. 1944. 389.8 Am34

16684 COX, H.E. Dietetic aspects of colours in food. Soc. Chem. Indus. Jour. Chem. and Indus. 63: 30-32. Jan. 22, 1944. 382 M31C

16685 FERGUSON, H. P., LEESON, H. J., and MCHENRY, E. W. A nutrition survey in east York Township. II. The influence of the choice of dietary standards upon interpretation of data. Canad. Jour. Pub. Health 35: 66-70. Feb. 1944. 449.2 P964

16686 GAMPELL, S.S. On the food front. Miller 70(3389): 18-19. Jan. 3, 1944. 298.8 M61  
Wartime diets.

16687 GILLMAN, JOSEPH. Effects on rats of prolonged feeding with the staple African diet. Brit. Med. Jour., No. 4334, p. 149-150. Jan. 29, 1944. 448.8 B77

16688 HAYDAK, M. H., and others. A clinical and biochemical study of cow's milk and honey as an essentially exclusive diet for adult humans. Amer. Jour. Med. Sci. 207: 209-219. Feb. 1944. 448.8 Am3  
A. E. Vivino, J. J. Boehrer, Oscar Bjorndahl, and L. S. Palmer, joint authors.

16689 KEYS, ANCEL, and others. Physiological and biochemical functions in normal young men on a diet restricted in riboflavin. Jour. Nutr. 27: 165-178. Feb. 10, 1944. 389 J82

A.F. Henschel, Olaf Mickelsen, J.M. Brozek, and J.H. Crawford, joint authors.

16690 MCCULLOCH, HUGH. Use of evaporated milk without added sugar for the feeding of infants. Amer. Jour. Dis. Children 67: 52-55. Jan. 1944. 448.8 Am38

16691 RICHARDSON, F.H. Fried food for children? Jour. Ped. 24: 199-205. Feb. 1944. 448.8 J8291

16692 SPENCER, H.C., and others. Response of rats maintained on diets fumigated with methyl bromide. Food Res. 9: 11-18. Jan./Feb. 1944. 389.8 F7322

V.K. Rowe, E.M. Adams, and D.D. Irish, joint authors.

16693 SULLIVAN, C.L. Diet in pregnancy. New England Jour. Med. 230: 167-169. Feb. 10, 1944. 448.8 N442

16694 WATSON, EVA. Eliminating dairy produce: how the difficulties can be overcome. Veg. Messenger and Health Rev. 41: 38-39. Feb. 1944. 389.8 V522

16695 WINTERS, J.C., and LESLIE, R.E. A study of the diet of twenty women in a moderate-income group. Jour. Nutr. 27: 185-192. Feb. 10, 1944. 389 J82

With the technical assistance of Catherine Donnell.

#### FOOD HABITS

16696 PIRKOVA-JAKOBSON, SVATAVA, and JOFFE, N.F. Central European food patterns. Part II. Czech and Slovak food patterns. Pract. Home Econ. 22: 58-60, 70, 72, 74. Feb. 1944. 321.8 H752

#### NUTRITIVE AND VITAMIN CONTENT

16697 \*"ARCO," A. I. La patata como articulo alimenticio y materia prima. Su importancia para la alimentación de Europa. Surco [Madrid], No. 14, sup., p. 5, 7. Apr. 1943. 15 Su7

16698 ATKIN, LAWRENCE, and others. Yeast microbiological methods for determination of vitamins. Pantothenic acid. Indus. and Engin. Chem., Analyt. Ed. 16: 67-71. Jan. 15, 1944. 381 J825

W.L. Williams, A.S. Schultz, and C.N. Frey, joint authors.

16699 THE B VITAMINS; deficiencies are not so common as is often supposed, recent studies show. With a good diet, anybody can get required amounts of these important vitamins. Consum. Rpts. 9: 51-53. Feb. 1944. 321.8 C762

16700 \*BALAKHOVSKIĬ, S.D., and BULGAKOV, N.I. Opredelenie askorbinovoĭ kisloty v sul'fitirovannykh i svezhikh produktakh (On the determination of ascorbic acid in fresh and sulfited products). Biokhimiia 8(5/6): 275-282. Moskva, 1943. 385 B523

16701 CYAN, ERWIN DI, and STAKVEL, STELLA. The ubiquitous vitamin preparations - II. Consumers' Res. Bul. 13(3): 11-14. Mar. 1944. 321.8 C76



- 16702 BALZLI. La recherche de la vitamine F. *Rev. Internatl. du Soya* 3: 49-50. Mar./Apr. 1943. 60.38 R32
- 16703 BARRIE SWEETEN, M.M.O. Vitamin E deficiency in the rat. V. Uterine changes in chronic deficiency. *Biochem. Jour.* 37: 523-525. 1943. 382 B52
- 16704 BOURNE, G.H. Some experiments on the possible relationship between vitamin C and calcification. *Jour. Physiol.* 102: 319-328. Dec. 31, 1943. 447.8 J82
- 16705 BRANSBY, E.R., and others. The influence of supplements of vitamins A, B<sub>1</sub>, B<sub>2</sub>, C, and D on growth, health, and physical fitness. *Brit. Med. Jour.* No. 4332, p. 77-78. Jan. 15, 1944. 448.8 B77
- J.W. Hunter, H.E. Magee, E.H.M. Milligan, and T.S. Rodgers, joint authors.
- 16706 CLAYTON, C.C., and BAUMANN, C.A. Vitamin A storage and factors that affect the liver. *Jour. Nutr.* 27: 155-164. Feb. 10, 1944. 389 J82
- 16707 CLIFCORN, L. E., and HEBERLEIN, D. G. Thiamine content of vegetables; effect of commercial canning. *Indus. and Engin. Chem., Indus. Ed.* 36: 168-171. Feb. 1944. 381 J825
- 16708 COLLOPY, MARY. Does freezing meat destroy vitamins? *Westerner* 7(2): 22-23. Mar. 1944. 49 W522
- 16709 DAVIDSON, L.S.P., and DONALDSON, G.M.M. Treatment of anaemia in school children with iron and ascorbic acid. *Brit. Med. Jour.*, No. 4332, p. 76-77. Jan. 15, 1944. 448.8 B77
- 16710 DEUEL, H. J., JR., and others. Studies of the comparative nutritive value of fats. I. Growth rate and efficiency of conversion of various diets to tissue. *Jour. Nutr.* 27: 107-121. Jan. 10, 1944. 389.8 J82
- Eli Movitt, L. F. Hallman, and Fred Mattson, joint authors.
- Technical assistance of Evelyn Brown.
- 16711 DODDS, M.L., and MACLEOD, F.L. Blood plasma ascorbic acid values resulting from normally encountered intakes of this vitamin and indicated human requirements. *Jour. Nutr.* 27: 77-87. Jan. 10, 1944. 389.8 J82
- In cooperation with Virginia Coker, Harvy Lewis, I.H. Sansom, Sarah Stephens, Nell Wall, and M.J. Wright.
- 16712 DUNLAP, F.L. White vs. brown flour; a critical review of research reports upon their comparative nutritive values. *Northwest. Miller* 217 (2, sect.2): 6a-9a; (6, sect.2): 14a-15a. Jan. 12, Feb. 9, 1944. 298.8 N81
- 16713 GOODNIGHT, FRANCES. Why you may need more vitamin C. *Jour. Living* 9(9): 11-16. Mar. 1944. 389.8 J822
- 16714 GORTNER, R. A., JR., and GUNDERSON, F. L. Proteins in human nutrition. Protein foods - war and postwar. *Indus. and Engin. Chem. News Ed.* 22: 160-163. Feb. 10, 1944. 381 J825N
- 16715 HALL, E.G. The nutritive value of Australian tropical fruits. *Agr. Gaz. N.S. Wales* 54: 568-569. Dec. 1, 1943. 23 N472
- 16716 HEINZE, P. H., and others. Ascorbic acid content of 39 varieties of snap beans. *Food Res.* 9: 19-26. Jan./Feb. 1944. 389.8 F7322
- M. S. Kanapaux, B. L. Wade, P. C. Grimball, and R. L. Foster, joint authors.
- 16717 HETHERINGTON, E.V. Protein content of semolina. *Macaroni Jour.* 24(10): 10. Feb. 1944. 298.8 N46
- 16718 HINTON, J.J.C. A micro-method for the estimation of vitamin B<sub>1</sub>. *Biochem. Jour.* 37: 585-589. 1943. 382 B52
- 16719 HOLLINGER, M.E. Ascorbic acid value of the sweet potato as affected by variety, storage, and cooking. *Food Res.* 9: 76-82. Jan./Feb. 1944. 389.8 F7322
- 16720 HULSE, M.C., and others. Subclinical vitamin deficiency. VI. Thiamine in skeletal muscle of infants and children. *Amer. Jour. Dis. Children* 67:30-32. Jan. 1944. 448.8 Am38
- Norman Weissman, Virginia Rowland, Robert Gross, and J.W. Ferrebee, joint authors.
- 16721 IRESON, M.G., and EHEART, M.S. Ascorbic acid losses in cooked vegetables: cooked uncovered in a large amount of water and covered in a small amount of water. *Jour. Home Econ.* 36: 160-165. Mar. 1944. 321.8 J82
- 16722 JOSEPHS, H.W. Hypervitaminosis A and carotenemia. *Amer. Jour. Dis. Children* 67: 33-43. Jan. 1944. 448.8 Am38
- 16723 KIENE, JULIA. The biggest bargain in health. *Certified Milk* 19(214): 7, 17-18. Feb. 1944. 44.8 C33
- Nutritive value of milk.
- 16724 KLEIN, DANTEL, and ELSOM, K.O. Studies of the B vitamins in the human subject. VII. Blood pyruvate and lactate-pyruvate ration following the ingestion of glucose in experimental deficiency. *Amer. Jour. Med. Sci.* 207: 247-252. Feb. 1944. 448.8 Am3
- 16725 \*\*KON, S. K. Reviews of the progress of dairy science. Section D. The nutritional value of milk and milk products. *Jour. Dairy Res.* 13: 216-241. 1943.
- Abs. in *Jour. Dairy Sci.* 27: A9. Jan. 1944. 44.8 J822
- 16726 \*KUNZ, R.M. Ergebnisse der vitaminforschung. *Pharm. Acta Helvetica* 18: 121-142. Mar. 27, 1943. 396.8 P4933
- 16727 LECOQ, RAOUL, and RAFFY, ANNE. Études sur le germe de blé. I. La composition chimique et la richesse en vitamines B<sub>1</sub> et B<sub>2</sub> de la farine de germe de blé actuellement préparée. *Soc. Chim. Biol.* 25: 156-162. Apr./June 1943. 383 Sol
- 16728 LECOQ, RAOUL. Études sur le germe de blé. II. L'huile de germe de blé et sa prétendue toxicité. III. Le pouvoir antirachitique de la farine de germe de blé et sa richesse en composés phosphorés. *Soc. Chim. Biol.* 25: 162-173. Apr./June 1943. 383 Sol
- 16729 LEVERTON, R.M., and BINKLEY, E.S. The copper metabolism and requirement of young women. *Jour. Nutr.* 27: 43-53. Jan. 10, 1944. 389.8 J82
- 16730 LOVERN, J.A. Antioxidants for carotene and vitamin-A. *Soc. Chem. Indus. Jour.* 63: 13-15. Jan. 1944. 382 M31
- 16731 LUGG, J. W. H., and WELLER, R. A. Germinating seeds as a source of vitamin C in human nutrition. 2. The germinating and processing of blue boiler peas (*Pisum sativum*) as a palatable source of vitamin C. *Austral. Jour. Expt. Biol. and Med. Sci.* 21: 211-214. Dec. 1943. 442.8 Au7
- 16732 MAPSON, L.W. Vitamin methods. VI. The estimation of ascorbic acid in the presence of reductones and allied substances. *Soc. Chem. Indus. Jour.* 62: 223-232. Dec. 1943. 382 M31
- 16733 MITCHELL, H.H. Non-fat milk solids put new life into bread. *Hoard's Dairyman* 89: 103. Feb. 25, 1944. 44.8 H65
- Research on the nutritive value of dairy products.
- 16734 \*MOREL, MADELEINE, and BARATTE, J. Teneur du lait de la vache en vitamine P.P. *Lait* 23: 147-149. Apr./June 1943. 44.8 L143
- 16735 MUNSELL, H.E. Vitamins and their occurrence in foods. *Puerto Rico Jour. Pub. Health and Trop. Med.* 19: 256-288. Dec. 1943. 448.8 P83



- 16736 NAUDÉ, SUSANN. Vegetables. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 201, 2 p. Pretoria, 1943. 24 So82P  
Nutritive value.
- 16737 NELSON, G.L., and CLARK, FAITH. Nutritive value of U.S. food supply, 1930-43. U.S. Bur. Agr. Econ. Agr. Situation 28:9-12. Jan. 1944. 1 Ec7Ag  
16738 PANTOTHENIC acid; its history and chemistry. Borden's Rev. Nutr. Res. 5(2): 1-10. Feb. 1944. 389.8 B64
- 16739 PIJOAN, M., and ELKIN, C. A. Secondary anemia due to prolonged and exclusive milk feeding among Shoshone Indian infants. Jour. Nutr. 27: 67-75. Jan. 10, 1944. 389.8 J82
- 16740 POLING, C. E., SCHULTZ, H. W., and ROBINSON, H. E. The retention of the nutritive quality of beef and pork muscle proteins during dehydration, canning, roasting, and frying. Jour. Nutr. 27: 23-34. Jan. 10, 1944. 389.8 J82
- 16741 POLLOCK, R.C. Meat research playing vital role in our all-out wartime efforts. Kans. Stockman 28(5): 70, 72, 75. Mar. 1944. 49 K134  
Nutritive value.
- 16742 PRUNTY, F.T.G., and VASS, C.C.N. The assessment of vitamin C nutrition in man. Biochem. Jour. 37: 623-629. 1943. 382 B52
- 16743 PRUNTY, F. T. G., and VASS, C. C. N. Vitamin C nutrition in a hospital, with observations on a case of scurvy. Lancet 246: 180-182. Feb. 5, 1944. 448.8 L22
- 16744 ROBERTSON, J.D. White, national, or whole meal bread. Assoc. Oper. Millers Bul. p. 1340-1342. Mar. 1944. 298.9 As7  
Nutritive value.
- 16745 \*RODRÍGUEZ-PÍÑEIRO, J. M. Divulgación científica vitaminas. Surco [Madrid], 11(2): 25-26. Feb. 1943. 15 Su7
- 16746 ROSS, EDWARD. Effect of time and temperature of storage on vitamin C retention in canned citrus juices. Food Res. 9: 27-33. Jan./Feb. 1944. 389.8 F7322
- 16747 \*SISAKIAN, N.M. Vitaminnafa sushka ovoshchei i kartofeli (Preservation of vitamin C in dried vegetables and potatoes). Biokhimiya 8(5/6): 254-268. Moskva, 1943. 385 B523
- 16748 SNOW, G.A., and ZILVA, S.S. A critical examination of Lugg's method for the determination of l-ascorbic acid. Biochem. Jour. 37: 630-640. 1943. 382 B52
- 16749 SOSA, A., and SOSA-BOURDOUIL, C. Quelques considérations sur le dosage de l'acide ascorbique chez les végétaux. Soc. Chim. Biol. 25: 146-156. Apr./June 1943. 383 Sol
- 16750 TOHEY, J. A. Los minerales de la leche y su valor alimenticio. Res 11: 15.327-15.328. Dec. 1943. 286.85 R31
- 16751 VAHLTEICH, H.W., and NEAL, R.H. Industry needs accurate test for vitamin A enrichment. Food Indus. 16(3): 90-92, 136-137. Mar. 1944. 389.8 F737
- 16752 VANDERLINDEN, LEE. Dehydration; a new vitamin-mineral problem in food dehydration. New Agr. 26(5): 9. Feb. 1944. 66.8 Su32  
Vitamin loss in dehydrated foods.
- 16753 VILLALBA, R. U. La leche: su indiscutible valor dietético, corroborado por: su completo contenido en principios inmediatos, plásticos y energéticos; su concentración plurivitaminica; su fácil "digestibilidad," y su condición atóxica. (To be cont.) Rev. Ganad. [Habana], 4(1): 20-21. Jan. 1944. 49 R321
- 16754 WANG, Y.L., and KODICEK, E. Vitamin methods. 7. A new modification of the p-aminoacetophenone method for estimating nicotinic acid in urine. Biochem. Jour. 37: 530-538. 1943. 382 B52  
View to assessing the nutritional status in this vitamin.
- 16755 WASSERSUG, L.A. Biotin promises new marvels. Sci. Digest 15(3):85-87. Mar. 1944. 470 Sci27
- 16756 WHITACRE, JESSIE, and others. Calcium, phosphorus, and iron contents of turnip greens as influenced by method of sampling. Food Res. 9: 56-65. Jan./Feb. 1944. 389.8 F7322  
Laverne McWhirter, Jonnie McCrery, A. G. Oberg, and S. H. Yarnell, joint authors.
- 16757 WILKINSON, F. Milk as food. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 188, 2 p. Pretoria, 1943. 24 So82P
- 16758 WILLIAMS, MIRIAM. Hold those vitamins! Farm Jour. 68(3): 60, 86. Mar. 1944. 6 F2212
- 16759 WOKES, F., ORGAN, J.G., and JACOBY, F.C. The estimation of apparent vitamin-C in foods. Soc. Chem. Indus. Jour. 62: 232-236. Dec. 1943. 382 M31
- 16760 WOOD, E.C. Declaration of vitamin content. Food 13(149): 50-52. Feb. 1944. 389.8 F738
- 16761 WORTHINGTON, O. J. Dehydrated onions found to be very high in nutritional value, research proves. West. Canner and Packer 36(2): 47, 49. Feb. 1944. 286.83 W522
- 16762 WRIGHT, L.D., and WELCH, A.D. Folic acid, biotin and pantothenic acid deficiency and the liver storage of various vitamins in rats fed succinylsulfathiazole in highly purified rations. Jour. Nutr. 27: 55-66. Jan. 10, 1944. 389.8 J82
- 16763 ZIMMERMAN, H. F. The nutritive value of dairy products: the seven food groups—butter vs. oleomargarine. Jersey Bul. 63: 188, 204, 206, 208, 210, 212. Feb. 20, 1944. 43.8 J48

# MISCELLANEOUS

## GENERAL

- 16764 ANGULO, ARMANDO. Métodos nuevos: acción privada en lo público. Rev. Mac. [Habana] 3(27): 23. Feb. 1944. 280.8 R3295  
Work of the Cuban Office of Agricultural Administration created last July.
- 16765 GARCÍA SUAREZ, JOSÉ. Anteproyecto para la creación de un Servicio Nacional de Producción, Defensa y Sanidad Pecuarias [en Chile]. Rev. de Med. Vet. [Buenos Aires], 24: 384-400. July/Aug. 1943. 41.8 B86
- 16766 \*JÓNSSON, ÓLAF. Raektun beit og rányrkja. Búnaðarfélag Íslands. Búnaðarrit 56: 79-97. 1943. 11 B88  
Destruction of natural resources in Iceland.
- 16767 \*L., E. Röpkes agrartheorien und die wirklichkeit. Schweiz. Bauernztg. 43: 2-3. Jan. 1943. 280.28 Sch93
- 16768 \*LENFANT, J. Détruisez les oiseaux nuisibles. Prog. Agr. et Vitic. 60: 176-178. May 23-30, 1943. 14 P94  
Control of birds destructive to agriculture through destruction of nests.



16769 MAUBERT, JOSÉ. La cría del caracol y su explotación. ESNEA 30(1266): 5. Nov. 17, 1943. 44.8 Es5

Snail production as a small farm industry for Argentina.

16770 \*OBOLENSKIĬ, S. I. Novye priemy bor'by s myshevidnymi gryzunami [New methods of control of rodents]. Sel'so (Ser. Kolkhoz, Zeml.) v. 12, No. 235/236, 2 p. Oct. 1943. 20 Se48

16771 \*OKHAPKIN, K. Opyt agronomicheskoi raboty v Ivanovskoi oblasti [Agronomy experiments in the Ivanovsk district]. Sotsialist. Sel'sk. Khoz. 14 (10/11): 27-33. Oct./Nov. 1943. 281.8 So73

Discusses the technique of the agronomists in their work on the collective farms, and the training of agricultural experts and personnel.

16772 \*RODRÍGUEZ DE TORRES, PEDRO. Conferencia. Surco [Madrid] 2(12, sup.): 5-7. Feb. 1943. 15 Su7

The Agricultural Chambers of Spain and their relation to the syndicates.

16773 TANG, PEI-SUNG. Helios and Prometheus: a philosophy of agriculture. Sci. Monthly 58: 169-175. Mar. 1944. 470 Sci23

16774 WILLIS, J. W. Canada's wartime administrative agencies. George Washington Law Rev. 12: 141-173. Feb. 1944. 274.005 G29

Includes agricultural and food administrative agencies.

#### HISTORY AND BIOGRAPHY

16775 BURSKEĬ, M. I. Vil'iams kak istorik agrikul'tury [Vil'iams as historian of agriculture]. In Akad. nauk. Sbornik pamiati akad. V. R. Vil'iamsa, p. 35-40. Moskva, 1942. 56 Ak12

16776 DEANS, MRS. JOHN. Canterbury's [New Zealand, first farm. New Zeal. Farmer 64(23): 4-5. Jan. 13, 1944. 23 N484

Account written in 1882 of the Deans farm at Riccarton.

16777 VIVANCO, C. F. Agricultural museum in Peru. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 30-32. Feb. 1944. 1 F752A

Evidences of the agriculture of the Incas.

16778 WILLIAMS, M. D. Washington was the father of scientific farming; had first experiment station. Ind. Farmers' Guide 100(4): 9. Feb. 15, 1944. 6 In2

#### RESEARCH

16779 AUCHTER, E. C. Agricultural research in the war and after. Science 99: 169-173, 190-192. Mar. 3-10, 1944. 470 Sci2

16780 COOPER, J. F. Experiment station goes to the farm. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59(2): 13. Feb. 1944. 6 P945G

Tells about the work of the two mobile units of the Florida Agricultural Experiment Station during the last two years.

16781 KHAN, A. R. Agricultural research at Karnal [India]. Indian Farming 4: 300-302. June 1943. 22 In283

16782 LOOMIS, C. P. Applied anthropology in Latin America; developing a permanent and stable supply of needed agricultural materials. Appl. Anthropol. 2(4): 15-17. July-Sept. 1943. 280.8 Ap5

Beginnings of agricultural experimentation and research in Latin America.

16783 \*MART'IANOV, F. Nauchnye dostizheniia v sovkhosnoe proizvodstvo [Scientific achievements in state farm production]. Sovkhosnoe Proizvodstvo 3(10/11): 45-46. Oct./Nov. 1943. 20 So85

16784 \*REBUERTA, J. L. Los campos de prácticas del Instituto Nacional Agronómico. Surco [Madrid] 2(19): 22-23. Sept. 1943. 15 Su7

#### STATISTICS

16785 PEÑA, M. T. DE LA. La agricultura y los técnicos; las mentiras de la estadística agrícola. Rev. de Econ. [Mexico] 7, 1. e. 6(12): 25-28. Jan. 7, 1944. 280.8 R3293

#### NEW PERIODICALS AND SERIALS

16786 \*ALLGEMEINE TEXTIL- ZEITSCHRIFT. Monthly. Vol. 1, No. 1, Apr. 24, 1943. 33 p. Pörsneck, Thüringen, Germany. 304.8 A15

Supersedes Spinner und Weber (304.8 Sp41), Klepsigs Textil-Zeitschrift (304.8 K67), Monatsschrift für Textil-Industrie (304.8 L53), and Band-, Spitzen- und Posamenten-Industrie.

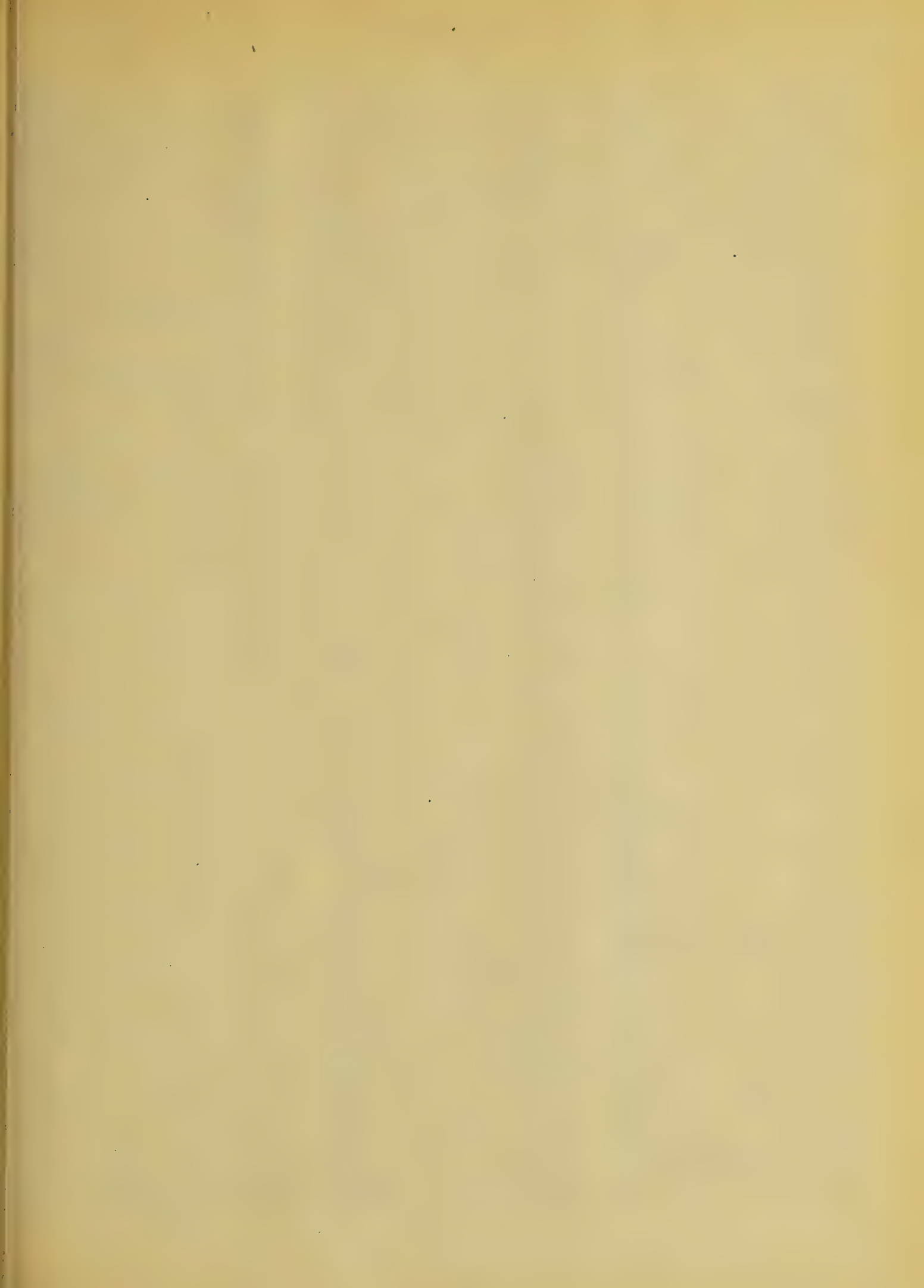
16787 AMMUNITION (Official publication of the Education Department, International Union, United Automobile, Aircraft and Agricultural Implement Workers of America (UAW-CIO)) Monthly. Vol. 1, No. 1, Apr. 1943. 31 p. Detroit, Mich. 283.8 Am6

16788 BUENOS AIRES (CITY) UNIVERSIDAD NACIONAL. INSTITUTO DE INDUSTRIAS AGRÍCOLAS (LECHERÍA E INDUSTRIA DE LA FRUTA). [Publicación], T. 1, Fasc. 1, July 1942. 23 p. Buenos Aires. 281.9 B861

16789 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. [First] annual report. Fiscal year 1942/1943. 63 p. Washington, Pan American Union, 1943. 28 In83

16790 \*SÜDWESTDEUTSCHE BIENENZEITUNG. Monthly. Vol. 1, No. 1, Apr. 1943. 14 p. Offenburg, Baden. 424.8 Su24







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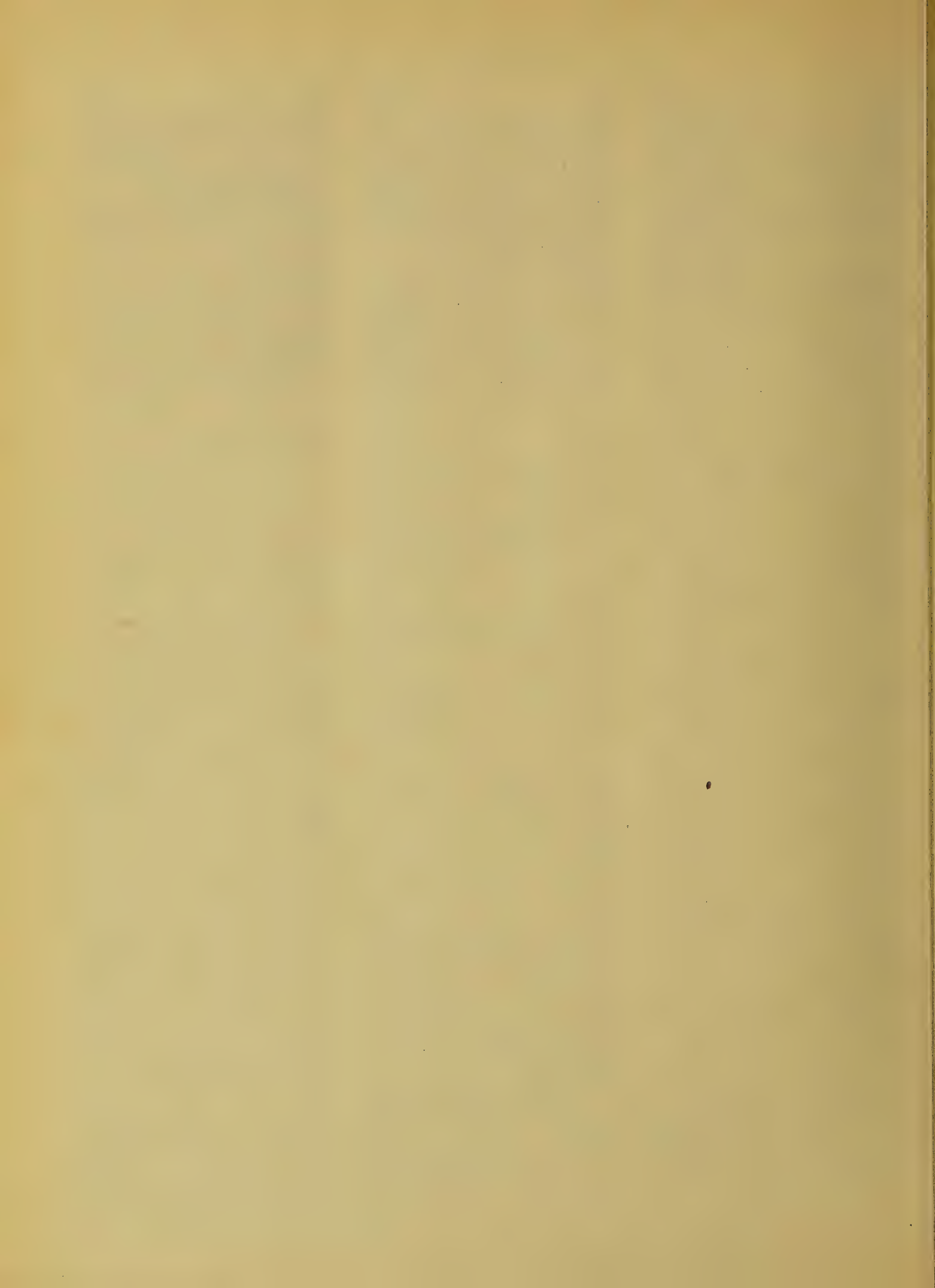
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Circulars

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A. L. Watt, C. W. McIntyre, R. E. Leighton, and R. R. Graves, joint authors.

16795 DORAN, C. W., and CASSADY, J. T. Management of sheep on range infested with orange sneezeweed [*Helenium hoopesii*]. U. S. D. A. Cir. 691, 28 p. 1944. 1 Ag84C

16796 SMITH, T. E. Control of bacterial wilt (*Bacterium solanacearum*) of tobacco as influenced by crop rotation and chemical treatment of the soil. U. S. D. A. Cir. 692, 16 p. 1944. 1 Ag84C

North Carolina Department of Agriculture and North Carolina Agricultural Experiment Station cooperating.

Farmers' Bulletins

16797 BISHOPP, F. C., LAAKE, E. W., and WELLS, R. W. Cattle grubs or heel flies with suggestions for their control. U. S. D. A. Farmers' Bul. 1596, slightly rev., 22 p. 1944. 1 Ag84F

16798 POPE, G. W. The disinfection of stables. U. S. D. A. Farmers' Bul. 954, slightly rev., 12 p. 1944. 1 Ag84F

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Leaflets

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S. P. Doolittle, W. R. Beattie, Roy Magruder, and R. E. Wester, joint authors.

Miscellaneous Publications

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Fourth annual directory. Covers the 1941-42 trap-nest record year.

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Supersedes Miscellaneous Publication 330, The Minnesota Seed-Grain Treater.

16804 WHITE, W. H., and DOOLITTLE, S. P. A Victory gardener's handbook on insects and diseases. U. S. D. A. Misc. Pub. 525, 30 p. 1944. 1 Ag84M

Puerto Rico Agricultural Experiment Station

16805 INFORME de la estación experimental de Puerto Rico, 1942. 32 p. Mayaguez, Puerto Rico, 1944. 1 Ex65

16806 REPORT of the Puerto Rico experiment station, 1943. 38 p., Mayaguez, Puerto Rico, 1944. 1 Ex65

Radio Broadcasts, National Farm and Home Hour (Processed)

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- Radio Broadcasts.
- Victory Garden Programs (Processed)
- 16839 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Backyard or community garden? 5 p. Feb. 18, 1944. (Victory Gardens No. 42) 1.914 R2R11
- 16840 MOORE, ERNEST, and BOND, C. A. Calling all gardeners. 5 p. Feb. 4, 1944. (Victory Gardens No. 40) 1.914 R2R11
- 16841 MOORE, ERNEST, and BOND, C. A. Getting the most from your Victory garden. 3 p. Feb. 11, 1944. (Victory Gardens No. 41) 1.914 R2R11
- 16842 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Planning a city vegetable garden. 6 p. Mar. 3, 1944. (Victory Gardens No. 44) 1.914 R2R11
- 16843 MOORE, ERNEST, DUMARS, M. L., and HEMPHILL, JOSEPHINE. Planting the early vegetables - I. 5 p. Mar. 10, 1944. (Victory Gardens No. 45) 1.914 R2R11
- 16844 MOORE, ERNEST, and DUMARS, M. L. Planting the early vegetables - II. 5 p. Mar. 24, 1944. (Victory Gardens No. 47) 1.914 R2R11
- Technical Bulletins
- 16845 HILL, H. O., and others. Investigations in erosion control and reclamation of eroded land at the Blackland Conservation Experiment Station, Temple Tex., 1931-41. U. S. D. A. Tech. Bul. 859, 109 p. 1944. 1 Ag84Te
- W. J. Peavy, A. G. McCall, and F. G. Bell, joint authors.
- Texas Agricultural Experiment Station cooperating.
- Unnumbered Publications
- 16846 FARM FLASHES. 28 Nos. 1 p. each, processed. n. d. 1.9 In3F
- For broadcast use only.
- Contents: Better hens on farms; Co-op services for war crops; Farm livestock review; FSA farm-buying policy; Farmers' edge-of-town [roadside] market; Farmers need city help; The Federal Seed Act; Food from flooded acres; Forest fire prevention; Grow more in '44; How manage jack pine; Kite flying danger [because of electric wires]; Milk by machine or hand? Milkers for more milk; Milkweed harvest plan; More home hog killing; New plant breeding work; Pig brooder plans; Progress against Brucellosis [Bang's Disease]; Pyrethrum allotments; Rotenone in small packages; Small aids to victory [with angora rabbits, bees, and canary birds]; Stock calcium arsenate now; Stock feeding prospect; Timber for war and bonds; War crops on contour; Why more food in '44; Women workers on farms.
- 16847 HOMEMAKERS' CHAT. 23 Nos. 3 p. each, processed. 1944. 1.9 In3Hh
- For use in non-commercial broadcasts only.
- About the meat supply. Apr. 12.
- Building up your garden soil. Mar. 24.
- Cheese. Mar. 29.
- Community canning. Apr. 10.
- An entire city [Peoria, Ill.] balances its diet. Mar. 22.



Makeovers for children. Mar. 20.  
No loafing in the breadbox [use up all bread].  
Mar. 17.

News notes on food. Apr. 3.

Question box:

Eat wild greens? How make meringue? More kraut from cabbage crop? Apr. 11.

How remove orange stain? Uses for rhubarb? Can we get raisins now? Mar. 16.

How use dried apples and currents? How prepare asparagus for cooking? How much soya flour to other flour? Apr. 13.

How wash blankets? How wash walls? How serve canned snap beans? Mar. 21.

No expiration dates on red and blue stamps? How use shopping price lists? How get extra shoes for children? Why different ceiling prices? Apr. 6.

When plant spring cabbage? What is 5-10-5 fertilizer? Mar. 28.

Which vegetables for home garden? What tools to buy? When plant different vegetables? Mar. 14.

Why use tokens first? Ration book #3 needed still? Why endorse gasoline coupons? How freshen chairs with little materials? Mar. 23.

Relief for your ration books. Mar. 15.

Storage on household furnishings. Apr. 5.

Strawberry shortcake and biscuit dough. Apr. 7.

Stuffed vegetable main dishes. Mar. 27.

Vitamin value of strawberries? How can asparagus? How save fuel in cooking? Mar. 30.

Wartime nutrition. Apr. 14.

Watch out for clothes moths. Mar. 13.

AGRICULTURAL ECONOMICS, BUREAU OF

16848 CURRENT developments in the farm real estate market. 7 p., processed. 1944. 1.941 L2C93

16849 EARLY spring lamb crop - 1944. 2 p., processed. Mar. 10, 1944. 1.9 Ec742

16850 FOLSOM, J. C. Social security for farm people; a list of references. 9 p., processed. 1944. 1.941 R7S012

16851 KIMBALL, E. S., SMITH, P. W., and MOORE, R. F. Farm production, disposition, and income, chickens and eggs, 1942-1943; chickens on farms, January 1, 1943-1944, by States. 14 p., processed. 1944. 1.9 Ec71Fpc

16852 LARSEN, H. C. Farm-mortgage investments of life insurance companies. 33 p., processed. 1943. 1.941 F4F222

16853 LIVESTOCK on farms Jan. 1. 15 p., processed. 1944. 1.9 Ec742Un

Number and value of different kinds of livestock by States.

16854 MINOR, E. S. Adequacy of district indications in estimating change in cotton acreage. U. S. Bur. Agr. Econ. C. R. P. 16, 6 p., processed. 1944. 1.9 Ec71Crp

16855 MONTHLY sales of principal field crops; 1942 crop with comparisons, by leading marketing States. 13 p., processed. 1943. 1.942 G3M76

16856 1943 CERTIFIED seed potato production exceeds previous record by 42 percent. Supply of war-approved seed potatoes large. 7 p., processed. 1944. 1.941 S2P84

16857 NUTRITION and the war; opinions about food, and their significance for better nutrition. 29 p., processed. 1943. 1.941 A5N95

16858 STINE, O. C. The outlook for agriculture in 1944. 8 p., processed. 1943. 1.941 H22St5

Address at 21st annual Agricultural Outlook Conference, Oct. 20.

16859 A WAR-TIME water facilities plan for the Lower White River Basin in Rio Blanco, Moffat, and Garfield Counties, Colorado (D1b4). 19 p., processed. 1943. 1.9 Ec76Wf

Guidance for the installation of pumping plants and rehabilitation of irrigation systems.

16860 WHITE, B. S., JR., and PORTER, H. G. World needs for U. S. fiber and tobacco. 22 p., processed. 1944. 1.941 S2F44

Paper prepared at the request of the National Planning Association and published as a part of World Needs for U. S. Food and Fiber, by John D. Black, Planning Pamphlets Nos. 25 and 26.

AGRICULTURAL RESEARCH ADMINISTRATION

Agricultural and Industrial Chemistry, Bureau of

16861 INFORMATION sheet on drying-rate nomographs. IV. Shredded cabbage. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-31-IV, 10 p., processed. Albany, Calif., 1944. 1.932 A2Ag82

16862 INFORMATION sheet on velva fruit - a new frozen fruit dessert. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-40, 7 p., processed. Albany, Calif., 1944. 1.932 A2Ag82

16863 REPORT of the Chief of the Bureau of Agricultural and Industrial Chemistry, Agricultural Research Administration, 1943. 40 p. 1944. 1 C42

Animal Industry, Bureau of

16864 REPORT of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1943. 48 p. 1944. 1 An52; also 1 Ag84

16865 SUPPLEMENT to hatcheries and dealers participating in The National Poultry Improvement Plan (changes reported to March 20, 1944). 10 p., processed. 1944. 1.9 An52Ah

Second supplement to A. H. D. 36.

Dairy Industry, Bureau of

16866 ADDRESS list of national and international dairy associations. Rev. 2 p., processed. 1944. (BDIM-Inf-4) 1.973 D4B34

16867 AN INDEX for using the micro-film strip on Holstein cattle families. Rev., 13 p., processed. 1943. 1.9 D14Bd

16868 PARTIAL list of journals relating to the dairy industry. 2 p., processed. 1944. (BDIM-Inf-3) 1.973 D4B34

16869 REPORT of the Chief of the Bureau of Dairy Industry, Agricultural Research Administration, 1943. 24 p. 1944. 1 Ag84; also 1 D14

Entomology and Plant Quarantine, Bureau of

16870 DOVE, W. E. The migration and the abundance of the screwworm [Cochliomyia americana] in 1943. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey. Spec. Sup., 6 p., processed. 1943. 1.9 En831B

16871 INFORMATION about bee culture. U. S. Bur. Ent. and Plant Quar. E-276, 8 p., processed. Beltsville, Md., 1944. 1.9 En83

Lists of publications, supply houses, organizations in the industry; U. S. D. A. activities; advice to beginners; cardinal points to be observed in keeping bees.

16872 LATTA, RANDALL, and JOHNSON, A. C. Methyl bromide fumigation of nursery stock for the oriental fruit moth [Grapholitha molesta]. U. S. Bur. Ent. and Plant Quar. E-614, 14 p., processed. 1944. 1.9 En83

16873 REPORT of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1943. 58 p. 1944. 1 Ag84



Experiment Stations, Office of

16874 LIST of agricultural experiment stations in the United States, January, 1944. 2 p., processed. 1944. 1.9 Ex6L1

16875 LIST of land-grant colleges in the United States, January 1944. 2 p., processed. 1944. 1.9 Ex6La

16876 REPORT of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1943. 12 p. 1943. 1 Ag84

16877 STEECE, H. M. Soybean projects of the State agricultural experiment stations, 1944. 23 p. processed. 1944. 1.9 Ex6So

Human Nutrition and Home Economics, Bureau of

16878 REPORT of the Chief of the Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, 1943. 12 p. 1944. 1 Ag84

Plant Industry, Soils and Agricultural Engineering, Bureau of

16879 KELLOGG, C. E. Our garden soil. 7 p., processed. 1944. 1.965 S6Ou7

Improving the soil; watering; crop selection.

16880 NUNNS, F. K. Soil survey of the Upper Musselshell Valley area, Montana. U. S. Bur. Plant Indus. Soils and Agr. Engin. [Soil Survey Rpt.] Ser. 1939, No. 1, 48 p. 1943. 1 So32F

Montana Agricultural Experiment Station cooperating. Folded map in pocket.

16881 REPORT of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1943. 32 p. 1944 1 Ag84; also 1 P69

FARM CREDIT ADMINISTRATION

16882 HEDGES, HAROLD. Regional grain cooperatives 1942-43. U. S. Farm Credit Admin. Spec. Rpt. 128, 5 p., processed. 1944. 166.2 Sp3

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

16883 INFORMATIONAL materials on foreign agriculture, January 1937-December 1943; a list of articles and studies on agricultural development in foreign countries, foreign competition and demand for farm products and foreign agrarian policies appearing in bulletins and periodicals issued by the Office of Foreign Agricultural Relations. 27 p., processed. 1944. 1.943 In3

FOREST SERVICE

16884 BETTS, H. S. American woods. 4 Nos. 1943. 1.9 F76Am

Contents:

Cottonwood [Poplar]. 11 p.

Douglas-fir [Pseudotsuga taxifolia]. Ref., p. 14-15. 15 p.

Lodgepole pine [Pinus contorta latifolia]. 6 p.

Sweetgum [Liquidambar styraciflua]. 11 p.

16885 HOW TO sharpen cross-cut saws. 6 p., processed. n. d. 1.962 A2H832

U. S. Soil Conservation Service cooperating.

16886 MISSOURI forests; a ready reference for those interested in forest restoration. 45 p., processed. 1943. 1.962 A2M692

Missouri Conservation Commission cooperating.

Nontechnical statement on the situation with suggestions for remedying unsatisfactory conditions.

16887 TECHNICAL note. 3 Nos., processed. Madison, Wis., U. S. Forest Serv. Forest Prod. Lab., 1943. 1.9 F761

No. 168. The effect of moisture content on the bursting strength of fiberboard. Rev. 2 p.

No. 179. The re-use of waste paper. Rev. 2 p. (Formerly entitled "The De-inking of Newspapers.")

No. 186. Coatings that prevent end checks. Rev. 4 p.

16888 TIMBER production war project handbook. Amendment list number thirteen. Looseleaf sheets, processed. 1944. 1.962 A2H19

16889 WATTS, L. F. Where are the goal posts? 8 p., processed. 1944. 1.962 A2W34

Address at Southern Forestry Conference, Atlanta, Jan. 20, on forest practices and policies, with special reference to the South.

GRADUATE SCHOOL

16890 CORRESPONDENCE courses. 14 p., processed. 1943. 1.984 C81

16891 GRADUATE SCHOOL announcement, spring semester. 4 Nos., processed. n. d. 1 Ag854E

Lists of courses for students interested in the following subjects: Labor problems. 1 p.; Personnel administration. 2 p.; Public administration. 1 p.; Transportation and traffic management. 1 p.

INFORMATION, OFFICE OF

16892 FARMERS' bulletins Nos. 1901-1925 with contents. 12 p. 1944. 1 Ag84F

16893 FOOD information series. 4 Nos., processed 1944. 1.914 A5F733

No. 82. USDA post-war study, "Demand for Farm Products Depends upon the City." 10 p. Feb. 16.

No. 84. Questions and answers about farm wage stabilization. 5 p. Feb. 21.

No. 84-A. Cotton growers should buy calcium arsenate now. 1 p. Mar. 1.

No. 84-B. Web harness [wartime substitute for leather harness]. 1 p. Mar. 9.

16894 STRUCTURE, functions, and origins of the Department of Agriculture and its constituent agencies. Rev., 17 p., processed. Mar. 1944. 1.914 A20r4

LIBRARY

16895 BIBLIOGRAPHY of agriculture; index to volume 1, July-December 1942. Subjects. 123 p., processed. 1.916 B471

16896 MCNEILL, J. M. Agricultural credit; publications of the Federal Government and State Agricultural Colleges, 1929-1943. U. S. D. A. Libr. Libr. List 7, 41 p., processed. 1944. 1.916 L612

16897 WHEELER, M. E. Rural housing; a selected list of references prepared for postwar planning groups in the Great Plains Region. 28 p., processed. Lincoln, Nebr., 1944. 1.916 L63R

RURAL ELECTRIFICATION ADMINISTRATION

16898 WATKINS, B. O., and LUBIN, S. Transformer problems. U. S. Rural Electrification Admin. Tech. Standards Bul. 10, 36 p., processed. 1944. 1.933 T22

SECRETARY, OFFICE OF

16899 SIMS, S. D. Farm land boom. 6 p., processed. 1944. 1.91 A2S15

Address at Tax Institute Symposium, Feb. 7.

16900 WICKARD, C. R. Agricultural products [fruits and vegetables] and air transportation. 4 p., processed. 1944. 1.91 A2W63

Address, Mar. 23.

16901 WICKARD, C. R. Exploring agriculture's postwar economic problem. 6 p., processed. 1944. 1.91 A2W63

Address, Mar. 22.



16902 WICKARD, C. R. Victory gardens in 1944.  
2 p., processed. 1944. 1.91 A2W63  
Radio address, Feb. 26.

#### Budget and Finance, Office of

16908 CHECK list of Budget and Finance circulars,  
Nos. 699-743 inclusive. U. S. D. A., Off. Budget  
and Finance, Budget and Finance Cir. 505, sup. 10,  
p. 48-51. Feb. 4, 1944. 1.9 Ag872B

Includes also a 3-page list of supplements to and  
revisions of circulars.

16904 INDEX to General Regulations of the Comptroller General. U. S. Dept. Agr. Off. Budget and Finance, Budget and Finance Cir. 627, rev. 1, 24 p., processed. 1944. 1.9 Ag872B

Brings up to date and supersedes the index issued as Budget and Finance Circular 627, dated October 31 1942.

#### Personnel, Office of

16905 EASIER typing. U. S. Dept. Agr. Off. Personnel, Admin. Ser. 1, 19 p. 1943. 1 P432A

16906 REID, T. R. Statement to be made...at opening of meeting of Personnel of U. S. Department of Agriculture at St. Louis, November 30, 1943. 5 p., processed. 1943. 1.917 A2R27

#### SOLICITOR, OFFICE OF

16907 SHIELDS, R. H. Food Fights for Freedom. 16 p., processed. 1943. 1.918 Ag8  
Speech prepared for delivery on Nov. 9.

#### WAR FOOD ADMINISTRATION

16908 "FOOD Fights for Freedom;" spring program on unrationed and low-point foods will be known as "No-Point---Low-Point Foods" promotion. 5 p., processed. 1944. 1.9424 A2F31

16909 FOOD program for 1944. 96 p. 1944. 1 F735F

Includes requirements, production increase since 1939, production capacity and goals, price stabilization, foreign food procurement program, distribution, labor, materials and facilities, transportation and storage, fishery program, world food situation, etc. Compiled in response to a request by Director James F. Byrnes, Office of War Mobilization.

16910 GROW more in '44. 3 p., processed. 1944 1.9424 A2F92

From the desk of Marvin Jones, War Food Administrator.

16911 JOHNSON, J. S. Sales promotion program no-point and low-point foods for the spring of 1944. 11 p., processed. 1944. 1.9424 A2J63

Remarks before the National American Wholesale Grocers Association, Chicago, Jan. 24.

16912 JONES, MARVIN. Beef goes to war. 4 p., processed. 1944. 1.9424 A2J72

Radio address, Feb. 16, about beef cattle and beef.

16913 JONES, MARVIN. Milk goes to war. 3 p., processed. 1944. 1.9424 A2J72

Radio address, Mar. 15.

16914 JONES, MARVIN. Remarks...on Farm and Home Hour Program, January 15, 1944, announcing the Achievement "A" Awards for food production and processing. 2 p., processed. 1944. 1.9424 A2J72

16915 JONES, MARVIN. Saving food is everyone's job. 4 p., processed. 1944. 1.9424 A2J72

Radio address, Feb. 24.

16916 JONES, MARVIN. Water and the land. 4 p., processed. 1944. 1.9424 A2J72

Radio address, Mar. 10, on soil conservation.

16917 JONES, MARVIN. We have just begun to work. 3 p., processed. 1944. 1.9424 A2J72

Radio address, Feb. 10, on the farm labor program.

16918 JONES, MARVIN. Wheat goes to war. 3 p., processed. 1944. 1.942 A2J72

Radio address, Mar. 1.

16919 UPSON, MARK. The vital importance of conserving transportation. 5 p., processed. 1943. 1.9424 T2Up8

Statement, Nov. 5.

16920 YOUR markets have moved. 8 p., processed. n. d. 1.9424 A2Y8

Food distribution and population changes with pictures and maps.

#### Agricultural Adjustment Agency

16921 DODD, N. E., and KADDERLY, W. L. A guide to 1944 farm conservation practices. 4 p., processed. 1944. 1.42 W52Do

"Farm and Home Hour script for February 21, 1944."

16922 DUGGAN, I. W. American cotton in the post-war world. 5 p., processed. 1944. 1.42 So8Du

Statement at Post-War Cotton Meetings in Auburn, Ala., Jan. 14; Atlanta, Jan. 17; Columbia, S. C., Jan. 18.

16923 1944 AGRICULTURAL Conservation Program handbook, Western Region. 7 p., processed. 1944. (WR-800) 1.42 W52F

Includes provisions relating to payments for participation in the program.

#### Commodity Credit Corporation

16924 COMMODITY CREDIT CORPORATION instructions concerning loans on 1943 corn. 5 p., processed. 1943. (1943 C. C. C. Corn Form 1) 1 C731C

Also Supplement 1 - for various States - which gives State corn loan values.

16925 HUTSON, J. B. Food production problems in 1944. 21 p., processed. 1944. 1.957 H97

Address at Farm and Home Convention, University of Kentucky, Lexington, Jan. 26.

16926 HUTSON, J. B. Support prices and the food production program for 1944. 21 p., processed. 1944. 1.962 A2W34

Address at ninth annual meeting of the North Carolina Farm Bureau Federation, Raleigh, Feb. 2.

#### Distribution, Office of

16927 ANNOUNCEMENTS of intentions to purchase or sell certain commodities through the Federal Surplus Commodities Corporation. 61 Nos., processed. 1944. 1.9422 A8An7

FSC-1615, sup. 3. Purchase of dry edible beans. 1 p. Feb. 17.

FSC-1621, sup. 4. Purchase of grade 5 milled rice. 1 p. Feb. 3.

FSC-1785. Colored oleomargarine (temperata). 3 p. Jan. 1.

FSC-1786. Cold pressed oil of grapefruit. 1 p. Jan. 4.

FSC-1788. Vegetable seed. 1 p. Jan. 10.

FSC-1789. Nutritional yeast powder and/or tablets. 1 p. Jan. 12.

FSC-1791. Baled raw cotton. 2 p. Jan. 18.

FSC-1793. Sale of dry pea and soya soup powder. 2 p. Jan. 25.

FSC-1794. Australian brown onions. 1 p. Jan. 24.

FSC-1796. Miscellaneous feeds. 4 p. Jan. 27.

FSC-1798. Special degerminated yellow corn grits. 3 p. Jan. 24.

FSC-1799. Hard wheat flour (enriched) compressed. 3 p. Jan. 26.

FSC-1800. High protein spaghetti. 1 p. Feb. 5.

FSC-1801. Edible linseed oil [raw]. 2 p. Jan. 25.

FSC-1802. Edible linseed oil [refined]. 2 p. Jan. 25.

FSC-1803. Sale of dry skim milk and dried whole eggs (unfit for human consumption). 1 p. Jan. 20.



- FSC-1808. Concentrated citrus juices. 3 p. Jan. 31. Sup. 1, issued Mar. 23. 1 p.
- FSC-1810. Purchase of fresh shell eggs. 5 p. Jan. 27; Amend. 1 to FSC-1810. 1 p. Feb. 12; Amend. 2, 1 p. Mar. 5.
- FSC-1812. Hard wheat flour (enriched). 1 p. Feb. 14.
- FSC-1812, amend. 1. [Suspends FSC-1812, until further notice.] 1 p. Feb. 24.
- FSC-1813. Toilet soap. 2 p. Jan. 29.
- FSC-1814. Flavored dessert powders. 2 p. Feb. 2.
- FSC-1815. Semolina. 3 p. Feb. 1.
- FSC-1816. Pearl barley cereal. 2 p. Feb. 2.
- FSC-1817. Farina. 3 p. Feb. 1.
- FSC-1818. Hard wheat flour (enriched). 3 p. Feb. 2.
- FSC-1819. Sale of off-condition dried beans, peas and rolled oats (suitable for animal feed). 1 p. Jan. 31.
- FSC-1821. Mustard flour. 3 p. Feb. 4.
- FSC-1823. Oil of Chenopodium (American wormseed oil). 1 p. Feb. 5.
- FSC-1828. Candles. 1 p. Feb. 11.
- FSC-1830. Miscellaneous commodities [Canned fruit, fruit juices, sea food, pickles and sauces, sirup and sugar, dried fruit, spices, cereals, grocery sundries]. 4 p. Feb. 14.
- FSC-1833, amend. 2. Purchase of dried whole eggs. 1 p. Mar. 1.
- FSC-1834. Consumer pack dried skim milk. 1 p. Feb. 26.
- FSC-1837. Evaporated milk. (Supersedes Announcement FSC-1485.) 4 p. Mar. 21.
- FSC-1839. Vegetable seeds (growing contracts for 1945). 1 p. Feb. 15.
- FSC-1840. Wheat flour (enriched); Standard millrun mixed wheat feed. 3 p. Feb. 19.
- FSC-1841. Australian brown onions. 1 p. Feb. 25.
- FSC-1849. No. 2 Heavy white oats or No. 2 heavy red oats. 3 p. Mar. 2.
- FSC-1851. Purchase of grade B dried whole eggs. 1 p. Mar. 3. Also Schedule FSC-1851, Purchase specifications for grade B dried whole eggs. 6 p. Mar. 3.
- FSC-1852. Alfalfa meal. 3 p. Mar. 4.
- FSC-1853. Wheat bran & screenings [and] standard wheat middlings or gray shorts. 3 p. Mar. 2.
- FSC-1855. Processed fresh strawberries. 1 p. Mar. 10. Also three attachments - Containers for food preserved with sulphur dioxide (SO<sub>2</sub>) solution. 1 p.; Purchase contract. 4 p.; Method of processing strawberries. 3 p.
- FSC-1856. Processed fresh raspberries. 1 p. Mar. 10. Attachments similar to FSC-1855 noted above.
- FSC-1855 and 1856, Sup. 1. [Amends specifications to include new paraffin lined red oak barrels.] 1 p. Mar. 31.
- FSC-1859. Sale of whole black pepper. 2 p. Mar. 13.
- FSC-1861. Canned sea herring and canned Maine sardines. 2 p. Mar. 6.
- FSC-1862. Sale of fish oil. 2 p. Mar. 1.
- FSC-1864. Sale of dry skim milk (unfit for human consumption). 1 p. Mar. 1.
- FSC-1867. High protein spaghetti. 1 p. Mar. 8.
- FSC-1868. Hard wheat flour (enriched). 3 p. Mar. 9.
- FSC-1870. Repackaging of butter. 1 p. Mar. 6.
- FSC-1872. Table salt. 1 p. Mar. 13.
- FSC-1873. Canned Alaska salmon. 1 p. Mar. 16. 1 p. Correction issued Mar. 17.
- FSC-1874. Buckwheat cereal. 3 p. Mar. 18.
- FSC-1876. Biscuits (hard bread). 2 p. Mar. 18.
- FSC-1878. Spices. 3 p. Mar. 22.
- 16928 ANNUAL report on tobacco statistics, 1943. 83 p., processed. 1943. (CS-6) 1.9422 A8C732
- 16929 CATTLE and calves: monthly average price per 100 pounds, Houston, 1943. Based on the mean of daily range of quotations. 1 p., processed. Houston, n. d. 1.9422 L8C29Ho
- Similar reports for Denver, Jersey City, Montgomery, North Portland.
- 16930 CATTLE and calves: weekly average price per 100 pounds, Denver, 1943. Based on the mean of daily range of quotations. 2 p., processed. Denver, 1944. 1.9422 L8C29Dnw
- Similar reports for Houston, Indianapolis, Jersey City, Montgomery, North Portland.
- 16931 CURED pork cuts and lard: monthly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, n. d. 1.9422 M8C92Ch
- Similar report for New York.
- 16932 CURED pork cuts and lard: weekly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations. 1 p., processed. Chicago, 1944. 1.9422 M8C92Chw
- Similar report for New York.
- 16933 DETERMINATION of fair and reasonable prices for the 1944 crop of Hawaiian sugarcane. 1 p. 1943. (S. D. 176) 1.94 Su3Sd
- 16934 DETERMINATION of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of sugarcane in Puerto Rico during the calendar year 1944. 2 p. 1944. (S. D. 178) 1.94 Su3Sd
- 16935 DETERMINATION of (1) normal yield of commercially recoverable sugar per acre and (2) eligibility for payment with respect to abandonment and crop deficiency for farms in the mainland cane area (revised). 2 p. 1943. (S. D. 92, rev. 1) 1.94 Su3Sd
- 16936 DISTRIBUTION problems of a shifting population. 24 p., processed. 1943. 1.9422 A2D63
- An attached summary - "Highlights of Population Shifts" - gives civilian population changes by State and county from U. S. Census Bureau estimates.
- 16937 DODDS, J. E. Food processing in wartime. 9 p., processed. 1944. 1.9422 Fr5D66
- Address at annual Food Processors' Conference, Chicago, Feb. 13.
- 16938 DOMESTIC wool: monthly average prices at Boston, 1943. 1 p., processed. Boston, n. d. 1.9422 L8D71Bp
- Similar reports of prices, grease basis - bright fleece; Scoured basis.
- 16939 DOMESTIC wool: weekly average prices at Boston, 1943. 1 p., processed. Boston, 1944. 1.9422 L8D71Bp
- Similar reports of prices, grease basis - bright fleece; Scoured basis.
- 16940 DRIVEN-IN receipts of livestock, 1943. 19 p., processed. 1944. 1.9 Ec713Dr
- Compiled under the direction of E. M. Jordan. Includes all livestock received at markets other than that received by rail.
- 16941 FACTS on food waste. 4 p., processed. Chicago, U. S. Food Distrib. Admin. Great Lakes Region, 1943. 1.9422 N2F11A
- 16942 FOOD distribution order...Questions and answers. 4 Nos., processed. 1944. 1 F733F
- Canned fish (FDO 44, amend. 2). 4 p. Mar. 15.
- Fish oil (FDO 60, amend. 2). 2 p. Mar.
- Linseed oil (FDO No. 63, amend. 1 and 2). 7 p. Feb.
- Sperm oil (FDO No. 37, amend. 1). 2 p. Feb.



16943 THE FOOD we live by. Rev., 14 p. 1943.  
(NFC-5) 1 F733N

Prepared by the U. S. Office of Education. For young people interested in their own food and nutrition problems.

16944 GORDON, M. J. FDA's interest in community food preservation. 5 p., processed. 1944.  
1.9422 Cir2065

Address before meeting of the National Community Food Preservation Workshop, at Peoria, Jan. 17.

16945 HENDRICKSON, R. F. "Hunger quits school." 2 p., processed. Chicago, 1943. 1.944 A2E38  
Text of remarks on the Consumer Time Program, Nov. 13, 1943, on the school lunch program.

16946 HOGS: weekly average price per 100 pounds, Indianapolis, 1943. Based on the mean of daily range of quotations. 1 p., processed. Indianapolis, 1943. 1.9422 L8H67Inw

Covers the January-June period.

Similar report for South St. Paul.

16947 MAKING the most of meats in the industrial lunchroom. 29 p., processed. 1944. 1.9422 N2M28  
Preliminary working draft subject to revision.

Includes recipes for meat extenders and meat alternatives.

16948 MARSHALL, LEE. Meeting our 1944 [food] objectives. 6 p., processed. 1944. 1.9422 A2M35  
Address, Jan. 24.

16949 MEYER, E. A. Cooperation between Government and the food industry. 6 p., processed. 1944. 1.9422 In2M57

Address at Food Processors' Conference, Chicago, Feb. 13.

16950 1943 [CARLOT] unloads of fruits and vegetables at Cleveland, Ohio; annual summary. 17 p., processed. 1944. 1.9 Ec741Um

Data by commodities. Comparative monthly totals shown for 1941 and 1942, where unloads were reported for those years.

16951 ORDER amending regulations relating to meat inspection. 1 p. Jan. 4, 1944. 1 An50

Amendment 18 to B. A. I. Order 211, revised.

16952 OUTLINE specifications for typical plans skim-milk drying plants. 4 p., processed. 1943. 1.9422 D5Ou8

16953 POLLOCK, E. O. Extension's interest in FDA programs. 5 p., processed. Chicago, 1943. 1.9422 A2P76

Talk before Annual Extension Conference Madison College of Agriculture, Madison, Wis., Dec. 9.

16954 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, and other special programs. 140 Nos., processed. 1944. 1.9422 A8In3

Lists commodities, grade, prices, and vendors.

Cotton. 1 No., IPR-413.

Dairy and poultry products. 31 Nos., IPR-391-409, 416-419, Sup. to 419, 422-424, Sup. to 423, 426, Sup. to 426, 427.

Fish and fish products. 24 Nos., IPR-394-409, 416-418, 421-425.

Fruits, vegetables & products. 21 Nos., IPR-395-401, Sup. to 397, 403-406, 409, 413-414, Sup. to 415, 421, Sup. to 421, 423, Sup. to 423, 425.

Grains, cereals, feeds and seeds. 18 Nos., IPR-394, 396, 398-399, 401-409, Sup. to 414, 419-420, 424, 426.

Meat and meat products. 23 Nos., IPR-395-407, 413-414, 418-425.

Miscellaneous foodstuffs. 12 Nos., IPR-396-399, 401, 403-408, 419-420.

Miscellaneous non-foodstuffs. 1 No., IPR-424.

Rice. 9 Nos., IPR-394, 398, 400, 404, 407, 412, 419, 421, 425.

16955 REED, H. E. Wartime meat programs. 6 p., processed. 1944. 1.9422 L2E25

Address, American National Live Stock Association, Denver, Jan. 14.

16956 SMITH, S. R. Fruit and vegetable price and companion regulations; objectives of the Government program. 12 p., processed. 1943. 1.9422 A2Sm6

Address at meeting of American Farm Bureau Federation, Chicago, Dec. 6.

16957 TOTAL receipts of butter at Chicago, Illinois, for year 1942. 2 p., processed. Chicago, n. d. 1.9422 D8T64

Data by months and for years 1939-1942.

16958 WESTERN dressed fresh meats...Monthly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations.

6 Nos., processed. Chicago, n. d.

Beef and veal. 2 p. 1.9422 M8W52Bc

Lamb and mutton. 1 p. 1.9422 M8W52Lc

Pork cuts. 1 p. 1.9422 M8W52Pc

Similar reports for New York.

16959 WESTERN dressed fresh meats...Weekly average wholesale price per 100 pounds, Chicago, 1943. Based on the mean of daily range of quotations.

6 Nos., processed. Chicago, 1944.

Beef and veal. 2 p. 1.9422 M8W52Bcw

Lamb and mutton. 1 p. 1.9422 M8W52Lcw

Pork cuts. 1 p. 1.9422 M8W52Pcw

Similar reports for New York.

16960 WHOLESALE prices of fruits and vegetables and tree nuts at New York City, Chicago, and leading shipping points, by months, 1943. 57 p., processed. 1944. 1.942 P43W62

#### Extension Service

16961 GRILE, LUCINDA. A second nation-wide status inventory of neighborhood-leader work. U. S. Ext. Serv., Ext. Serv. Cir. 415, 6 p., processed. 1944. 1.9 Ex892Esc

16962 FRUTCHIEY, F. P., and LATHROP, F. W. Non-farm youth work on farms; a summary of nine evaluation studies of the 1943 Victory Farm Volunteers Program. 7 p., processed. 1944. 1.913 E2N73

16963 FRUTCHIEY, F. P., and LATHROP, F. W. The Victory Farm Volunteers do good work. 103 p., processed. 1943. 1.913 E2V662

Studies of nonfarm youth in three types of volunteer labor programs - live-in; day-haul; camps.

16964 LYLE, S. P. Farm fire prevention extension work. 4 p., processed. 1943. 1.913 A2L98

Statement at joint meeting of the agricultural committees of the National Fire Waste Council and National Fire Protection Association, Chicago, Nov. 29.

16965 NATIONAL CONFERENCE ON HOME FOOD PRESERVATION, CHICAGO, 1944. A compilation of papers read, and summaries of statements made... at Chicago, Illinois, January 13 to 15, 1944. 54 p., processed. 1944. 1.913 C3N214

16966 NATIONAL CONFERENCE ON HOME FOOD PRESERVATION, CHICAGO, 1944. Reports of conference committees adopted by Conference on Home Food Preservation, Chicago, Illinois, January 13-15, 1944. 26 p., processed. 1944. 1.913 C3N214R

16967 NATIONAL 4-H Mobilization Week, March 4-12, 1944. 9 p., processed. 1944. 1.913 F3N212

Suggestions for County Extension Agents and local leaders.

16968 WILSON, M. L. County agents and the war effort. 8 p., processed. 1943. 1.913 A2W69

Remarks before annual meeting of the National Association of County Agricultural Agents, Chicago, Nov. 30.



16969 WILSON, M. L. National food requirements and home food preservation needs. 5 p., processed. 1944. 1.913 A2W69

Statement before National Home Food Preservation Conference, Chicago, Jan. 13.

#### Farm Security Administration

16970 THE ANNUAL report of the Farm Security Administration, 1942-3. 24 p., processed. n. d. 1.5 R29; also 1 Ag84

16971 HANCOCK, FRANK. Opening statement...at the meeting with FSA Regional Directors...Cincinnati, Ohio,...January 10, 1944. 7 p., processed. 1944. 1.95 Ad8Ha

Objectives and work of the Farm Security Administration.

16972 HUDGENS, R. W. What do we win when we win a war? 10 p., processed. 1944. 1.95 Ad8H

Speech at a conference sponsored by the Michigan Food for Victory Committee, Grand Rapids, Feb. 4.

Our responsibility in the construction of a better economic framework, with special reference to the rural areas.

#### Soil Conservation Service

16973 AYERS, R. S. Physical land conditions on the San Mateo County Soil Conservation District, California. U. S. Soil Conserv. Serv. Physical Land Survey 33, 36 p. 1943. 1.6 So31

Partial contents: Using the land in the...District; Physical features; Climate; Types of farming and land use; The soil conservation survey.

Folded maps in pocket.

16974 BUIE, T. S. The machinery factor in soil conservation. 6 p., processed. 1943. 1.9602 B86

Address, Dec. 7.

16975 DANIEL, H. A. Revegetation and pasture investigation on formerly unused and abandoned land in the Red Plains [Okla.]. 2 p., processed. Guthrie, Okla., n. d. 1.9604 R32

16976 FARM planning and management for soil conservation. 141 p., processed. Milwaukee, Wis., 1944. 1.9605 F221

Revision of a handbook prepared in June 1942 for the Upper Mississippi Region.

16977 NEWS release, Region 5. 11 Nos., 1 p. each, processed. 1943-44.

North Dakota: Crested wheatgrass pasture really pays. Dec. 15; Hay and pasture from former low-yield field. Jan. 5; Stock water dugout helps food producer. Dec. 29; Stubble-mulch farming pays, North Dakota says. Dec. 22. 1.9607 N47No

South Dakota: Crested wheatgrass is profitable crop. Dec. 8; Forestry project opens supply of fence posts. Dec. 22. 1.9607 N47S

Wyoming: Former waste land now has wildlife crop. Jan. 5; Hayland production is boosted quickly.

Dec. 8; Rotation grazing pays dividends, rancher says. Dec. 29; Spillgate ends flood troubles for rancher. Dec. 15; Willow clearing doubles farm's producing ability. Dec. 22. 1.9607 N47W

16978 SNOW surveys and irrigation water forecasts for Oregon as of March 1, 1944. 13 p., processed. 1944. (v.9, No. 2) 1.96 R31Fs

Oregon Agricultural Experiment Station, Oregon State Engineer, U. S. Forest Service, and National Park Service cooperating.

16979 SNOW surveys and irrigation water forecasts for the Colorado River Drainage Basin, March 1, 1944. 6 p., processed. 1944. 1.96 R31Fac

Colorado Agricultural Experiment Station cooperating.

16980 SUTTON, J. G. Drainage as an aid to increased food production. 8 p., processed. 1944. 1.96 Op2Dr

Presented at the annual meeting of the American Society of Agricultural Engineers at Lafayette, Ind., June, 1943.

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STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
MAY 1944

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

16981 HARRINGTON, A. H., JONES, P. E., and LAGRONE, W. F. Peanuts: a war crop on Alabama farms. Ala. Agr. Expt. Sta. Agr. Econ. Mimeog. 1, 27 p. 1943. 100 ALIag

Arizona Agricultural Experiment Station, Tucson

16982 SMITH, M. C., CALDWELL, EMILY, and BURLINSON, L. O. The vitamin A, B<sub>1</sub>, and C values of home-dehydrated vegetables. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 57, 11 p. 1944. 100 Ar4M

16983 SMITH, M. C., and others. The vitamin C values of vegetables after institutional preparation for consumption by the Army and Navy training groups at the University of Arizona. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 59, 16 p. 1944. 100 Ar4M

Emily Caldwell, Winifred Ross, and M. A. Wood, joint authors.

16984 TETREAU, E. D. Arizona farm labor situation and outlook for 1944. Ariz. Agr. Expt. Sta. Mimeog. Rpt. 58, 7 p. 1944. 100 Ar4M

Colorado Agricultural Experiment Station, Fort Collins

16985 BEACH, GEORGE, and BRYANT, L. R. Grape growing in Colorado. Colo. Agr. Expt. Sta. Bul. 484, 14 p. 1944. 100 C71S

16986 WEIHING, R. M., and others. Growing alfalfa in Colorado. Colo. Agr. Expt. Sta. Bul. 480, 36 p. 1943. Ref., p. 35-36. 100 C71S

D. W. Robertson, O. H. Coleman, and R. Gardner, joint authors.

16987 COLORADO farm bulletin, v. 6, No. 2, 15 p. Mar./Apr. 1944. 100 C71S

Florida Agricultural Experiment Station, Gainesville

16988 EMMEL, M. W. Chicken pox. Fla. Agr. Expt. Sta. Press Bul. 595, 2 p. 1944. 100 F66S

16989 EMMEL, M. W. Cocklebur poisoning among livestock. Fla. Agr. Expt. Sta. Press Bul. 594, 2 p. 1944. 100 F66S

Georgia Agricultural Experiment Station, Experiment

16990 COCHRAN, H. L. Fertilizer and other experiments with pimientos. Ga. Agr. Expt. Sta. Bul. 231, 20 p. 1943. 100 G29S

16991 BLEDSOE, R. P., BALLARD, W. W., and SMITH, A. L. Cotton variety tests in Georgia, 1938-1943. Ga. Agr. Expt. Sta. Cir. 144, 7 p. 1944. 100 G29S

Indiana Agricultural Experiment Station, Lafayette

16992 GOULD, G. E. The biology and control of the striped cucumber beetle, *Diabrotica vittata* (Fabr.). Ind. Agr. Expt. Sta. Bul. 490, 28 p. 1944. Ref., p. 26-28. 100 In2P

16993 MILES, S. R. Choosing corn hybrids for Indiana. Ind. Agr. Expt. Sta. Bul. 492, 63 p. 1943. 100 In2P

16994 ROBERTSON, LYNN. Profitable farm organization in northwestern Indiana (Type-of-farming Area 1). Ind. Agr. Expt. Sta. Bul. 491, 35 p. 1944. 100 In2P

16995 ANDREWS, F. N., and HARVEY, A. L. 30 years stallion enrollment in Indiana, report of Stallion Enrollment Board for the year 1943 with lists of stallions and jacks enrolled. Ind. Agr. Expt. Sta. Cir. 293, 38 p. 1943. 100 In2P

16996 BINNEY, T. H. Twenty-ninth annual report of the Creamery License Division for the year ending March 31, 1943. Ind. Agr. Expt. Sta. Cir. 292, 15 p. 1943. 100 In2P

Statistics concerning total production of licensed dairy manufacturing plants.

16997 HILTON, J. H., WILBUR, J. W., and MOTT, G. O. Alfalfa-bromegrass makes good pasture. Ind. Agr. Expt. Sta. Cir. 290, 6 p. 1944. 100 In2P

16998 QUACKENBUSH, F. W., and others. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. Cir. 291, 149 p. 1943. 100 In2P

A. S. Carter, E. R. Clark, R. B. Schulte, Pauline Balbach, Virginia Lee, J. H. Olson, C. M. Cohee, J. W. Jackman, L. C. Shenberger, and H. C. Kennedy, joint authors.

16999 QUACKENBUSH, F. W., MITCHELL, H. L., and CARTER, A. S. Inspection of legume inoculants. Ind. Agr. Expt. Sta. Cir. 294, 4 p. 1943. 100 In2P

17000 SCARSETH, GEORGE, and MOTT, GERALD. All-out fertility for food production. Ind. Agr. Expt. Sta. Agron. Mimeog. 39, 7 p. 1943. 100 In2Agr

Iowa Agricultural Experiment Station, Ames

17001 QUALFE, E. L. The brood sow and litter; feeding and management. Iowa Agr. Expt. Sta. Bul. P59, p. 905-920. 1944. 100 Io9

17002 ENGLEHORN, A. J., and BUNCE, A. C. Adjusting crop acreages for war production to the soil resources of Iowa. Iowa Agr. Expt. Sta. Res. Bul. 324, p. 105-140. 1943. 100 Io9

Discusses soil conservation.

17003 HEADY, E. O., HOPKINS, J. A., and MCKIBBEN, E. G. Cost, distribution and utilization of farm machinery in Iowa. Iowa Agr. Expt. Sta. Res. Bul. 323, p. 57-104. 1943. 100 Io9

17004 SHEPHERD, GEOFFREY, and PATERSON, D. G. The proper size and location of corn stabilization stocks. Iowa Agr. Expt. Sta. Res. Bul. 321, 24 p. 1943. 100 Io9

17005 TIFFANY, M. E., and REID, M. G. Some farm family gardens pay in dollars. Iowa Agr. Expt. Sta. Res. Bul. 322, p. 25-54. 1943. 100 Io9



17006 REPORT on agricultural research for the year ending June 30, 1943. Part I. Project reports, publications, staff, and financial statement. 298 p. 1944. 100 I09

Research reported on agronomy, soils, animal husbandry, animal chemistry and nutrition, dairy husbandry, poultry husbandry, bacteriology, botany and plant pathology, chemistry, dairy industry, entomology and economic zoology, forestry, genetics, home economics, household equipment, horticulture, rural social science, agricultural economics, consumption economics, rural education, and statistics.

17007 REPORT on agricultural research for the year ending June 30, 1943. Part II. Iowa Corn Research Institute, eighth annual report. 79 p. 1944. 100 I09

Reports research for corn on soils and soil management, cultural methods, equipment and buildings, weed eradication, breeding, diseases, insect pests, chemical composition, industrial utilization, corn products in human and animal nutrition, and economic phases of production and utilization.

Kansas Agricultural Experiment Station, Manhattan

17008 DECKER, S. W., ELMER, O. H., and DEAN, G. A. Potato production in Kansas. Part I. Production and cultural practices. Part II. Diseases and their control. Part III. Insects attacking potatoes. Kans. Agr. Expt. Sta. Bul. 322, 52 p. 1944. 100 K133

17009 BARNETT, R. J., and FILINGER, G. A. Pruning fruit trees in Kansas. Kans. Agr. Expt. Sta. Cir. 218, 24 p. 1944. 100 K135  
Revision of Circular 197.

17010 BAYFIELD, E. G. Research in milling industry at the Kansas Agricultural Experiment Station. 16 p. Kans. Agr. Expt. Sta., 1942. 298.9 K132

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

17011 PLANNING for post-war agriculture in Louisiana: a progress report of the Land-Grant College of Agriculture Planning Committee. La. Agr. Expt. Sta. Mimeog. Cir. 39, 155 p. 1944. 100 L935

17012 DAIRY research digest, v. 1, Nos. 1-3; v. 2, No. 1, 4 p. each. May, Aug., Dec. 1943; Mar. 1944. 44.8 D1429

Maine Agricultural Experiment Station, Orono

17013 MERCHANT, C. H. Maine agriculture in 1940: a statistical presentation. Maine Agr. Expt. Sta. Misc. Pub. 578, 257 p. 1943. 100 M263  
Price 75 cents per copy.

17014 TOBEY, E. R. Commercial feeding stuffs, 1942-43. Maine Agr. Expt. Sta. Off. Insp. 188, 32 p. 1943. 100 M288

Maryland Agricultural Experiment Station, College Park

17015 JEHL, R. A., and MCPHEETERS, MARGARET. Quality, adaptability and disease resistance of potato varieties. Md. Agr. Expt. Sta. Bul. X2, 17 p. 1944. 100 M36Bx

Cooking qualities considered.

17016 QUIGLEY, G. D. Photo-plan of a straw loft laying house. Md. Agr. Expt. Sta. Bul. XI, 4 p. 1943. 100 M36Bx

Massachusetts Agricultural Experiment Station, Amherst

17017 DORAN, W. L., and BAILEY, J. S. Propagation of the high-bush blueberry by softwood cuttings. Mass. Agr. Expt. Sta. Bul. 410, 8 p. 1943. 100 M38H

17018 WHITCOMB, W. D., TOMLINSON, W. E., JR., and GUBA, E. F. The grape plume moth [*Pterophorus periscelidactylus*], with notes on other pests of grapes in Massachusetts. Mass. Agr. Expt. Sta. Bul. 409, 20 p. 1943. 100 M38H

17019 GUNNESS, C. I. Meteorological observations for February, 1944. Mass. Agr. Expt. Sta. Met. Ser. Bul. 662, 4 p. 1944. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

17020 KNIGHT, A. T. Studies of pot-binding of greenhouse plants. Mich. Agr. Expt. Sta. Tech. Bul. 191, 51 p. 1944. 100 M58S

17021 THE QUARTERLY bulletin, v. 26, No. 3, p. 161-234. Feb. 1944. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

17022 KOLLER, E. F. The Minnesota dry milk industry. Minn. Agr. Expt. Sta. Bul. 372, 28 p. 1943. 100 M66

17023 BENSEND, D. W. Effect of nitrogen on growth and drought resistance of jack pine seedlings. Minn. Agr. Expt. Sta. Tech. Bul. 163, 63 p. 1943. Ref., p. 62-63. 100 M66

17024 COMSTOCK, R. E., and others. Studies of semen and semen production. Minn. Agr. Expt. Sta. Tech. Bul. 162, 55 p. 1943. Ref., p. 50-55. 100 M66

W. W. Green, L. M. Winters, and A. W. Nordskog, joint authors.

17025 DETERS, M. E. Silvicultural aspects of woodland management in southeastern Minnesota. Minn. Agr. Expt. Sta. Tech. Bul. 157, 71 p. 1943. Ref., p. 69-71. 100 M66

17026 HAYDAK, M. H., and TANQUARY, M. C. Pollen and pollen substitutes in the nutrition of the honeybee [*Apis mellifera*]. Minn. Agr. Expt. Sta. Tech. Bul. 160, 23 p. 1943. Ref., p. 21-23. 100 M66

17027 KUKACHKA, B. F., and REES, L. W. Systematic anatomy of the woods of the Tiliaceae. Minn. Agr. Expt. Sta. Tech. Bul. 158, 70 p. 1943. Ref., p. 65-70. 100 M66

Mississippi Agricultural Experiment Station, State College

17028 MOORE, E. L., and CAMPBELL, J. A. Fertilizers for cabbage, peas, and tomatoes. Miss. Agr. Expt. Sta. Bul. 397, 23 p. 1944. 100 M69

17029 NEELY, J. W., and BRAIN, S. G. Cotton variety tests in the Yazoo-Mississippi Delta. Miss. Agr. Expt. Sta. Bul. 398, 8 p. 1944. 100 M69

17030 O'KELLY, J. F. Cotton varieties in the hill section of Mississippi, 1943. Miss. Agr. Expt. Sta. Bul. 396, 8 p. 1944. 100 M69

17031 RANDOLPH, J. W., and ANDERSON, W. S. Sweetpotato production: mechanical equipment studies. Miss. Agr. Expt. Sta. Bul. 392, 96 p. 1943. 100 M69

17032 PINCKARD, J. A. Control of vegetable diseases in home gardens. Miss. Agr. Expt. Sta. Cir. 114, 11 p. 1944. 100 M69

17033 MISSISSIPPI farm research, v. 7, No. 3, 8 p. Mar. 1944. 100 M69M1

Montana Agricultural Experiment Station, Bozeman

17034 AFANASIEV, M. M., and MORRIS, H. E. Diseases of sugar beets in crop rotations at the Huntley Branch Station, Huntley, Montana from 1936 to 1941. Mont. Agr. Expt. Sta. Bul. 419, 23 p. 1943. 100 M76



17035 CLARK, R. T., and others. Performance-testing of beef cattle. Mont. Agr. Expt. Sta. Bul. 417, 12 p. 1943. 100 M76  
Bradford Knapp, Jr., A. L. Baker, and J. R. Quesenberry, joint authors.

17036 MCCALL, RALPH, CLARK, R. T., and PATTON, A. R. The apparent digestibility and nutritive value of several native and introduced grasses. Mont. Agr. Expt. Sta. Bul. 418, 30 p. 1943. Ref. p. 29-30. 100 M76

17037 RICHARDSON, J. E. A comparison of the qualities of flours made from white wheat varieties grown in Montana when used for making cakes and cookies. Mont. Agr. Expt. Sta. Bul. 416, 32 p. 1943. 100 M76

17038 WHITCOMB, W. O., and KRUSE, A. H. Montana seed law (as amended 1939): rules and regulations and forms of labels prescribed for Montana. Seed testing by the Montana Grain Inspection Laboratory. Mont. Agr. Expt. Sta. Cir. 176, 16 p. 1943. 100 M76  
Revision of Cir. 155, 1939.

17039 HARRINGTON, F. M., and POLLINGER, W. E. Sweet cherries. Mont. Agr. Expt. Sta. War Cir. 7, 7 p. 1944. 100 M76W

17040 KEEPING range lambs free from intestinal worm. Mont. Agr. Expt. Sta. War Cir. 5, 4 p. 1943. 100 M76W

17041 MILLS, H. B. The wheat stem sawfly, *Cephus cinctus* Nort., in Montana. Mont. Agr. Expt. Sta. War Cir. 6, 7 p. 1944. 100 M76W

17042 PREVENTION of losses from coccidiosis (accours) in feed lot lambs. Mont. Agr. Expt. Sta. War Cir. 4, 3 p. 1943. 100 M76W

#### Nebraska Agricultural Experiment Station, Lincoln

17043 PETERSON, A. W. A farm management survey of pump irrigated farms in Buffalo County. Nebr. Agr. Expt. Sta. Bul. 358, 28 p. 1944. 100 N27

17044 THALMAN, R. R. Corn and alfalfa substitutes for fattening cattle. Nebr. Agr. Expt. Sta. Bul. 355, 40 p. 1944. 100 N27

Grainless corn silage, cottonseed cake, molasses, wheat, wheat straw, oats, and hominy are the substitutes fed in these experiments.

#### Nevada Agricultural Experiment Station, Reno

17045 HEADLEY, F. B., and HARTLEY, M. L. Factors affecting the net incomes of livestock farms in Nevada. Nev. Agr. Expt. Sta. Farm Managt. Bul. 4(3): 1-5, processed. 1943. 100 N414F

#### New Jersey Agricultural Experiment Station, New Brunswick

17046 REEVE, ELDROW, PRINCE, A. L., and BEAR, F. E. The boron needs of New Jersey soils. N. J. Agr. Expt. Sta. Bul. 709, 26 p. 1944. 100 N46S

17047 PLOWSHARES and swords: the 64th annual report of the New Jersey State Agricultural Experiment Station and the 56th annual report of the New Jersey Agricultural College Experiment Station, 1942-43. 64 p. 1943. 100 N46S

Issued also as New Jersey Agriculture, v. 25, No. 6 Nov./Dec. 1943.

Reports research on problems of the soil, growing better plants-growing plants better, and more milk, more eggs, more meat.

#### New Mexico Agricultural Experiment Station, State College

17048 KNOX, J. H., and NEALE, P. E. Alfalfa hay as the roughage in cattle-fattening rations. N. Mex. Agr. Expt. Sta. Bul. 310, 14 p. 1943. 100 N46S

#### New York (State) Agricultural Experiment Station, Geneva

17049 MARQUARDT, J. C., and YALE, M. W. Pasteurizing milk for cheese making by direct steam. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 271, 13 p. 1943. 100 N48

17050 YALE, M. W., and MARQUARDT, J. C. Coliform bacteria in Cheddar cheese. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 270, 27 p. 1943. 100 N48

#### North Carolina Agricultural Experiment Station, State College Station, Raleigh

17051 RESEARCH and farming, v. 2, Prog. Rpt. No. 1, 12 p. Jan. 1944. 100 N81P

#### Ohio Agricultural Experiment Station, Wooster

17052 WEISWANDER, C. R. The ring-legged earwig *Euborellia annulipes* (Lucas). Ohio Agr. Expt. Sta. Bul. 648, 14 p. 1944. 100 Oh35S

17053 PATON, R. R., SECREST, KIMUND, and EZRI, H. A. A survey of forest plantations in Ohio. Ohio Agr. Expt. Sta. Bul. 647, 77 p. 1944. 100 Oh3S

17054 SHERMAN, L. W., and ELLENWOOD, C. W. Top-working and bench-grafting walnut trees. Ohio Agr. Expt. Sta. Spec. Cir. 69, 16 p. 1944. 100 Oh3S

17055 BIMONTHLY bulletin, v. 29, No. 227, p. 83-131. Mar./Apr. 1944. 100 Oh3S

#### Oklahoma Agricultural Experiment Station, Stillwater

17056 DAVIDSON, E. D., and PARCHER, L. A. The influence of mineral rights on transfers of farm real estate in Oklahoma. Okla. Agr. Expt. Sta. Bul. B-278, 16 p. 1944. 100 Ok4

17057 FENTON, F. A., and WHITEHEAD, F. E. Control of wheat insects. Okla. Agr. Expt. Sta. Bul. B-275, 46 p. 1944. 100 Ok4

#### Oregon Agricultural Experiment Station, Corvallis

17058 COONEY, W. T. Preincubation humidity variation effects on chicken egg hatchability. Oreg. Agr. Expt. Sta. Tech. Bul. 2, 27 p. 1943. 100 Or3S

17059 STEPHENS, D. E., OVESON, M. M., and MITCHELL, G. A. Water requirement of wheat at the Sherman Branch Experiment Station. Oreg. Agr. Expt. Sta. Tech. Bul. 1, 27 p. 1943. 100 Or3S

17060 STEPHENSON, R. E., and SCHUSTER, C. E. Chemical composition and responses to fertilization of western Oregon nut orchard soils as indicated by greenhouse and field trials. Oreg. Agr. Expt. Sta. Tech. Bul. 3, 31 p. 1943. 100 Or3S

#### Pennsylvania Agricultural Experiment Station, State College

17061 WILDE, E. I., and MEHL, R. P. 1943 rose test of 184 varieties of H. T. rose at the Pennsylvania State College. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1216, 15 p., processed. 1944. 100 P381J

#### Puerto Rico Agricultural Experiment Station, Rio Piedras

17062 AGRICULTURA experimental, v. 3, No. 3, 12 p. May/June 1943. 100 P83Ae

#### South Dakota Agricultural Experiment Station, Brookings

17063 GRAFIUS, J. E., and HEHN, E. E. South Dakota corn performance test, 1943. S. Dak. Agr. Expt. Sta. Cir. 50, 24 p. 1944. 100 So82



17064 LARSEN, L. F. Power buck rakes. S. Dak. Agr. Expt. Sta. Cir. 49, 20 p. 1944. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

17065 SHEERBAKOFF, C. D., and STANLEY, W. W. The more important diseases and insect pests of crops in Tennessee. Tenn. Agr. Expt. Sta. Bul. 186, 141 p. 1943. 100 T25S

17066 MASTERS, F. M., and ALLRED, C. E. Population situation and trends in Tennessee as a whole. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 166, 41 p., processed. 1944. 173.2 W89Co

Utah Agricultural Experiment Station, Logan

17067 POLLARD, L. H., and others. Tomato production in Utah. Utah Agr. Expt. Sta. Cir. 120, 31 p. 1944. 100 Utl

H. B. Peterson, H. L. Blood, and W. E. Peay, joint authors.

Includes directions for the control of diseases and insect pests.

17068 FARM & home science, v. 5, No. 1, 12 p. Mar. 1944. 100 UtlF

Virginia Agricultural Experiment Station, Blacksburg

17069 SMITH, A. G., JR. Experiments on the culture of narcissus. Va. Agr. Expt. Sta. Bul. 357, 16 p. 1943. 100 V81S

Washington Agricultural Experiment Station, Pullman

17070 FIFTY-THIRD annual report, Washington Agricultural Experiment Stations for the fiscal year ended June 30, 1943. Wash. Agr. Expt. Sta. Bul. 435, 163 p. 1943. 100 W27E

Research reported on agricultural engineering, agronomy, animal husbandry, chemistry, dairy husbandry, entomology, farm management and agricultural economics, home economics, horticulture, plant pathology, poultry husbandry, rural sociology, and veterinary science.

17071 HARSTON, C. B., KAISER, V. G., and HORNER, G. M. Gypsum (land plaster) for peas. Wash. Agr. Expt. Sta. V Cir. 17, 3 p. 1944. 100 W27E

17072 VANDECAYEY, S. C., and DUNN, L. E. How and where to use lime in western Washington. Wash. Agr. Expt. Sta. V Cir. 16, 3 p. 1944. 100 W27E

Wisconsin Agricultural Experiment Station, Madison

17073 WHAT'S new in farm science: Part I, sixtieth annual report for the year ended June 30, 1943. Wis. Agr. Expt. Sta. Bul. 461, 65 p. 1943. 100 W75

Research reported on livestock, poultry and game, feeding the family, managing the farm and home, marketing farm products, dairy products, crop sidelights from the laboratory, and nutrition, basic and general.

Wyoming Agricultural Experiment Station, Laramie

17074 WHEELER, S. S. War time feeding and management of hogs. Wyo. Agr. Expt. Sta. Bul. 265, 42 p. 1944. 100 W99



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alaska University, Extension Service, College

17075 FOHN-HANSEN, LYDIA. Alaska berries. Alaska Univ. [Agr.] Ext. Leaflet 141, 8 p. 1943. 275.29 A113L

Directions for canning and preservation.

Arkansas University, College of Agriculture, Agricultural Extension Service, Little Rock

17076 BAERG, W. J. Beekeeping. Ark. Agr. Col. Ext. Cir. 326, rev., 15 p. 1943. 275.29 Ar4

17077 DICKERSON, L. B., and LOUGHEAD, M. E. 4-H club manual in household administration, demonstration No. 2. Ark. Agr. Col. Ext. Cir. 375, rev., 11 p. 1943. 275.29 Ar4

17078 BATES, S. D. Join the Woman's Land Army for active duty on the home front; produce food for victory. Ark. Agr. Col. Ext. Leaflet 59, 3 p. 1944. 275.29 Ar4Le

17079 SELECTION and care of rayon. Ark. Agr. Col. Ext. Leaflet 36, rev., 6 p. 1943. 275.29 Ar4Le

17080 WORK and sport clothes. Ark. Agr. Col. Ext. Leaflet 34, rev., 4 p. 1943. 275.29 Ar4Le

California University, College of Agriculture, Agricultural Extension Service, Berkeley

17081 ESSIG, E. O., and HOSKINS, W. M. Insects and other pests attacking agricultural crops. Calif. Agr. Col. Ext. Cir. 87, rev., 197 p. 1944. 275.29 C12C

17082 SHULTIS, ARTHUR, and HALL, B. J. 1943 sixth annual turkey egg study, San Diego County, California. 8 p., processed. 1943. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

17083 ROLLINS, H. A. Home orchard and small fruits spray and dust program. Conn. Agr. Col. Ext. Bul. 348, 12 p. 1944. 275.29 C76B

17084 ROLLINS, H. A. Spray program for apple and peach, 1944. Conn. Agr. Col. Ext. Bul. 349, 12 p. 1944. 275.29 C76B

17085 ROLLINS, H. A. Spray program for pear, cherry, plum, grape, raspberry, strawberry. Conn. Agr. Col. Ext. Bul. 350, 8 p. 1944. 275.29 C76B

Delaware University, School of Agriculture, Extension Service, Newark

17086 HOUSEHOLD equipment, its care and simple repair. Del. Univ. Agr. Ext. Bul. 39, 36 p. 1943. 275.29 D37

17087 BRASHER, E. P. Vegetable gardening for victory. Del. Univ. Agr. Wartime Ext. Folder 5, rev., 12 p. 1944. 275.29 D37W

17088 PRODUCE your share; food fights for freedom. Del. Univ. Agr. Wartime Ext. Folder 8, 12 p. 1944. 275.29 D37W

Georgia University, College of Agriculture, Agricultural Extension Service, Athens

17089 GLENN, H. S., and DOWDY, W. V. Fix it: household equipment, care and repair. Ga. Agr. Col. Ext. Bul. 503, 27 p. 1944. 275.29 G29B

17090 ALEXANDER, E. D. Corn in Georgia. Ga. Agr. Col. Ext. Cir. 320, 8 p. 1944. 275.29 G29C

Increasing yields.

17091 8 POINT milk production program. Ga. Agr. Col. Ext. Cir. 319, 8 p. 1944. 275.29 G29C

17092 MATHEWS, SUSAN. Let's have eggs. Ga. Agr. Col. Ext. Cir. 317, 4 p. 1943. 275.29 G29C

Recipes for cooking eggs.

17093 RICE, W. S. Producing fat calves. Ga. Agr. Col. Ext. Cir. 321, 6 p. 1944. 275.29 G29C

Hawaii University, Agricultural Extension Service, Honolulu

17094 CHUN, E. Y., and GANTT, P. A. Electric pig brooders save baby pigs. Hawaii Univ. Agr. Ext. Cir. 166, 3 p., processed. 1944. 275.29 H312Ac

17095 ELLIOTT, RALPH, and HONMA, HARUO. Estimated 1943 production of 12 crops, Hawaii, Maui, and Oahu. Hawaii Univ. Agr. Ext. Cir. 167, 19 p., processed. 1944. 275.29 H312Ac

Iowa State College of Agriculture, Agricultural Extension Service, Ames

17096 IOWA garden guide. Iowa State Col. Agr. Ext. Pam. 80, 16 p. 1944. 275.29 Io9Pa

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

17097 VALLEAU, W. D., and HUNT, R. A. Tobacco varieties that have proved their worth. Ky. Agr. Col. Ext. A-25, 5 p. 1943. 275.29 K415Ab

17098 DAVIS, A. B., LACY, EDITH, and LATIMER, RUTH. The 4-H club member entertains. Ky. Agr. Col. Ext. Cir. 393, 20 p. 1943. 275.29 K415

17099 HOUSEHOLD equipment, its care and simple repair. Ky. Agr. Col. Ext. Cir. 391, 36 p. 1943. 275.29 K415

17100 LACY, EDITH, LATIMER, RUTH, and DAVIS, A. B. Foods project for 4-H clubs: 4-H bake book. Ky. Agr. Col. Ext. Cir. 392, 24 p. 1943. 275.29 K415

Maine University, College of Agriculture, Agricultural Extension Service, Orono

17101 STEINBAUER, G. P., and STEINMETZ, F. H. Poison ivy and poison sumac, identification and eradication. Maine Agr. Col. Ext. Bul. 321, 8 p. 1944. 275.29 M281B

17102 BONDE, REINER, WYMAN, O. L., and MINER, B. B. Potato ring rot. Maine Agr. Col. Ext. Cir. 189, 6 p. 1944. 275.29 M281C

17103 CARTER, R. M. Save work in feeding cows. Maine Agr. Col. Ext. Cir. 191, 4 p. 1944. 275.29 M281C

Also published as Vermont Extension Brieflet 687.

17104 DORSEY, L. M. Milking machine sanitation. Maine Agr. Col. Ext. Cir. 193, 6 p. 1944. 275.29 M281C

17105 FARM machinery, keep it rolling. Maine Agr. Col. Ext. Cir. 192, 8 p. 1944. 275.29 M281C



17106 MAINE garden guide. Maine Agr. Col. Ext. Cir. 190, 8 p. 1944. 275.29 M281C  
Planting table for the Victory garden.

Maryland University. Colleges of Agriculture and Home Economics. Extension Service, College Park

17107 FIGHT insects and diseases in Victory gardens. Md. Agr. Col. Ext. Bul. 101, 16 p. 1944. 275.29 M36B

Massachusetts State College. Extension Service, Amherst

17108 GRIFFITHS, F. P., and others. Special food preservation problems. Mass. State Col. Ext. Leaflet 226, 24 p. 1943. 275.29 M381L

W. R. Cole, S. G. Davis, and W. B. Esselen, joint authors.  
17109 TUTTLE, A. P. Potatoes in home gardens. Mass. State Col. Ext. Leaflet 231, 4 p. 1944. 275.29 M381L

17110 TUTTLE, A. P. Starting vegetable plants in the home. Mass. State Col. Ext. Leaflet 232, 4 p. 1944. 275.29 M381L

Michigan State College of Agriculture and Applied Science. Extension Division, East Lansing

17111 BELL, L. E., and JEFFERSON, C. H. Use of jack pine and popple for farm buildings. Mich. State Col. Agr. Ext. Bul. 255, 23 p. 1944. 275.29 M58B

17112 BOWSER, PERRY, and others. Michigan garden guide. Mich. State Col. Agr. Ext. Bul. 258, 30 p. 1944. 275.29 M58B

P. R. Krone, K. C. Barrons, Ray Hutson, J. H. Muncie, and James Tyson, joint authors.

Minnesota University. Department of Agriculture. Division of Agricultural Extension, University Farm, St. Paul

17113 ANDERSON, P. A. Making lard at home. Minn. Univ. Agr. Ext. Folder 120, 4 p. 1944. 275.29 M66Ex

New York State College of Agriculture and Home Economics. Extension Service, Cornell University, Ithaca

17114 MILLS, W. D., and EVANS, J. A. Diseases and insects of small fruits. N. Y. (Cornell) Agr. Col. Ext. Bul. 306, rev., 56 p. 1943. 275.29 N48E

17115 1944 NEW YORK farm outlook. N. Y. (Cornell) Agr. Col. Ext. Bul. 636, 28 p. 1944. 275.29 N48E

17116 WORK, PAUL. Varieties of vegetables for 1944: the vegetable-seed situation. N. Y. (Cornell) Agr. Col. Ext. Bul. 638, 20 p. 1944. 275.29 N48E

Oregon State College. Federal Cooperative Extension Service, Corvallis

17117 BOUQUET, A. G. B. Broccoli growing and marketing. Oreg. State Col. Ext. Cir. 411, 3 p., processed. 1943. 275.29 Or32C  
Revision of 262.

17118 BOUQUET, A. G. B. Brussels sprouts. Oreg. State Col. Ext. Cir. 422, 3 p., processed. 1943. 275.29 Or32C  
Revision of 279.

17119 BOUQUET, A. G. B. Celery growing and marketing. Oreg. State Col. Ext. Cir. 421, 9 p., processed. 1943. 275.29 Or32C  
Revision of 309.

17120 BOUQUET, A. G. B. Greenhouse management. Oreg. State Col. Ext. Cir. 418, 20 p., processed. 1943. 275.29 Or32C

17121 BOUQUET, A. G. B. Production and marketing of onions. Oreg. State Col. Ext. Cir. 419, 9 p., processed. 1943. 275.29 Or32C  
Revision of 312.

17122 GRAY, K. W., and FERGUSON, G. R. Pea weevil [*Bruchus pisorum*], control in 1943. Oreg. State Col. Ext. Cir. 410, 4 p., processed. 1943. 275.29 Or32C

17123 INCOME tax reporting and farm bookkeeping. Oreg. State Col. Ext. Cir. 420, 2 p. 1943. 275.29 Or32C

A supplement to a Statement on farm bookkeeping and the Federal income tax, by the Bureau of Agricultural Economics and Extension Service of the United States Department of Agriculture, revised October, 1943.

17124 KING, A. S. Preventing fire losses from spontaneous ignition of hay. Oreg. State Col. Ext. Cir. 412, 4 p., processed. 1943. 275.29 Or32C

17125 MCWHORTER, O. T. Composts for garden soils. Oreg. State Col. Ext. Cir. 415, 3 p., processed. 1943. 275.29 Or32C  
Revision of 387.

17126 MCWHORTER, O. T. Pruning suggestions for fruit trees. Oreg. State Col. Ext. Cir. 425, 7 p., processed. 1944. 275.29 Or32C  
Revision of Circular 350.

17127 MCWHORTER, O. T. Zinc treatments for little leaf. Oreg. State Col. Ext. Cir. 409, 4 p., processed. 1943. 275.29 Or32C  
Revision of 310.

17128 NEIGHBORHOOD leaders in Oregon, 1942-1943: summary of activities. Oreg. State Col. Ext. Cir. 417, 4 p., processed. 1943. 275.29 Or32C

17129 RED AND black raspberries: agricultural statistics, 1936 to 1943. Oreg. State Col. Ext. Cir. 424, 4 p., processed. 1944. 275.29 Or32C

17130 WALKER, CLYDE. Harvesting smooth dry peas. Oreg. State Col. Ext. Cir. 408, 3 p., processed. 1943. 275.29 Or32C

17131 PREVENT accidents; stop carelessness on farm and in the home. Oreg. State Col. Ext. Club Ser. A-36, 16 p. 1943. 275.29 Or32Bo

17132 SEYMOUR, H. C., COWGILL, HELEN, and ALLEN, L. J. Information for local leaders. Oreg. State Col. Ext. Club Ser. A-39, 31 p. 1943. 275.29 Or32Bo

South Carolina. Clemson Agricultural College. Extension Service, Clemson

17133 CLARK, O. M. The agricultural outlook for 1944. Clemson Agr. Col. S. C. Ext. Cir. 252, 8 p. 1944. 275.29 So8E

17134 FEED production recommendations for 1944. Clemson Agr. Col. S. C. Ext. Cir. 255, 8 p. 1944. 275.29 So8E

17135 PHAGAN, C. V. The care and maintenance of terraces. Clemson Agr. Col. S. C. Ext. Cir. 254, 4 p. 1944. 275.29 So8E

17136 PHAGAN, C. V. Terracing in South Carolina. Clemson Agr. Col. S. C. Ext. Cir. 251, 20 p. 1944. 275.29 So8E

Vermont University. College of Agriculture. Agricultural Extension Service, Burlington

17137 SOMMERFELD, EDNA. Short cuts in sewing. Vt. Agr. Col. Ext. Brieflet 693, 23 p. 1944. 275.29 V592

17138 TWENTY-EIGHTH report of cooperative extension work in agriculture and home economics, state of Vermont, for the fiscal years ending June 30, 1942, and June 30, 1943. Vt. Agr. Col. Ext. Bul. 28, 36 p. 1944. 275.29 V59



Virginia Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

- 17138 VAUGHAN, E. K. Control victory garden pests and diseases. Va. Agr. Col. Ext. Bul. 158, 11 p. 1944. 275.29 V81B
- 17140 4-H club girls' victory project: record book. Va. Agr. Col. Ext. Cir. E-367, rev., 13 p. 1943. 275.29 V81C
- 17141 4-H PROJECT manual: breeding pig. Va. Agr. Col. Ext. Cir. E-380, 5 p. 1944. 275.29 V81C
- 17142 4-H PROJECT manual: brooding and rearing. Va. Agr. Col. Ext. Cir. E-377, 6 p. 1944. 275.29 V81C
- 17143 4-H PROJECT manual: corn production. Va. Agr. Col. Ext. Cir. E-379, 5 p. 1944. 275.29 V81C
- 17144 4-H PROJECT manual: raising the dairy calf. Va. Agr. Col. Ext. Cir. E-378, 6 p. 1944. 275.29 V81C
- 17145 4-H PROJECT manual: vegetable gardening. Va. Agr. Col. Ext. Cir. E-376, 12 p. 1944. 275.29 V81C

Washington State College, Extension Service, Pullman

- 17146 DODGE, J. C., and HARVEY, W. A. Weeding carrots with stove oil spray. Wash. State Col. Ext. Mimeog. 219, 2 p. 1944. 275.29 W27M1

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 17147 HIBBARD, B. H., and McNALL, P. E. The farm lease and the rental contract. Wis. Agr. Col. Ext. Cir. 303, rev., 23 p. 1943. 275.29 W75C
- 17148 CLOTHING, 4-H club work: keep on sewing, project II. Wis. Agr. Col. Ext. Cir. 4-H 4, rev., 8 p. 1943. 275.29 W75Cf
- 17149 CLOTHING, 4-H club work: learn to sew, project I. Wis. Agr. Col. Ext. Cir. 4-H 3, rev., 8 p. 1943. 275.29 W75Cf
- 17150 GRAINS in our meals: 4-H club foods project. Wis. Agr. Col. Ext. Cir. 4-H 39, 16 p. 1944. 275.29 W75Cf
- Cooking with cereals.
- 17151 I PLEDGE my health. Wis. Agr. Col. Ext. Cir. 4-H 38, 6 p. 1943. 275.29 W75Cf
- 17152 LET'S do something about safety: Wisconsin 4H safety program. Wis. Agr. Col. Ext. Cir. 4-H 41, 8 p. 1944. 275.29 W75Cf
- 17153 LET'S talk about safety: Wisconsin 4H radio speaking program. Wis. Agr. Col. Ext. Cir. 4-H 42, 4 p. 1944. 275.29 W75Cf
- 17154 JONAS, C. E. Furniture care in wartime. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17155 JONAS, C. E. Rugs: care in wartime. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1943. 275.29 W75S
- 17156 MILK - keep it coming. 8 p. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- Dairy production in wartime.
- 17157 RUPEL, I. W., and BOHSTEDT, GUS. Today's dairy feeding problems. 4 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17158 THESE practices save farm labor. 3 p., processed. Wis. Agr. Col. Ext. Spec. Cir., 1944. 275.29 W75S
- 17159 MOORE, J. G. Currants and gooseberries in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 177, rev., 5 p., processed. 1944. 275.29 W75B
- 17160 MOORE, J. G. Growing grapes at home. Wis. Agr. Col. Ext. Stencil Cir. 235, 8 p., processed. 1944. 275.29 W75B

- 17161 MOORE, J. G. Growing strawberries in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 237, 14 p., processed. 1944. 275.29 W75B

- 17162 MOORE, J. G. Pruning fruit trees. Wis. Agr. Col. Ext. Stencil Cir. 236, 8 p., processed. 1944. 275.29 W75B

- 17163 SUGAR beets in Wisconsin. Wis. Agr. Col. Ext. Stencil Cir. 238, 6 p., processed. 1944. 275.29 W75B

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 17164 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. A program for county banks., 20 p. N. Y., 1944. 284.2 Am3F

- 17165 ANGLO-AMERICAN CARIBBEAN COMMISSION. The Caribbean Islands and the war; a record of progress in facing stern realities. 85 p. Washington, U. S. Govt. Print. Off., 1943. 280.14 An3

Various aspects of the problem include food and shipping, wages and unemployment, and the sugar crop. The appendixes include cost of living charts.

- 17166 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. Britain's mandate for Palestine. 12 p. N. Y., 1944. (ID 497) 280.9 B772

The appendix, summarizing the 1939 White Paper, includes land policy.

- 17167 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. British Government machinery for reconstruction. (A summary account.) 14 p. N. Y., 1944. (ID 492) 280.9 B772

Agriculture, p. 6-7.

- 17168 BROWN, B. H. The tariff reform movement in Great Britain, 1881-1895. 170 p. N. Y., Columbia Univ. Press, 1943. Ref., p. 153-162. 285 B81

Includes the movement for agricultural protection.

- 17169 BULGAROVSKIĬ, G. P., and others. Organizatsiia sel'skokhoziaistvennoi bazy v Dzhzhkzkgane [Organization of an agricultural base in Dzhzhkzkgan], 33 p. Alma-Ata, Kazakhskii Nauchno-issledovatel'skii Institut Ekonomiki Sel'skogo Khoziaistva, 1940. 281.179 B87

F. I. Zenkovich, M. N. Lytsenko, and G. I. Tsypkin, joint authors.

- 17170 CANADA. BUREAU OF STATISTICS. Cost of living index numbers for Canada, 1913-1942. 15 p., processed. Ottawa, 1943. 284.49 C16

- 17171 CARVALHO, J. B. DE M. O ensino, as pesquisas e o Instituto Nacional de Óleos. 323 p. Rio de Janeiro, Brazil, Ministério da Agricultura, Centro Nacional de Ensino e Pesquisas Agronômicas, Instituto Nacional de Óleos, 1942. 307 B46E

A collection of papers, addresses, and legislative acts relating to agricultural education, the National Oil Institute, and the oils and fats industry of Brazil.

- 17172 CENTRO AZUCARERO ARGENTINO, BUENOS AIRES. Asistencia social en la industria azucarera. 182 p. Buenos Aires, 1943. 281.365 C332

Social services offered by various Argentine sugar firms.



- 17173 COE, C. J. Farmers in 1944. 55 p. N. Y., Farm Res., Inc. 1944. 281.12 C65  
The future of American agriculture as determined by the 1944 presidential election.
- 17174 COLOMBIA. SECRETARIO DE AGRICULTURA Y FOMENTO. Informe que el Secretario de Agricultura y Fomento rinde al Sr. Gobernador del Departamento del Valle del Cauca. 46 p. Cali, 1943. 9.4 C31  
Contains a plan for the economic development of the Cauca Valley and outline of a study of agriculture and industries derived from it, prepared by Carlos E. Chardon.
- 17175 DAY, J. W. Farming adventure; a thousand miles through England on a horse; with a foreword by the Duke of Grafton. 253 p. London, Harrap, 1943. 281.171 D33  
Describes a trip through East Anglia in wartime showing what has been done to revive the land, the everyday activities of the people, and their views.
- 17176 DUSS, J. S. The Harmonists; a personal history. 425 p. Harrisburg, Pa., Pa. Book Serv., 1943. 280 D94  
The story of the Harmony Society and its cooperative communities.
- 17177 EASTERBROOK, L. F. Achievement in British farming. 36 p. London, Pilot Press, 1943? (Achievement Books) 281.171 Ea7  
The history of British agriculture and the wartime farming program.
- 17178 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of I. 49 border semi-arable farms and II. 22 border hill sheep farms for 1939-40. 15 p., processed. Edinburgh, 1941. 281.9 Ed4Re
- 17179 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of I. 50 border semi-arable farms and II. 21 border hill sheep farms for 1938-39. 16 p., processed. Edinburgh, 1940. 281.9 Ed4Re
- 17180 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. ECONOMICS DEPT. Report on the financial results of 58 East of Scotland farms for 1938-39. I. 21 arable farms. II. 20 semi-arable farms. III. 17 dairy farms. 21 p., processed. Edinburgh 1940. 281.9 Ed4Re
- 17181 ESCRITT, L. B. Regional planning; an outline of the scientific data relating to planning in Great Britain. 263 p. London, Allen, 1943. Ref., p. 242-253. 280.171 Es1  
Includes the study of the soil, planning for agriculture and forestry, and land drainage.
- 17182 FLEDDERUS, M. L., and VAN KLEECK, MARY. Technology and livelihood; an inquiry into the changing technological basis for production as affecting employment and living standards. 237 p. N. Y., Russell Sage Found., 1944. 280.12 R912  
Chapter three deals with developments in soil science and changes in farm labor requirements.
- 17183 GALIMON, L. S. Kreditovanie sovkhovov i kolkhozov i finansirovanie MTS [Credit for State and collective farms and financing the MTS (machine tractor stations)]. 164 p. Moskva, Gosfinizdat, 1940. 281.179 G13
- 17184 GERSCHENKRON, ALEXANDER. Bread and democracy in Germany. 238 p. Berkeley, Univ. of Calif. Press, 1943. Ref., p. 225-232. 281.175 G32  
A study of agricultural protectionism in Germany and its relation to the problem of democracy. Brings out the effect of the Junkers on the rise of Fascism and the need for their elimination as a social and economic group in the post-war period.
- 17185 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Farm book-keeping. 24 p. London, H. M. Stationery Off., 1943. 30.6 G79
- 17186 GREER, H. C., and SMITH, DUDLEY. Accounting for a meat packing business. 274 p., processed. Chicago, Univ. of Chicago, Inst. of Meat Packing, 1943. 325 G85
- 17187 HAMLIN, H. M. The community program of agricultural education. 137 p., processed. Champaign, Ill., Illini Union Bookstore, 1943. 275.1 H184  
Related readings at end of most chapters.
- 17188 HAYSTEAD, LADD. Meet the farmers. 221 p. N. Y., Putnam, 1944. 281.12 H33  
A description of the farmer and his problems.
- 17189 HOERNLE, E. Wie lebt der deutsche Bauer? 68 p. Moskau, Verlag für Fremdsprachige Literatur, 1939. 281.2 H672W  
The position of the German farmer under National Socialism, including measures taken to deal with the rural exodus.
- 17190 HUGHES, P. G. Wales and the drovers; the historic background of an epoch. 65 p. London, Foyles Welsh Co., 1943. 45 H875  
Discusses the cattle trade carried on by the drovers, including a description of the rural and economic life of the period.
- 17191 HUXLEY, JULIAN. TVA; adventure in planning; with a foreword by the Honourable John G. Winant... and notes on the illustrations by Gordon and Flora Stephenson. 142 p. Cheam, Surrey, Architect. Press, 1943. 280.003 H98  
Includes the soil improvement and farming programs.
- 17192 KIRKWOOD, JOHN. Farm book-keeping; the principles and practice of book-keeping applied to agriculture for agricultural colleges, extension classes, evening classes and practical farmers. Ed. 2, 228 p. Edinburgh, Green, 1942. 30.6 K63
- 17193 LILIENTHAL, D. E. TVA - democracy on the march. 248 p. N. Y., Harper, 1944. 280.002 L62T  
Some references for technicians, p. 227-241.  
Includes increased productivity of farming and the farming and rehabilitation program.
- 17194 LOMBARDO TOLEDANO, VICENTE. Los principales problemas de la agricultura y de la economía del continente americano. 94 p. México, D. F., Universidad Obrera, 1942. 281 L83  
Contains recommendations made by the Confederación de Trabajadores de América Latina and the Confederación de Trabajadores de México.
- 17195 LONDON. COUNTY COUNCIL. Post-war reconstruction - Expert Committee on Compensation and Betterment (Uthwatt Committee) - evidence. 13 p. London, 1941. 98.5 L84
- 17196 LYSENKO, T. D. Uvelichit' prodovol'stvennye resursy sovetskogo gosudarstva [To increase the food resources of the Soviet State]. 79 p. Omsk, Narkomzem SSSR, 1942. 33.31 L99
- 17197 NORTHERN GREAT PLAINS AGRICULTURAL COUNCIL. Reports and discussions at meeting held at Omaha, Nebr., Jan. 10, 11, 1944. 79 p., processed. Omaha? Nebr., 1944. 282.9 N817  
Subjects discussed were conditions in the Great Plains; soil, range, and forest development and conservation; opportunities for returning war veterans in farming, rural industries, and rural electrification; problems of land settlement; increase of settlement opportunities through irrigation; farm placement aid to returned servicemen and released war workers; rural housing; rural health; and social security for farm people.
- 17198 NORWAY. STATISTISK SENTRALBYRÅ. Bureising med statsstøtte, 1921-1936. 234 p. Oslo, Aschehoug, 1941. (Norges Offisielle Statistikk [Rekke], X, [Nr.] 1) 282.2 N83  
A statistical study of Government-promoted settlement in Norway from 1921 to 1936.



17199 OGBURN, W. F., ed. American society in wartime. 237 p. Chicago, Univ. of Chicago Press, 1943. Ref. (Charles R. Walgreen Found. Lectures) 280.12 Og1A

Includes Farms and Farming Communities, by Lowry Nelson, p. 82-104, which discusses the effects of the war upon agriculture and rural society.

17200 PACIFIC ADVERTISING ASSOCIATION. ADVANCEMENT OF BUSINESS COMMITTEE. How war is changing Pacific area markets. 110 p., processed. San Francisco, 1943. 280.32 P11

Partial contents: What war is doing to western incomes, by Warwick Carpenter (includes rural effective buying income), p. 13-24; What changes are taking place in farm markets? by H. E. Erdman, p. 25-26. Section II contains statistics on farm income, p. 75-77.

17201 PADEN, I. D. The wake of the prairie schooner. 514 p. N. Y., Macmillan, 1943. Ref., p. 479-504. 138 P13

The writer's experiences in following the overland trails from the Mississippi Valley to Oregon and California, with much detail on the history of western settlement.

17202 PRENTICE, E. P. Food, war and the future. 164 p. N. Y., Harper, 1944. 389 P91F

The effect of freedom upon food production and progress in agriculture, from a historical point of view.

17203 RANDALL, ROGER. Labor relations in the pulp and paper industry of the Pacific Northwest. 107 p. Portland, Oreg., Northwest Regional Council, 1942. Ref. 283 R152

Bonneville Power Administration, Pacific Northwest Regional Planning Commission cooperating.

17204 REID, D. M. The problem of the Highlands; a survey of the position as it affects the north-west. Ed. 2, 64 p. Stirling, Scotland, Mackay, 1943. 280.171 R272

Agricultural and economic conditions in the Scottish Highlands.

17205 ROSS, JAMES. Rebuilding Britain, a select list of books on town and country planning. 20 p. Bristol, Pub. Libr., 1943. 241.3 B77

17206 ROYAL INSTITUTE OF BRITISH ARCHITECTS, LONDON. Rebuilding Britain. 80 p. London, Humphries, 1943. Ref., p. 78-80. 98.5 R81

Touches upon rural planning.

17207 RUDNITS'KIY, V. V., ed. Rist dobrobutu trudniashchikh kraiñ sotsializmu [Growth of worker's prosperity in the land of socialism]. 81 p. Kiäv, Derzhavne Vydavnitstvo Politichnoi Literaturi, 1939. 280.179 R83

Includes the rural worker.

17208 SARGENT, NOEL. Postwar conditions and trends; analysis. 38 p. N. Y., Natl. Assoc. of Mfrs., 1943. 280.12 N216P

Proportion of labor in agriculture, p. 30.

17209 SMOOKLER, IDAIR. Subsidies in price control; a selected bibliography. 5 p., processed. Washington, U. S. Off. for Emergency Managt., 1943. 173.4 S11

17210 SOROKIN, P. A. Russia and the United States. 253 p. N. Y., Dutton, 1944. 280.179 So6

Contains reference to collective farms and land distribution in Russia.

17211 TANAHASHI, H. Les syndicats agricoles en France et au Japon; une considération institutionnelle et sociologique. 7 p., processed. Kioto? 1940? 280.2 T15

17212 \*U. S. S. R. GLAVNOE UPRAVLENIE MOLOCHNOY PROMYSHLENNOSTI. Instruktisiya po bukhgalterskomu uchetu v kentorakh raimoloko [Bookkeeping instruction in the regional milk offices]. 112 p. Moskva, "Glavmoloko," 1943. 44 Un382

17213 VAN CLEEF, EUGENE. Geography for the businessman. 246 p. N. Y., Harper, 1943. Ref., p. 238-241. 278 V27

Includes weather and climate, rural land values, soils, markets, cooperatives, price control, and international trade.

#### AGRICULTURAL ENGINEERING

17214 EASTERBROOK, L. F. Machines on the farm. 32 p. London, Pitman, 1943. (Britain Advances 3) 58 Ea7

17215 \*KARAULOV, N. A. Usloviya primeneniya vodnoi energii dlia obmolota khlebov [Conditions for using water power for grain threshing]. 31 p. Moskva, Akademiya Nauk, 1943. 292.4 K14

17216 MCHARDY, D. N. Tractor versus U-boat. 52 p. Reading, England, Power Farmer, 1943. 58 M18T

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

17217 ACTON, A. L. "Half a pint of milk." 64 p. Gravesend, England, Philip, 1943? (Aftermath Ser. 2) 280.344 Ac8

The food value of milk, milk sales and prices, and the economic aspects of free distribution of milk.

17218 ALBERTA WHEAT POOL. Canadian wheat policies in depression and war. 8 p. Calgary, Alberta, 1944. 281.359 A112

17219 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. 1943 year book. 704 p. N. Y., Howes, 1943. 306.9 Am32

Reports of committees and subcommittees of the Association, outlining research and developments in textile chemistry and dyeing. Includes a list of publications of the Research Committee, p. 91-97; Bibliography of color, p. 109-121; General bibliography of textile chemistry, p. 141-172; and Testing insectproofing of materials, p. 123-124, 263-272.

17220 AMERICAN MARKETING ASSOCIATION. National roster; biographical directory with geographical list of members.... Year book, 1943. 100 p. Cambridge, Mass., 1943. 119 Am34

Address communications and inquiries to the Secretary, Ross M. Cunningham, Massachusetts Institute of Technology, Cambridge, Mass.

17221 \*ARBUZOV, G. A. Professa obrazovaniya koshi pri rastitel'nom dublenii [Process of formation of leather by vegetable tanning]. 108 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1941. 303 Ar1

17222 BAILEY, C. H. The constituents of wheat and wheat products. 332 p. N. Y., Reinhold, 1944. (Amer. Chem. Soc. Monog. Ser. 96) 389 B152C

17223 BELGIAN CONGO. SERVICE DE L'AGRICULTURE ET COLONISATION. SECTION DE LA PRODUCTION DE CAOUTCHOUC. Petit manuel à l'usage de tous ceux qui contribuent à la production du caoutchouc sauvage. 31 p., processed. Leopoldville, 1943. 78 K83

Includes tapping methods, processing, and trade.

17224 THE BLUE book of southern progress, 1943. 132 p. Baltimore, Mfrs. Rec., 1944. 252 M312

Contains statistics of agriculture and agricultural products.

17225 BRANCHE, MARGARET. "Freeze it,"... a non-technical booklet written from experience explaining the latest ideas, time saving tools and methods for the home preservation of foods by quick freezing. 34 p. Towanda, Pa., Margaret Branche, 1943. 389.3 B73

17226 BUSHMAN, ANN, comp. Summary of carlot unloads, truck receipts and local receipts of agricultural commodities, in Bridgeport, Hartford, New Haven and Waterbury, for the year 1943. 17 p., processed. Hartford, Conn. State Dept. Agr. Bur. Markets, 1944. 280.39 C762



- 17227 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the artificial and real silk industry in Canada 1942. 11 p., processed. Ottawa, 1944. 253 C3321
- 17228 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the tobacco industries in Canada 1942. 24 p., processed. Ottawa, 1944. 253 C3321
- 17229 CARVALHO, J. B. DE M. Ensaios sobre a carnaubeira. 369 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. Ref., p. 353-357. 77 B642
- 17230 \*DORNER, WILLY, DEMONT, PAUL, and CHAVANNES, DANIEL. Microbiologie laitière; publiée sous les auspices de l'Association Suisse des Professeurs d'Agriculture. 224 p. Lausanne, Payot, 1942. 448.2 D734
- 17231 GRAPEFRUIT ADMINISTRATIVE COMMITTEE. Second annual report, desert grapefruit marketing program, season of 1942-1943. 15 p., processed. Phoenix, Ariz., Grapefruit Admin. Com. and Grapefruit Advisory Bd., 1943. 280.3939 G76
- 17232 \*GRÜNER, V. S. Uproshchennye metody pererabotki kakao-bobov [Simplified methods of usage of cocoa beans]. 37 p. Moskva, Vsesoiuznyi Konditer'skii Nauchno-Issledovatel'skii Institut, 1942. 68.3 G88
- 17233 HANNA, P. R., and KRUG, E. A. Marketing the things we use. 315 p. Chicago, Scott, 1943. 280.3 H192
- Includes marketing of food products with particular attention to coffee.
- 17234 HARPER, L. K. Dehydration, its post-war future. 132 p. N. Y., Williams, 1943. 389.3 H23
- 17235 HAYNES, WILLIAMS. The chemical front. 264 p. N. Y., Knopf, 1943. 388 H33Cf
- Achievements in chemistry, including insecticides, and synthetic vanilla, rubber, and fibers.
- 17236 HOLMES, H. N. Out of the test tube. Ed. 4, rev. and expanded. N. Y., Emerson Books, 1943. 386 H730
- Includes chapters on silks and cellulose, sugars, fats, the farm as a factory, strategic raw materials, etc.
- 17237 INDIA. DEPT. OF COMMERCIAL INTELLIGENCE AND STATISTICS. Crop atlas of India. Rev. ed., 19 double maps. Delhi, 1939. 269.5 C73
- Maps show the area under cultivation of different crops.
- 17238 INTERNATIONAL SOCIETY OF LEATHER TRADES' CHEMISTS. BRITISH SECTION. Emulsion technology, theoretical and applied, including the symposium on technical aspects of emulsions. 290 p. Brooklyn, Chem. Pub. Co., 1943. 387.1 In8E
- Ref. at end of most sections.
- Partial contents: The design of emulsifying machines, by R. I. Johnson, p. 88-118; Problems connected with the preparation and application of emulsions used in agricultural spraying, by R. M. Woodman, p. 127-175; Some observations on a typical food emulsion, by J. W. Corran, p. 176-192; Emulsions and emulsification in the wool textile industry, by J. B. Speakman and N. H. Chamberlain, p. 193-206; Emulsions in the leather industry, by W. R. Atkin and F. C. Thompson, p. 230-239; Rubber latex, by H. P. Stevens and W. H. Stevens, p. 240-252.
- 17239 \*KOPELIOVICH, P. S. Analiz v kozhevennom proizvodstve [Analysis in the leather industry]. V.1, 415 p. Moskva, Gosudarstvennoe Izd. Legkoi Promyshlennosti, 1941. 303 K83
- 17240 \*KRASNOV, K. A. Vydelka kozliny dlia zimnego obmundirovaniia [The production of goatskin for winter uniforms]. 22 p. Moskva, Gizlegprom, 1942. 303 K86
- 17241 \*KRASNOV, K. A. Vydelka shubnoi ovchiny kustarnym sposobom [The production of sheepskin by hand-made methods]. 22 p. Moskva, Gizlegprom, 1942. 303 K86V
- 17242 \*LAIKOV, V. V., ed. Kachestvo sovetskogo khlopka [Quality of Soviet Cotton]. 236 p. Moskva, Tsentralnyi Nauchno-Issledovatel'skii Institut Khlopchatobumazhnoi Promyshlennosti, 1939. 72 L14
- Contents: Novye selektsionnye sorta sovetskogo khlopka [New varieties of Soviet cotton], by V. V. Laikov, p. 3-99; Kachestvo khlopka si-silend [The quality of sea-island cotton], by M. M. Moiseenko, p. 100-113; Izuchenie prichin razlichii v mekhanicheskoi prochnosti khlopkov amerikanskikh i egipetskikh semian [On the difference in firmness of American and Egyptian cottons], by A. N. Boiarkin, p. 114-133; Bystryi metod opredeleniia vlazhnosti khlopka elektropriborom [Quick method of determining cotton moisture by an electrical apparatus], by S. I. Shchegolev, p. 134-145; Opredelenie zasorennosti khlopka na analizatore [Analysis of cotton for impurities], by A. G. Feofilov, p. 146-172; Voloknouchistitel'naiia mashina [Cotton-fiber cleaning machine], by S. I. Shchegolev, p. 173-203; Povyshenie proizvoditel'nosti dzhinov i kachestvo khlopka [Increasing the productivity of gins and its effect on cotton quality], by V. V. Laikov, p. 204-235.
- 17243 \*LIBERMAN, P. SH. Trebovaniia promyshlennosti k kachestvu urozhaia khlopka [Demands of industry for high grade cotton harvest]. 27 p. Moskva, Gosudarstvennoe Izd. Legkoi Promyshlennosti, 1939. 72 L61
- 17244 \*MAKRINOV, I. A. Biologicheskaiia matsera tsifa rastitel'nykh tkanei; vvedenie v izuchenie biologicheskoi mochki volknistykh rastenii [Biological maceration of plant tissues; introduction to the study of the biological maceration of fibrous plants]. 114 p. Moskva, Akademii Nauk, 1941. 463.29 M28
- German summary.
- 17245 MATHIESON, G. S. Wheat and the futures market; a study of the Winnipeg Grain Exchange. 74 p. Winnipeg, Hignell Print. Ltd., 1942. 280.359 M42
- 17246 MEASURES to improve the quality of the nation's milk supply. 8 p. London, H. M. Stationery Off., 1943. (Gt. Brit. Parliament. Papers by Command. Cmd. 6454). 281.344 G793
- 17247 \*MERKEL, HANS. Die marktordeung und ihr recht. 262 p. Berlin, Reichsnährstand, 1942. 281.175 M54
- An account of the German system of market regulation, its history, application to various products, and relation to other laws. Price control is included.
- 17248 MILWAUKEE JOURNAL. War-time consumer analysis of the greater Milwaukee market. 20th Ann. ed., 1943, 107 p. Milwaukee, 1943. 280.9 M64
- Includes study of consumption of food and other agricultural products.
- 17249 MUKERJEE, RADHAKAMAL. The food supply of India. 32 p. London, Milford, 1942. (Oxford Pam. on Indian Aff. 8). 281.182 M892Fo
- 17250 NOTESTEIN, F. W., and others. The future population of Europe and the Soviet Union; population projections 1940-1970. 315 p. Geneva, League of Nations, Econ., Financ. and Transit Dept., 1944. 280.9 L47P
- I. B. Tasuber, Dudley Kirk, A. J. Coale, and L. K. Kiser, joint authors.
- Selected Bibliography on Population Projections with Special Reference to Europe, p. 219-234.
- Includes, p. 165-169, extent of population pressure on the land.



17251 PORTER, B. W. Transportation requirements for the movement of hay from the field to the point of consumption on a statewide basis, under prevailing wartime conditions. 38 p., processed. Los Angeles, Calif. Railroad Comm. Transportation Dept. Engin. Div, 1943. 289.4 C122

17252 PROGRESSIVE GROCER. Facts in food and grocery distribution, as of Jan. 1944. 23 p. New York, The Progressive Grocer, 1944. 286.29 P94  
Report for 1943 of retail grocery and food sales and prices.

17253 \*ROGOV, M. S. Stakhanovskie metody prokatki kozh [Stakhanovite methods in the rolling of hides]. 15 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1940. 303 R632

17254 \*SOKOLOV, S. I., ed. Fiziko-khimiia kollagena, tannidov i protsessov dubleniia; (Nauchno-Issledovatel'skie Raboty Laboratorii Fizicheskoi i Kolloidnoi Khimii) [Physico-chemistry of collagen, tannides and tanning processes]. 195 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1941. 303 So3

17255 \*SPASSKIĬ, N. A., FIRSANOVA, E. A., and VASIL'EVA, Z. T. Rastitel'nyi klei dlia pereplet-nikh rabot [Vegetable glue for bookbinding work]. 132 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1939. 309 Sp2

At head of title: Trudy Nauchno-Issledovatel'skogo Instituta Poligraficheskoi i Izdatel'skoi Tekhniki NKMP.

17256 TEXTILE FOUNDATION, INC. Directory of textile testing laboratories, commercial and educational. 20 p. Washington, 1943. 225 T313

17257 TEXTILE MERCURY, LTD. Wool year book 1943. 645 p. Manchester, England, 1943? 45.8 W883  
Contains a review of the industry and data on processing of wool.

17258 U. S. FEDERAL TRADE COMMISSION. Report... on distribution methods and costs. Part I. Important food products. 223 p. Washington, 1944. 173 F32Dm

Includes discussion of the coffee, flour milling, milk and milk products, sugar, fruit and vegetable canning, and meat packing industries.

17259 \*VILENSKIĬ, E. KH. Sbor i zagotovka rastitel'nykh dubitelei [Collection and preparation of vegetable tannides]. 122 p. Moskva, Gosudarstvennoe Izd. Legkoï Promyshlennosti, 1940. 303 V712

#### ANIMAL INDUSTRY

17260 COFFIN, D. L. Manual of veterinary clinical pathology. 120 p. Phila., Col. Offset Press, 1944. 41 C65

Ref. at end of most sections.

Laboratory procedures and interpretations for practitioners and students.

17261 CONN, H. J., and DARROW, M. A., eds. Staining procedures used by the Biological Stain Commission. Various paging. Geneva, N. Y., Biotech Pub. 1945. 442 C763S

Loose-leaf.

Ref. at end of sections.

Contents: Introduction (general methods); Pt. I. Animal histology, Sect. A - D.

17262 THE FEED Bag Red Book; reference book of the feed industry; buyers guide for 1944. 200 p. Milwaukee, Ed. Serv. Co., 1944. 389.78 F322

Partial contents: Feed industry meeting its obligation, by Lyman Peck, p. 9-10, 13; Feed vitamin knowledge is growing, by C. A. Elvehjem and G. M. Briggs, Jr., p. 34-38, 41-43, 45; Good feeds made despite shortages, by Harry Titus, p. 129-138; Poultry conservation saves feed, by C. D. Carpenter, p. 171, 174; Vitamin tables, p. 149-150, 154-157; Feed ingredient analysis tables, p. 152-153.

17263 FOX, W. M. The A B C of poultry-raising. A handbook of practical poultry-craft, whether your flock numbers 6 or 6000. 165 p. Los Angeles, Coast Pub., 1943. 47 F833

Includes diagrams for construction of houses and equipment, and information on diseases and parasites.

17264 GARNER, F. H. The farmer's animals; how they are bred and reared. 99 p. Cambridge, England, Univ. Press, 1943. 40 G18

Written to introduce the subject to young people.

17265 GENERAL MILLS, INC. The Larro turkey book. Ed. 2, 39 p. Minneapolis, 1945. 47.3 G28

Prepared by the Poultry Service Dept. of General Mills Larro Research Farm.

Advertises Larro turkey feeds.

17266 GROSSMAN, J. D. Dissection guide for veterinary anatomy. Ed. 4, 52 p., processed. Ann Arbor, Mich., Edwards, 1944. 41 G91

For students. Interleaved for notes.

17267 GUABER, J. Gallos, gallinas y pollos. Ed. 3, 68 p. Madrid, Ed. Ibéricas, 1941? (Pequeña Enciclopedia Práctica, No. 8) 47 G93

17268 HILL, H., and DODSWORTH, E. Food inspection notes; a handbook for students. 121 p. London, Lewis, 1943. 389.4 H55

Includes slaughtering, precautions to take in the processing of various foods, and diseases of food animals.

17269 INTERNATIONAL BABY CHICK ASSOCIATION. Who's who in the hatchery world, and year book for 1944. Ed. 10, 336 p. Kansas City, Mo., 1944. 47.9 In83

17270 KING, D. F. Poultry handbook for the Southern States. 68 p. Raleigh, Prog. Farmer-Ruralist Co., 1944. 47 K58P

17271 KRAUSBECK, E. El perro de policía; su cría, educación y adiestramiento. Ed. 5, 122 p. Buenos Aires, Artus, 1943. 48 K86

17272 LEBEL, L. D., and ZELENSKIĬ, IŬ. G. Kozovodstvo i kozy Dagestana (Goats and goatbreeding of Dagestan). 61 p. Piätigorsk, Vsesoiūznyi Nauchno-Issledovatel'skii Institut Ovtsevodstva i Kozovodstva, 1936. Ref. 40.1 L49K

English summary.

17273 MAKAROV, A. M., ed. Sbornik nauchnykh rabot po kormleniiu ovets [Collection of scientific studies on feeding of sheep]. 190 p. Voroshilovsk, Ordzhonikidzevskoe Kraevoe Izd., 1939. 389.7 M28

17274 MEIK, M. W. Diseases and parasites of rabbits and their control. Ed. 3, 189 p. Montebello, Calif., Reliable Fur Indus., 1943. Ref., p. 184-185. 41 M475D

17275 MERCHANT, I. A., and PACKER, R. A. Handbook for the etiology, diagnosis and control of infectious bovine mastitis. 66 p., processed. Minneapolis, Burgess, 1944. Ref., p. 62-66. 41 M53

17276 NATIONAL POULTRY INSTITUTE, INC. Opportunities in poultry keeping. Locating the poultry plant. Rev. ed., 81 p. Adams Center, N. Y., 1943. 47 N21  
Commercial poultry farming course, lessons 1, 2, 3 and 4.

17277 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El astrekan en Navarra. 21 p. Pamplona, Aramburu, 1939. 45 N22

Raising Karakul sheep.

17278 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Breviario del cunicultor. 27 p. Pamplona, Aramburu, 1939. 40.2 N22

17279 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Conferencias radiadas por el micrófono de radio Navarra en 1937: gallinocultura, cunicultura, apicultura, ganado lanar. 33 p. Pamplona, Aramburu, 1938. 40 N22



17280 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Los despojos del conejo. 19 p. Pamplona, Aramburu, 1939. 40.2 N22D

17281 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Ensilado de forrajes. 22 p. Pamplona, Aramburu, 1939. 60.7 N222

17282 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. El gallinero casero. 18 p. Pamplona, Aramburu, 1939. 47 N22

17283 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Un rapport télégraphique sobre la cría porcina. 19 p. Pamplona, Aramburu, 1939. 46 N22

17284 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Ratas y ratones; temibles enemigos del campo y la ciudad. 16 p. Pamplona, Aramburu, 1940. 412.7 N22

Damage done by rats and mice and methods for controlling them.

17285 POVAZHENKO, I. E. Zabolevaniia kholki lozhadi [Diseases of the horse's withers]. 148 p. Kiev, Derzhavne Vidavnistvo Kolgospnoi i Radgospnoi Literaturi URSR, 1937. Ref., p. 152-154. 41 P862

17286 RENTSCHLER, H. C. More chickens quicker with short wave ultraviolet. 3 p., processed. Bloomfield, N. J., Westinghouse Elect. & Mfg. Co., 1944. 47 R29

Ultraviolet lamps in brooding houses prevent infection and promote growth.

17287 ROSCOE, CHARLES. Manual of duck keeping. 52 p. London, Crowther, 1943? 47.1 R71

Abbreviated edition of his Ducks and Duck Breeding, published in 1941.

17288 VERMONT UNIVERSITY AND STATE AGRICULTURAL COLLEGE. DEPT. OF ANIMAL AND DAIRY HUSBANDRY. Papers presented at: 1. Twenty-second short course conference for dairy plant operators and milk distributors, and twenty-second annual meeting of the Vermont Dairy Plant Operators and Managers Association, November 3-4, 1943. 2. First short course conference for feed manufacturers, distributors and feeders, and first annual conference of the Vermont Feed Dealers and Manufacturers Association, October 6-7, 1943. 173 p. Burlington, 1944? 44.9 V593

17289 VEZZANI, VITTORINO, and CARBONE, ETTORE. Problemi relativi alla produzione economica della carne bovina in Piemonte. 7 p. Torino, Tipog. de "La Stampa," 1939. 43 V64

17290 VEZZANI, VITTORINO, and FRANCESCHETTI, GIUSEPPE. La selezione della gallina Piemontese. 7 p. Torino, Tipog. de "La Stampa," 1939. 47 V64

17291 WILSON, W. K. Rabbits for profit (food and fur). 88 p. London, Crowther, 194-? 40.2 K58R

#### ENTOMOLOGY

17292 BOWEN, C. V. Organic iodine compounds tested against insects, fungi, and bacteria. A review of the literature. 20 p. N. Y. Iodine Ed. Bur., 1944. Ref., p. 15-20. 241.7 B67

17293 IMPERIAL INSTITUTE OF ENTOMOLOGY, LONDON. PARASITE SERVICE. A catalogue of the parasites and predators of insect pests, prepared under the direction of W. R. Thompson, Sect. 1. Pts. 1-2. Belleville, Ont., 1943. 423 Im7

Contents: Parasite host catalogue: 1. Parasites of the Arachnida and Coleoptera; 2. Parasites of the Dermaptera and Diptera.

17294 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Abejas productivas; apicultura movi- lista. 23 p. Pamplona, Aramburu, 1942. 424 N22

17295 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Una peste rural, la mosca doméstica [Musca domestica]. 17 p. Pamplona, Aramburu, 1939. 428 N22

17296 \*NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. La producción de la seda, el gusano y su crianza. 20 p. Pamplona, Aramburu, 19-? 425 N22

17297 ROTARY CLUB DE MONTEVIDEO. Recopilación de antecedentes sobre el empleo del dinitro-orto-cresol en la lucha contra la langosta. 20 p. Montevideo, 1941. 429 R74

17298 \*\*SAMPAYO, R. R. L. Latrodectus mactans y latrodectismo. 227 p. Buenos Aires, 1942. Thesis.

Abs. in Biol. Abs. 18: Item 3853. Feb. 1944. 442.8 B526

17299 \*SCHWEIZER, GEORG. Universal-schnellfärbemethode für kern- und chromosomenuntersuchungen bei pflanze und tier (dioxymateinfachchromlack-verfahren). 44 p. Jena, Fischer, 1942. 442 Sch9

17300 STEPANOV, E. M. Serebristyĭ kleshchik (Phylloctes oleivorus Ashm.) i bor'ba s nim [The rust mite and its control]. 57 p. Moskva, Izd. Sektora Vneshnego i Vnutrennego Karantina Rastenii i Tsentral'noi Karantinnoi Laboratorii NKZ SSSR, 1939. 434 St42

With English summary.

#### FOOD AND HUMAN NUTRITION

17301 AMERICAN DIETETIC ASSOCIATION. Report of war conference ... Pittsburgh, Oct. 19-22, 1943. 17 p., processed. Chicago, Burnett, 1943. 389.9 Am35R

Cover title: Report on the Pittsburgh food meeting.

17302 AMERICAN HOME ECONOMICS ASSOCIATION. Directory of home economics in business. 64 p. n. p., 1943. 225 Am324

17303 BANE, S. L., and LUTZ, R. H., eds. Organization of American relief in Europe 1918-1919 including negotiations leading up to the establishment of the Office of Director General of Relief at Paris by the Allied and Associated Powers. 745 p. Stanford Univ., Calif., Stanford Univ. Press, 1943. (Hoover Libr. on War, Revolution, and Peace. Pub. 20) 280.17 B22

Includes the effect of the Armistice on the food situation and the food relief program.

17304 BEROLZHEIMER, RUTH, ed. Military meals at home cook book. 48 p. Chicago, Consolidated Book Pub., 1943. 389.25 B453M

17305 CADDICK, FREDERICK. Decontamination of foodstuffs. Rev. ed., 15 p. London, Sanit. Pub. Co., 1943. 389 C112

17306 \*FIESSINGER, NOEL. Les déficiences vitaminiques et hormonales. 290 p. Paris, Masson, 1942. 386.2 F46

17307 \*FORSCHUNG für volk und nahrungsfreiheit. 2., völlig neubearbeitete ausg., 799 p. Neudamm und Berlin, J. Neumann, 1942. (Forschungsdienst, Sonderheft 16.) 18 F772

Individual articles are listed separately in this bibliography.

17308 \*GIROUD, A., and RATSIMAMANGA, A. R. Acide ascorbique, vitamine C. 212 p. Paris, Hermann, 1942. (Actualités Scientifiques et Industrielles 921) 386.2 G44A

At head of title: Équilibre d'Alimentation et de Nutrition, exposés publiés sous la direction de Lucie Randoin...III.

17309 GROCERY MANUFACTURERS OF AMERICA, INC. Report of war conference ... New York, November 3-5, 1943. 15 p., processed. Chicago, Burnett, 1943. 389.9 G89

Cover title: Report on the New York food meeting.

17310 HARRIS, F. L. Victory vitamin cook book for wartime meals. 185 p. N.Y., Penn, 1943. 389.25 H243V



17311 HEATH, AMBROSE. Good cheese dishes. 78p. London, Faber, 1943. 389.25 H352Go

17312 INTERNATIONAL LABOUR OFFICE. The health of children in occupied Europe. 38 p. Montreal, 1943. 280.17 In82

Food rations, supplies, and nutrition are included.

17313 JACOB, H. E. Six thousand years of bread its holy and unholy history. 399 p. Garden City, N. Y., Doubleday, 1944. 389 J152

17314 \*LUNDE, GULBRAND. Vitamine in frischen und konservierten nahrungsmitteln. Ed. 2, Ed. by Lars Erlandsen, 277 p. Berlin, Springer, 1943. Ref., p. 240-258. 389.1 L972

17315 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. Report of the Committee on Protein Foods, April 14-15, 1943. 25 p., processed. Washington, 1943. 389.1 N2183R

17316 ORR, J. B. Food and the people. 56 p. London, Pilot, 1943. (Target for Tomorrow III) 389 Or7Fo

17317 PIJOAN, M., and ROSEKELLEY, R. W. Nutrition and certain related factors of Spanish-Americans in northern Colorado. 19 p. Denver, Rocky Mountain Council on Inter-Amer. Aff., 1943. 389.1 P63

17318 SMEDLEY-MACLEAN, IDA. The metabolism of fat. 104 p. London, Methuen, 1943. 386.2 M223

17319 SOFŮZ VITAMINNOŮ PROMYŠLENNOSTI. Sborník technologických instrukcí po výrobě vitamínů [Collection of technological instructions on the production of vitamins]. 143 p. Moskva, Pishchepromizdat, 1943. 389.1 So3

#### FORESTRY

17320 BOULTON, E. H. B., and JAY, B. A. Building timbers, dealing with softwoods and hardwoods, with notes on selection, marketing, seasoning, preservation, and use. 111 p. London, Newnes, 1943. 99.75 B66

17321 CENTRE INTERNATIONAL DE SYLVICULTURE. Bibliographia forestalis, 1941. 276 p. Berlin, 1942. 241.01 B473

17322 ISAAC, L. A. Reproductive habits of Douglas-fir. 107 p. Washington, Charles Lathrop Pack Forestry Found., 1943. Ref., p. 106-107. 99.46 Is1

17323 \*METZ, LUDWIG. Holzschutz gegen feuer. Ed. 2., 180 p. Berlin, VDI, GmbH, 1942. Ref., p. 165-172. 300 M56

17324 NATIONAL HARDWOOD LUMBER ASSOCIATION. Rules for the measurement and inspection of hardwood lumber, cypress, veneers, and thin lumber and national hardwood lumber sales code...effective January 1, 1944. 104 p. Chicago, 1944. 99.75 N211

17325 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. Plagarias del árbol. 19 p. Pamplona, Aramburu, 1939. 99.36 N22

On the beneficial effects of forests.

17326 PLASTICS INDUSTRIES TECHNICAL INSTITUTE. Plastics; theory, properties, application, technique. 3 Sup., Lessons 35a-35c, processed. N. Y., 1943. 309 P692

Resin bonded plywoods: 35a. Resin adhesives; 35b. Aircraft woods; 35c. Molding and forming techniques.

17327 RODGERS, JOHN. The English woodland. Ed. 2, 132 p. London, Batsford, 1942. 99.25 R61

Describes the various forest areas of England, with special reference to historical and literary associations. 96 illustrations.

17328 \*SIEBER, RUDOLF. Die chemisch-technischen untersuchungs-methoden der zellstoff- und papierindustrie. 690 p. Berlin, Springer, 1943. 302 S11

17329 SOCIETY OF AMERICAN FORESTERS. COMMITTEE ON FORESTRY TERMINOLOGY. Forestry terminology, a glossary of technical terms used in forestry. 84 p.

Washington, 1944. 99.01 Sol  
R.C. Hawley, chairman of committee.

17330 TIMBER DEVELOPMENT ASSOCIATION, LTD. Timbers of British West Africa. 50 p. London, 1942. 99.27 T48

17331 TIMBER DEVELOPMENT ASSOCIATION, LTD. World timber supplies. 27 p. London, 1944. 99.73 T48

17332 TROTTER, H. Manual of Indian forest utilization. 419 p. Calcutta, Milford, 1940. 99.75 T752

#### PLANT SCIENCE

17333 AINSWORTH, G. C., and BISBY, G. R. A dictionary of the fungi. 359 p. Kew, Surrey, Imp. Mycol. Inst., 1943. 462 A16

17334 BURKART, ARTURO. Las leguminosas argentinas, silvestres y cultivadas. 590 p. Buenos Aires, Acme, 1943. Ref., p. 546-566. 452.3 B913

17335 COLOMBIA. DEPARTAMENTO DEL VALLE DEL CAUCA. SECRETARÍA DE AGRICULTURA Y FOMENTO, AND SECRETARÍA DE HACIENDA. Cultivo del tabaco en el Valle del Cauca. 43 p. Cali, Imprenta Departamental, 1943. 69 C71

17336 DRAKE, M. E. Challenge to gardeners. 157 p. London, Gifford, 1943. 98.5 D78  
Landscape gardening for a municipal park.

17337 ERICKSON, A. W. Wheat and buffalo grass. 35 p. Okla. City, Harlow, 1943. 59.26 Er4

17338 FERREIRA FILHO, J. C. Cultura do milho. 43 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. 59.22 F412

17339 FERREIRA FILHO, J. C. Cultura do trigo. 46 p. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1942. 59.26 F413

17340 FOSBERG, F. R. Colombian Cinchona manual. 27 p., processed. Bogota, 1943. 452.35 F78

17341 GEORGIA (TRANSCAUCASIA) INSPEKTSIYA po KARANTINU RASTENII. Instruktsii po bor'be s karantinnymi sornikami gorchekom rozovym i povilikoi [Instruction on quarantine control of Acroptilon picris S. A. M. and Cuscuta]. 21 p. Tbilisi, Izdenie Gosud. Inspektii po Kerantinu Rastenii, 1939. 79 G292

17342 HAMPSHIRE, JOHN. Specialisation in the garden. 80 p. London, Gifford, 1943. 91.15 H183  
Cultivation of vegetables.

17343 HASELTON, S. E. Cacti and succulents and how to grow them. 64 p. Pasadena, Calif., 1943. 96.3 H27C

17344 IMPERIAL BUREAU OF PLANT BREEDING AND GENETICS. New and promising varieties of field and horticultural crops; recently described in the literature (5th issue). 21 p. Cambridge, England, Oct. 1 1943. 64.9 Im72N

17345 IMPERIAL MYCOLOGICAL INSTITUTE, KEW. Distribution maps of plant diseases. Nos. 49-50. Kew, Surrey, England, 1944. 464.9 Im7

17346 KHOLODNYI, N. G. Fitogormony; ocherki po fiziologii gormonal'nykh favlenii v rastitel'nom organizme [Phyto-hormones; essays on the physiology of hormonal phenomena in plant organisms]. 263 p. Kiev, Akad. Nauk USSR, 1939. Ref., p. 252-263. 463.36 K52

17347 \*KOMAROV, V. L. Prakticheskii kurs anatomii rastenii [Practical course in plant anatomy]. Ed. 8, 311 p. Moskva, Akad. Nauk SSSR, 1941. 463.41 K83



- 17348 LAMB, E. Flowering your cacti. 56 p. Worthing, England, Neale, 1943. 96.31 L16
- 17349 \*LYSENKO, T. D. Agrobiologiya: sbornik rabot po voprosam genetiki, selektsii i semenovodstva [Agro-biology: collection of works on genetics, breeding and seed production]. 351 p. Moskva, "Sel'khozgiz," 1943. 453 L992
- 17350 MARTIN, R. S. How to prune fruit trees. 90 p. Hollywood, Calif., Murray, 1944. 93.5 M36
- 17351 NAUMOV, N. A. Bolezni sel'skokhozhyaistvennykh rastenii (fitopatologiya) [Diseases of agricultural plants (phytopathology)]. 565 p. Moskva, Sel'khozgiz, 1940. Ref., p.521-546. 464 N222
- 17352 \*NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. Cultivo del tabaco, 20 p. Pamplona, Aramburu, 1943. 69 N22
- 17353 NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. El hongo comestible; misterios de su cultivo. 15 p. Pamplona, Aramburu, 1940. 91.7 N22
- 17354 NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. Lino, soja y lúpulo, cultivos del porvenir. 28 p. Pamplona, Aramburu, 1938. 77 N22
- 17355 \*NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. El maíz cereal americano. 15 p. Pamplona, Aramburu, 19—? 59.22 N22
- 17356 \*NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. Los microfactores y bacterias en la alimentación de animales y plantas. 15 p. Pamplona, Aramburu, 1943. 386.2 N22
- 17357 NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. La patata, el tubérculo de los Incas. 24 p. Pamplona, Aramburu, 1939. 75 N22
- 17358 NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. El trigo; secretos para su gran producción. 18 p. Pamplona, Aramburu, 1939. 59.26 N22
- 17359 PENA, L. DE A. Jardins; pequenos jardins-jardins em terraços - plantas em vasos e jardineiras. 118 p. Rio de Janeiro, Ministério da Agricultura, Serviço Florestal, 1943. 97 P37
- 17360 POST, KENNETH. Plants and flowers in the home. 198 p. N. Y., Orange Judd, 1944. 96.06 P64
- 17361 SHIMER, H. W. Origin and significance of plant names. 60 p. Hingham, Mass., So. Shore Nature Club, 1943. 452.14 Sh3
- 17362 \*SUKHOV, K. S. Virussy rastenii i nasekomye-perenoschiki [Plant viruses and insect carriers]. 67 p. Moskva, Akademiya Nauk, 1942. Ref., p. 63-66. 423 Su4
- 17363 WAGNER, P. R. The flora of Schuylkill County, Pennsylvania. 230 p. Phila., 1943. 455.36 W12
- Thesis (PhD) Univ. of Pa., 1941.
- 17364 WEBBER, H. J., and BATCHELOR, L. D. The citrus industry. v. 1. History, botany and breeding. 1028 p. Berkeley, Univ. of Calif. Press, 1943. Ref., p. 953-1010. 93.33 W38
- Contents: I. History and development of the citrus industry, by H. J. Webber, p. 1-40; II. Plant characteristics and climatology, by H. J. Webber, p. 41-69; III. The commercial citrus regions of the world, by H. J. Webber, p. 71-127; IV. The botany of citrus and its wild relatives of the orange subfamily (family Rutaceae, subfamily Aurantioideae), by W. T. Swingle, p. 129-474; V. Cultivated varieties of citrus, by H. J. Webber, p. 475-668; VI. General morphology, histology, and physiology, by E. T. Bartholomew, and H. S. Reed, p. 669-717; VII. The mineral nutrition of citrus, by H. D. Chapman, and W. P. Kelley, p. 719-766; VIII. Seed production: development of gametes and embryos, by H. P. Frost, p. 767-815; IX. Genetics and breeding, by H. B. Frost, p. 817-913; X. Bud variation and selection, by A. D. Shamel, p. 915-952.

## SOILS AND FERTILIZERS

- 17365 KURTZ, L. T. Adsorption and release of phosphate ion by soils and clays. 6 p. Urbana, Ill., 1943. 56.42 K96
- Abstract of thesis (Ph. D.) Univ. of Ill., 1943.
- 17366 MALYGIN, V. S. Glubokiĭ zakrytyĭ drenazh [A deep closed drainage system]. 122 p. Tashkent, Sofiznikhi, 1939. 54 M29
- English summary.
- 17367 MELSTED, S. W. Base-exchange equilibria in soils and other exchange materials. 6 p. Urbana, Ill., 1943. 56.42 M49
- Abs. of theses, Ph. D. - Univ. of Ill., 1943.
- 17368 NAVARRE, SPAIN. DIRECCION DE AGRICULTURA Y GANADERIA. El abono; resorte vital de la producción agrícola. 21 p. Pamplona, Aramburu, 1939. 57 N22
- 17369 RAMALINGAM, A. V., and NARASHIMA AYYANGAR, R. Report on the Colombo South Drainage Scheme. 28 p. Colombo, Ceylon Govt. Press, 1939. (Ceylon Sess. Paper V.-1939) 54 R14R

## MISCELLANEOUS

- 17370 AMERICAN RUSSIAN INSTITUTE. The Soviet Union today; an outline study; syllabus and bibliography. 111 p. N. Y., 1943. 280.179 Am3
- Agriculture, p. 42-45.
- 17371 \*CONGRESO NACIONAL DE CIENCIAS AGRARIAS. 1st, LISBOA, 1943. Participación española en el I Congreso Nacional de Ciencias Agrarias, Lisboa, noviembre 1943. Sección 15ª. Comunicación sobre: Organización y cometidos del Ministerio de Agricultura español, por Eladio Morales y Fraile. 12 p., typewritten. Lisboa, 1943. 33.23 C76
- Issued by Spain. Ministerio de Agricultura. Sección de Relaciones Agronómicas con el Extranjero.
- 17372 DICKERSON, D. F., and COLLINGS, G. H. Directed studies in general agriculture; an outline course with complete references for use in schools. 120 p. Grand Rapids, Minn., Grand Rapids Herald-Rev., 1944. Ref. p. 1-2. 30.2 D55D
- 17373 FOWLKES, J. G., ed. Educators index of free materials. Annotated, 27th rev., 162 numbered cards. Randolph, Wis., Educators Prog. League, 1943. 241.25 F82
- Accompanied by pamphlet: Free Source Materials for the Wartime Curriculum, by the Educators Progress League, 11 p.
- Includes sections on nutrition, agriculture, soil conservation, and cooperatives and marketing.
- 17374 GRASES, PEDRO. Contribución a la bibliografía venezolana de temas agropecuarios. 177 p. Caracas, Venezuela, Ministerio de Agricultura y Cría, 1943. 241 G76
- 17375 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Agricultural Improvement Council for England and Wales, first report (covering the period to 30th June, 1942). 18 p. London, H. M. Stationery Off., 1943. 10 G799
- Recommendations made by the Council and action taken thereon in applying results of scientific research to agriculture and their incorporation into farming practice.
- 17376 HAZ E., C. R. Mapa agrícola del litoral. 1 p. Guayaquil, Ministerio de Agricultura del Ecuador, 1943. 227 Ec92



17377 HOWARD, J. K. Montana, high, wide, and handsome. 347 p. New Haven, Yale Univ. Press, 1944. 138 H832

Acknowledgments and bibliography, p. 330-339.

A historical account of the development of Montana, including the cattle industry, life on the range, homesteading, the Federal Reserve System and agriculture, soil blowing, and county planning.

17378 LOVE, H. H. Experimental methods in agricultural research. 229 p. Río Piedras, Puerto Rico, Agr. Expt. Sta., 1943. 251 L942E

Some concepts regarding experimental error and the methods of analysis of variance and covariance.

17379 NANKING. UNIVERSITY. COLLEGE OF AGRICULTURE AND FORESTRY. Contributions which the College of Agriculture and Forestry has made toward agricultural improvement in China. 5 p. Chengtu, China, 1939? 107 N15Co

17380 REYNIER, LOUIS. De l'économie publique et rurale des Egyptiens et des Carthaginois, précédé de considérations sur les antiquités éthiopiennes. 520 p. Genève, J. J. Paschoud, 1823. 132 R33

Contains chapters on agriculture.

17381 STAPLEDON, SIR GEORGE. The way of the land. 276 p. London, Faber, 1943. 30.4 St2

A collection of the author's papers and addresses on various phases of agriculture and rural England.

17382 STERN, JACQUES. The French colonies, past and future. 331 p. N. Y., Didier, 1944. Ref., p. 311-313. 131 St4

Brief, scattered references to agricultural subjects, and, in the Statistical Survey, lists of agricultural products for the colonies.

17383 TAYLOR, GRIFFITH. Australia. Ed. 2, rev., 455 p. N. Y., Dutton, 1943. 331 T21

Includes chapters on climate, soils and natural vegetation, settlement, distribution of agriculture, water supply and irrigation, factors determining distribution of the chief crops, and the cattle and sheep industries.

17384 WILCOX, E. V. Modern farmers' cyclopedia of agriculture. 497 p. N. Y., Orange Judd, 1944. Ref., p. 476-478. 30.1 W65M

Contents: Pts. I. Field crops; II. Garden crops; III. Fruits and nuts; IV. Beef cattle and dairying; V. Other live stock; VI. Poultry; VII. Drainage, fertilizers, irrigation, soils, etc.; VIII. Miscellaneous.



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 17385 BLAKESLEE, A. F. Controlled development of plants. (Abs.) Roy. Canad. Inst. Proc. Ser. IIIA (1942/43) 8: 32-33. 517 T63P
- 17386 BRIEGER, F. G. Coeficiente de variação e índice de variança. *Bragantia* 2: 313-331. Sept. 1942. 102.5 B73Tb  
English summary
- 17387 BUTTERFIELD, H. M. Katherine Davies Jones, 1860-1943. *Calif. Hort. Soc. Jour.* 5: 1-5. Jan. 1944. 81 C1293
- 17388 \*CLAUSSEN, P. Eduard Jahn. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (164)-(176). May 25, 1943. 451 D48  
List of his publications, p. (173)-(176).
- 17389 COVELL, C. V. Robert Marion Hatton. *Amer. Rose Ann.* 1944: vi. 81 Am31A  
See also In-Memoriam, p. 118-119.
- 17390 \*EGGEBRECHT, H. Methodik der samenuntersuchung. *Forschungsdienst, Sonderheft* 16, p. 240-245. Berlin, 1942. 18 F772
- 17391 \*ELVERS, IVAR. Cellulose acetate as a mounting medium for acetic smears. *Hereditas* 29: 87-90. 1943. 442.8 H42
- 17392 FOSTER, MULFORD, and FOSTER, RACINE. Plants without roots. *Jungle air dwellers*. *Frontiers* 8: 82-85. Feb. 1944. 410 F92
- 17393 GIUSEPPI, P. L. Dr. Fred Stoker, V. M. H., F. L. S. *Alpine Gard. Soc. Quart. Jour.* 11: 244-247. Dec. 1943. 84 A16
- 17394 \*GOTHAN, W. Pflanzen und pseudofossilien. *Deut. Bot. Gesell. Ber.* 60: 93-97. Mar. 26, 1942. 451 D48
- 17395 GÜSSOW, H. T. Sir Edwin John Butler, C. M. G., C. I. E., D. Sc., LL. D., F. R. S. 1874-1943. *Phytopathology* 34: 149-150. Feb. 1944. 464.8 P56
- 17396 HENRI ERNEST COLIN [1880-1943]. Paris. *Acad. des Sci. Compt. Rend.* 216: 393-395. 1943. 505 P21
- 17397 \*HUBER, BRUNO, and STRUGGER, SIEGFRIED. Ernst Rouschal. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (186)-(198). May 25, 1943. 451 D48
- 17398 \*HUBER, BRUNO, and HOLDHEIDE, WILHELM. Jahrringchronologische untersuchungen an hölzern der bronzzeitlichen Wasserburg Buchau am Federsee. *Deut. Bot. Gesell. Ber.* 60: 261-283. June 25, 1942. 451 D48
- 17399 \*KIENAST, G. Tagebuchblatt von einer Aegyptreise (Korfu). *Schweiz. Gart., No.* 10, p. 255. Oct. 1943. 80 Sch93
- 17400 KNOX, A. S. A carboniferous flora from the Wamsutta formation of southeastern Massachusetts. *Amer. Jour. Sci.* 242: 130-138. Mar. 1944. 470 Am34
- 17401 KRAUSS, R. W., and KENT, G. N. Analyses and correlation of four New Hampshire bogs. *Ohio Jour. Sci.* 44: 11-17. Jan. 1944. 410 Oh3  
Studies of fossil pollen.
- 17402 LEMÉE, GEORGES. L'évolution forestière post-glaciaire du Limousin méridional d'après l'analyse pollinique. *Paris. Acad. des Sci. Compt. Rend.* 216: 74-75. 1943. 505 P21
- 17403 \*MANSFELD, RUDOLF. Die nomenklatur im "Verzeichnis der farn- und blütenpflanzen des deutschen reiches." *Deut. Bot. Gesell. Ber.* 60: 494-508. Jan. 28, 1943. 451 D48
- 17404 \*MANSFELD, RUDOLF. Nomenklaturregeln und nomenklatur in der botanik und in der zoologie. *Deut. Bot. Gesell. Ber.* 60: 373-383. Nov. 26, 1942. 451 D48
- 17405 MUENCH, JOYCE, and MUENCH, JOSEF. Banners and swords of the desert. The story of yucca. *Frontiers* 8: 98-101, 124. Apr. 1944. 410 F92
- 17406 MYERS, H. M. Pollination situation in western New York. *Gleanings Bee Cult.* 72: 81-82. Mar. 1944. 424.8 G47
- 17407 PERAK, J. T., 1916-1943. *Rev. Argentina de Agron.* 10: 399-401. Dec. 1943. 9 R327
- 17408 PORTER, C. L. Contributions of early botanists to pharmaceutical knowledge. *Amer. Jour. Pharm. Ed.* 8: 54-72. Jan. 1944. 396.8 Am33
- 17409 SALISBURY, E. J. Kew in war and peace. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 559-561. Mar. 1944. 10 G79J
- 17410 \*\*SILVA, A. R. P. DA. Um aspecto da etnobotanica portuguesa: os nomes vernáculos das plantas. *Rev. Agron. [Lisboa]* 30: 376-379. 1942. Abs. in *Herbage Abs.* 13: 366. Dec. 1943. 241 Im733
- 17411 SMITH, J. An old catalogue of trees. *Gard. Chron.* 115: 70. Feb. 12, 1944. 80 G162  
Catalog of sale of goods, dated 1765, containing list of 342 Old and New World trees signed by Daniel Croft.
- 17412 \*STUBBE, HANS. Helmut Döring. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (153)-(163). May 25, 1943. 451 D48  
List of his publications, p. (162)-(163).
- 17413 \*SUESSENGUTH, K. Hermann Ross. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 2): (177)-(185). May 25, 1943. 451 D48  
List of his publications, p. (182)-(185).
- 17414 VIEGAS, A. P. Técnica de cortes a mão livre. *Bragantia* 3: 193-198. Aug. 1943. 102.5 B73Tb
- 17415 WALTHER, ERIC. The Strybing Arboretum, Golden Gate Park. *Calif. Hort. Soc. Jour.* 5: 19-24. Jan. 1944. 81 C1293
- 17416 WATTS, M. T. Through a magnifying glass. [Plant details observed on winter trails.] *Morton Arboretum Bul. Pop. Inform.* 19: 5-8. Feb. 1944. 99.9 MB4
- 17417 \*WERTH, EMIL. Neues und kritisches zur kenntnis alter kulturpflanzen. *Deut. Bot. Gesell. Ber.* 60: 232-258. May 28, 1942. 451 D48
- 17418 WITTLAKE, E. B. Permanent prestaining in botanical microtechnic. *Ohio Jour. Sci.* 44: 36-38. Jan. 1944. 410 Oh3

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 17419 ALEXANDER, E. J., and SVENSON, H. K. The field trip to the New Jersey coast and Pine Barrens Friday and Saturday, June 26-27, 1942. *Torreya* 43: 170-173. Dec. 1943. 450 T63
- 17420 ALVARADO MONTESDEOCA, V. Una excursión botánica al Chimborazo. *Ecuador. Univ. Cent. Inst. Bot. Bol.* 2(3/4): 18-36. Sept. 1943. 451 Ec9
- 17421 BARKER, W. F., and others. Plantae novae Africae. XX. *Jour. So. African Bot.* 9: 145-160. Oct. 1943. 450 J8262  
Father F. J. Gerstner, R. S. Adamson, and R. H. Compton, joint authors.



17422 DANIEL, H. Una ascensión al cerro de "La Vieja." Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 120-126. Sept. 1943. 451 Ec9

17423 DANIEL, H. Plantas coleccionadas en una excursión al salto de Guadalupe. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 126-128. Sept. 1943. 451 Ec9

17424 DAVIS, J. H., JR. The natural features of southern Florida, especially the vegetation, and the Everglades. Fla. Dept. Conserv. Geol. Bul. 23, 311 p. Tallahassee, 1943. 406 F66B

17425 \*GEORGESCU, M. M. O calatorie in Delta [Romania]. Hort. Românească 17(9/10): 8-11. Sept. Oct. 1939. 80 R328

17426 HODGE, W. H. A botanist's Dominica diary. I. Sci. Monthly 58: 185-194. Mar. 1944. 470 Sci23

I. In and about Roseau.

17427 KELSO, LEON. Plants of Denver and vicinity (First supplement). Biol. Leaflet 22, 3 p. [Washington, D. C., The author], Feb. 22, 1944. 442.8 B528

17428 ROWNTREE, LESTER. Flowers of the battlefields. Flower Grower 31: 135, 170-172. Mar. 1944. 80 M72

17429 \*ROZEIRA, ARNALDO. Plantas novas ou pouco citadas para Trás-os-Montes e Alto-Douro. II. Broteria 12: 145-171. Nov. 1, 1943. 410 B79C

17430 RUPP, H. M. R. What constitutes a new botanical species? Victorian Nat. 60: 135-138. Jan. 1944. 410 V66

17431 \*SCHENK, HERMANN. Der botanische garten in Bern. Schweiz. Gart., No. 7, p. 178-179. July 1943. 80 Sch93

17432 \*TESCHNER, CLARA. Wildkräuter und wild-gemüse die unsere ahnen schätzten. Deut. Gart. 58: 51. May 1943. 80 P883

17433 WARD, F. K. Assam River. Gard. Chron. 115: 50-51. Jan. 29, 1944. 80 G162  
Account of the country, the vegetation, and a few of the plants observed on a river trip in Assam.

17434 WARD, F. K. Rima. Gard. Chron. 113: 76-77. Feb. 20, 1943. 80 G162  
Rima, Tibet, on north-east frontier of Burma.

17435 WATSON, E. V. The dynamic approach to plant structure and its relation to modern taxonomic botany. Cambridge Phil. Soc. Biol. Rev. 18: 65-77. Apr. 1943. Ref., p. 76-77. 442.9 C14

17436 WHITEHEAD, JACK. Plant hunting in Arizona, Sonora and Baja California. Calif. Hort. Soc. Jour. 5: 12-18. Jan. 1944. 81 G1293

17437 WOOD, C. E., JR. Notes on the flora of Roanoke County, Virginia. (To be cont.) Rhodora 46: 69-86. Mar. 1944. 450 R34

#### Spermatophytes

17438 AGARD, HARRIET. The curious conifers. Calif. Hort. Soc. Jour. 5: 25-28. Jan. 1944. 81 G1293

17439 BELVAL, H. Sur les fructosanes du genre Allium. Soc. de Chim. Biol. Bul. 25: 64-67. Jan./Mar. 1943. 383 Sol

Chemical study to determine classification of species.

17440 \*BOR, N. L., and RAIZADA, M. B. Some beautiful Indian climbers and shrubs. XV. Bombay Nat. Hist. Soc. Jour. 44: 159-163. Dec. 1943. 513 B63

17441 BROWN, J. R. Notes on Haworthias. [Haworthia cymbiformis]. Cactus and Succulent Jour. 16: 15-16. Feb. 1944. 451 C11

17442 BUTTERS, F. K. The American variety of Saxifraga aizoon. Rhodora 46: 61-69. Mar. 1944. 450 R34

17443 CAMP, W. H. Another new name in Vaccinium [V. lamareckii]. Torrey Bot. Club Bul. 71: 179-180. Mar. 1944. 451 T63B

17444 CROIZAT, LEON. A study of the genus Lophophora Coulter III. (c) The typification of Lophophora williamsii Coult. and L. williamsii lewinii Coulter. Desert Plant Life 16: 7-9. Jan. 1944. 450 D45

17445 DWYER, J. D. A discussion of the ochraceous genus Fleurydora A. Chev. and the allied genera of the Luxemburgieae. Torrey Bot. Club Bul. 71: 175-178. Mar. 1944. 451 T63B

17446 FERNALD, M. L. A further item on Liliun michiganense. Rhodora 46: 86-87. Mar. 1944. 450 R34

17447 FERNALD, M. L. Spargula pentandra in America. Rhodora 46: 88. Mar. 1944. 450 R34

17448 \*GARCIA, J. G. Contribuição para o estudo cário-sistemático do género Lavandula L. Soc. Broteriana Bol. (Ser. 2) 16: 183-193. 1942. 451 C66

17449 \*GARCIA, J. G. Um género de Gramíneas novo para a flora de Portugal [Ventenata avenacea]. Soc. Broteriana Bol. (Ser. 2) 16: 195-202. 1942. 451 C66

French summary.

17450 \*\*MOLDENKE, H. N. Nomenclatural notes. II. Boissiera 7: 3-6. 1943.

Abs. in Herbage Abs. 13: 367. Dec. 1943. 241 Im733

17451 MUNZ, P. A. Studies in Onagraceae. XIII. The American species of Ludwigia. Torrey Bot. Club Bul. 71: 152-165. Mar. 1944. 451 T63B

17452 OCCHIONI, PAULO. Cola acuminata Schott. et Engl. e sua frutificação no Jardim Botânico do Rio de Janeiro. Rev. da Flora Med. 10: 485-490. Oct. 1943. 71.8 R32

17453 \*PALEINHA, R. T. Algumas considerações sobre a distribuição geográfica e a ecologia do Arceuthobium oxycedri (D. C.) Marsh.-Bieb. Soc. Broteriana Bol. (Ser. 2) 16: 137-143. 1942. 451 C66

17454 PEASE, A. S. Cirsium flodmani in New England. Rhodora 46: 87-88. Mar. 1944. 450 R34

17455 \*\*PELLEGRIN, F. Un genre nouveau [Julbernardia] de caesalpiniées du Gabon. Boissiera 7: 296-300. 1943.

Abs. in Herbage Abs. 13: 368. Dec. 1943. 241 Im733

17456 \*POELLNITZ, KARL VON. Neue Antericum-arten aus Afrika. Soc. Broteriana Bol. (Ser. 2) 16: 43-81. 1942. 451 C66  
39 new species.

17457 \*RENNER, OTTO. Europäische wildarten von Oenothera. Deut. Bot. Gesell. Ber. 60: 448-466. Dec. 30, 1942. 451 D48

17458 ROUSSEAU, JACQUES. Deux nouveaux Astragalus du Québec. Nat. Canad. 71: 5-14. Jan./Feb. 1944. 410 N216

17459 \*\*SANTOS, P. E. C. Subsídios para a análise botânica dos fenos de Gerez. Rev. Agron. [Lisboa] 30: 441. 1942.

Abs. in Herbage Abs. 13: 324. Dec. 1943. 241 Im733

17460 SANTOS BILONI, JOSÉ. Lianas características del bosque ribereño bonaerense. Rev. Geog. Amer. 20: 312-320. Dec. 1943. 475 R322

17461 \*SAYEEDUD-DIN, M. Some common Indian herbs with notes on their anatomical characters. XI. Heliotropium zeylanicum Lamk. Bombay Nat. Hist. Soc. Jour. 44: 244-246. Dec. 1943. 513 B63

17462 SUMMERHAYES, V. S. African orchids. XIV. Harvard Univ. Bot. Mus. Leaflets 11: 201-216. Mar. 3, 1944. 451 H262



17463 SWINGLE, W. T. The botany of the citrus fruits and their wild relatives as a guide to their use in breeding. Fla. State Hort. Soc. Proc. (1943) 56: 156-164. 81 P66

17464 \*THOMSON, P. W. Die flatterulme [Ulmus laevis] und die bergulme [U. scabra] in der waldgeschichte des Ostbaltikums. Deut. Bot. Gesell. Ber. 60: 203-205. Apr. 23, 1942. 451 D48

17465 VARGAS C., CESAR. Plantas económicas del Peru [Podocarpus]. Agronomía [Peru] 8(34): 33-36. Dec. 1943. 9.8 Ag83

17466 \*WERTH, EMIL. Ueber einige umstrittene oder weniger bekannte bestäubungseinrichtungen tropischer blumen. Deut. Bot. Gesell. Ber. 60: 473-494. Jan. 28, 1943. 451 D48

17467 WYNN, F. E. Drosera in eastern North America. Torrey Bot. Club Bul. 71: 166-174. Mar. 1944. 451 T63B

#### Pteridophytes

17468 WAKEFIELD, N. A. Two new species of Tmesipteris. Victorian Nat. 60: 142-144. Jan. 1944. 410 V66

T. parva, T. ovata.

#### Bryophytes

17469 \*BARROS, G. R. DE. Notas briológicas. II. Agron. Lusitana 4: 155-166. 1942. 105.7 Ag8

English summary.

Musci only.

#### Algae

17470 \*HUSTEDT, FRIEDRICH. Aërophile diatomeen in der nordwestdeutschen flora. Deut. Bot. Gesell. Ber. 60: 55-73. Feb. 26, 1942. 451 D48

17471 KOLBE, R. W., and GÜLZ, E. Elektronenmikroskopische diatomeenstudien. I. Deut. Bot. Gesell. Ber. 61: 91-98. July 26, 1943. 451 D48

17472 \*KOLBE, R. W., and KRIEGER, W. Süßwasser-algen aus Mesopotamien und Kurdistan. I. Diatomeen. Deut. Bot. Gesell. Ber. 60: 336-355. Oct. 19, 1942. 451 D48

17473 \*KOLKOWITZ, R. Die farbe der seen und meere II. Deut. Bot. Gesell. Ber. 60: 88-90. Feb. 26, 1942. 451 D48

Growth of plankton.

17474 KRASSKE, GEORG. Zur diatomeenflora Lapplands. Deut. Bot. Gesell. Ber. 61: 81-88. July 26, 1943. 451 D48

17475 PATRICK, RUTH. The diatoms of Linsley Pond, Connecticut. Acad. Nat. Soc. Phila. Proc. 95: 53-110. 1943. 500 P53

17476 TAFT, C. E. A new asymmetric Cosmarium [C. zygomorphicum]. Ohio Jour. Sci. 44: 25. Jan. 1944. 410 Oh3

17477 TIFFANY, L. H., and BRITTON, M. E. Freshwater Chlorophyceae and Xanthophyceae from Puerto Rico. Ohio Jour. Sci. 44: 39-50. Jan. 1944. 410 Oh3

#### Fungi (Including Lichens)

17478 \*BUCHET, ED. Les champignons comestibles de nos forêts. Jour. Forest. Suisse 95: 8-11, 33-38. Jan., Feb. 1944. 99.8 J82

17479 CARVAJAL, FERNANDO, and EDGERTON, C. W. The perfect stage of Colletotrichum falcatum. Phytopathology 34: 206-213. Feb. 1944. 464.8 P56

17480 \*FISCHER, HANS. Untersuchungen über Masseria macrospora (Desm.) Sacc., ihre nebenfruchtform Coryneum macrosporum Berk. und Asterosporium hoffmanni Kze. Phytopath. Ztschr. 14: 512-517. 1943. 464.8 P562

17481 \*FRIEDRICH, K. Pilzökologische untersuchungen in den Ötztaler Alpen. Deut. Bot. Gesell. Ber. 60: 218-231. May 28, 1942. 451 D48

17482 \*GASSNER, GUSTAV. Ueber Puccinia anatolica n. spec. auf Vinca herbacea W. et K. Phytopath. Ztschr. 14: 455-474. 1943. 464.8 P562

17483 \*KISPAČIĆ, JOSIP. Einleitende versuche über rassenbildung bei Uromyces fabae (Pers.) de By. Phytopath. Ztschr. 14: 475-483. 1943. 464.8 P562

17484 \*LOPES, J. P. Contribuição para o estudo dos basidiomicetas portuguesas. II. Soc. Broteriana Bol. (Ser. 2) 16: 215-225. 1942. 451 C66

17485 \*REZENDE-PINTO, M. C. DE. Hymeniales de Portugal. Brotéria 12: 180-190. Nov. 1, 1943. 410 B79C

17486 \*REZENDE-PINTO, M. C. DE. VI Contribuição para a flora criptogâmica do norte de Portugal. Brotéria 12: 172-179. Nov. 1, 1943. 410 B79C

17487 SMITH, R. W. Penicillium notatum, found in compost heap. Organic Gard. 4(3): 22-23. Feb. 1944. 56.8 Or3

17488 \*TAVARES, C. DAS N. Alguns líquenes interessantes da região de Sintra. Soc. Broteriana Bol. (Ser. 2) 16: 203-214. 1942. 451 C66

17489 ULLSTRUP, A. J. Further studies on a species of Helminthosporium parasitizing corn. Phytopathology 34: 214-222. Feb. 1944. 464.8 P56

H. carbonum n. sp.

17490 VIEGAS, A. P., and TEIXEIRA, A. R. Alguns fungos do Brasil (Phycomycetos). Bragantia 3: 223-245. Aug. 1943. 102.5 B73Tb

New species: Pseudolpidiopsis achylae, Physoderma hydrocotylidis, and Syncephalis ubatubensis.

17491 VIEGAS, A. P. Alguns fungos do cerrado. Bragantia 3: 49-72. Apr. 1943. 102.5 B73Tb

New species: Nectria erythroxylifoliae, Puccinia erythroxyl, Diplochorella indaiá, Septoidium didymopanax.

17492 VIEGAS, A. P. Notas sobre três fungos brasileiros. Pleophragmia manihoticola n. sp., Catacauma myrciae, Piedraia hortai. Bragantia 3: 31-48. Mar. 1943. 102.5 B73Th

Piedraiaceae, n. fam.

17493 VIEGAS, A. P. Stalagmites tumefaciens (Sydow) Theissen e Sydow, um interessante fungo campineiro. Bragantia 3: 133-135. June 1943. 102.5 B73Tb

17494 VIEGAS, A. P. Toledrella nov. gën. da familia Phyllachoraceae. Bragantia 3: 123-129. June 1943. 102.5 B73Tb

#### PLANT PATHOLOGY

##### General

17495 \*APPEL, G. O. Pflanzenschutz in der landwirtschaft. Forschungsdienst, Sonderheft 16, p. 306-321. Berlin, 1942. Ref., p. 318-321. 18 F772

17496 BACCHI, OSVALDO. Identificação colorimétrica em Citrus. Bragantia 3: 179-187. July 1943. 102.5 B73Tb

Colorimetric tests used to identify stocks in order to test susceptibility to tristeza disease.

17497 BARRUS, M. F. Treat seed grain. [N. Y.] Schenectady Co. Farm Bur. News 31(2): 6. Feb. 1944. 275.293 N. Y., Schenectady Co.

17498 BEAR, F. E. Grease-banding and bark splitting [of apple trees]. Gard. Chron. 113: 77. Feb. 20, 1943. 80 G162

17499 \*BENNLLOCH, MIGUEL. Desinfección de semillas. Métodos recomendables. Surco [Madrid] 2 (20): 4-6. Oct. 1943. 15 Su7

17500 BITANCOURT, A. A. Uma hipótese sobre a causa da "tristeza" dos citruses. Biológico 9: 360-361. Oct. 1943. 442.8 B529



17501 BRICHET, J. Comment suppléer au manque actuel de produits insecticides et anticryptogamiques. La "bouillie sulfocalcique" concentrée, à la portée de tous les cultivateurs. Fruits et Primeurs de l'Afrique du Nord 13: 34-35. Feb. 1943. 80 F9482

17502 BRICHET, J. Production d'agrumes 1942-1943 réduite par une météorologie défavorable et une culture déficiente ou intempestive. Le die-back, sa genèse, ses manifestations, ses conséquences. Fruits et Primeurs de l'Afrique du Nord 13: 10-11. Jan. 1943. 80 F9482

17503 BRICHET, J. Quelques considérations sur la pratique des pulvérisations liquides insecticides ou anticryptogamiques. Fruits et Primeurs de l'Afrique du Nord 13: 27-30. Feb. 1943. 80 F9482

17504 BRIEGER, F. G., and FORSTER, REINALDO. Tumores em certos híbridos do gênero nicotiana. Bragantia 2: 259-274. July 1942. 102.5 B73b English summary.

17505 BRIERLEY, PHILIP, SMITH, F. F., and MCWHORTER, F. P. Diseases of Easter lilies important in domestic production. Florists' Rev. 93 (2411): 21-23, 94. Feb. 10, 1944. 80 W41

Also in South. Florist and Nurseryman 56(21): 3-4, 12-15. Feb. 18, 1944. 80 So86

17506 CARNEVALE, J. A. El cuidado de los frutales. X. Dos remedios eficaces y su preparación. Pampa Argentina 18(197): 10. Jan. 1944. 9 P19 Sprays.

17507 CARROLL, P. T. Some factors influencing lodging in cereals. Eire. Dept. Agr. Jour. 40: 280-285. Sept. 1943. 10 Ir2J

17508 CROXALL, H. E. Root and stem diseases of cereals. Worcestershire Agr. Chron. 11(4): 335, 339, 341. Nov. 1943. 10 W892

17509 CURTIS, L. C. The influence of guttation fluid on pesticides. Phytopathology 34: 196-205. Feb. 1944. 464.8 P56

17510 DIACHUN, STEPHEN, VALLEAU, W. D., and JOHNSON, E. M. Invasion of water-soaked tobacco leaves by bacteria, solutions, and tobacco-mosaic virus. Phytopathology 34: 250-253. Feb. 1944. 464.8 P56

17511 DIPPENHAAR, B. J. Plant diseases as production problem. Union So. Africa Dept. Agr. and Forestry. Publicity Ser. 190, 2 p. Pretoria, 1943. 24 So82P

17512 \*ESMARCH, F. Fortschritte auf dem gebiete des pflanzenschutzes im gemüsebau. Forschungsdienst, Sonderheft 16, p. 464-468. Berlin, 1942. 18 F772

17513 FAWCETT, H. S., and COCHRAN, L. C. A method of inducing bark-shelling for treatment of certain tree diseases. Phytopathology 34: 240-244. Feb. 1944. 464.8 P56

Use of DNOCHP.

17514 FERNANDES, C. S. O enegrecimento das fibras do carotó e as suas causas. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10: 94-103. Mar. 1943. 9.2 P423

Describes the microorganisms attacking the fiber.

17515 FORSBERG, J. L. Roguing important for seed growers to prevent spread of potato diseases. Colo. Potato Grower 21(9): 3. Mar. 1944. 75.8 C71

17516 FORSBERG, J. L., and BINKLEY, A. M. Tests indicate treatment of pea seed is effective in control of root-rot diseases. Colo. Farm Bul. 6(2): 5-7. Mar./Apr. 1944. 100 C715

17517 GEORGE, E. J. Chinese elm injury in 1942. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 27-32. Jan. 1944. 100 N813B

17518 \*GÖPP, K. Sorgfalt beim drusch der braugerstei. Landesbauernschaft Bayern. Wehnl. 133: 52Q Sept. 25, 1943. 18 B34W

17519 \*HADORN, C. Hitze-laubdürre an birnbäume. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 491-492. Aug. 28, 1943. 80 Sch9

17520 HAINSELER, C. M. Standardization of plant disease surveys. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 38-41, processed. Jan. 15, 1944. 1.9 P69P

17521 \*HAHN. Bekämpfung der braunfleckenkrankheit - zwei praktiker, zwei meinungen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 221. Sept. 17, 1943. 80 G196

Tomato disease.

17522 HAWTHORN, L. R. Simulated hail injury on yellow Bermuda onions. Amer. Soc. Hort. Sci. Proc. 43: 265-271. Nov. 1943. 81 Sol2

17523 HENDERSON, W. J. Controlling potato diseases. Spud Notes 1(11/12): 1-5. Nov./Dec. 1943. 75.8 Sp9

17524 HEPTING, G. H. Preventing decay in wood aircraft. Aero Digest 44: 126, 128, 142, 213. Feb. 15, 1944. 333.8 Ae82

17525 HEUBERGER, J. W., and MANN, T. F. Does it pay to spray late red potatoes in Delaware? Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 108-110. 81 P37

17526 \*HILLER. Sind trocken- und frost-schaden zu beheben? Landesbauernschaft Niederschles. Wehnl. 10: 311. May 29, 1943. 18 S13

17527 \*HULTSCH, M. Spritzen der obstbäume bringt gesunde ernten! Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 257. May 1943. 18 Sa9

17528 \*HUMMEL, A. Wann meldet man hagelschaden? Landesbauernschaft Württemb. Wehnl. 110: 859. June 10, 1943. 18 W96

17529 JEHLE, R. A. Disease control problems in the late potato crop. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 111-113. 81 P37

17530 \*KLAGES, AUGUST. Bekämpfung von getreidekrankheiten durch chemische mittel. Chemie 56: 285-287. 1943. 384 Z33

17531 \*KLETT. Nachblütenspritzung in obstbau. Landesbauernschaft Württemb. Wehnl. 110: 309. May 15, 1943. 18 W96

17532 KLOTZ, L. J. Brown rot and gummosis infections causing serious losses of lemons, navel and Valencia oranges. Calif. Citrog. 29: 116. Mar. 1944. 80 C125

Also in Citrus Leaves 24(2): 6-7. Feb. 1944. 80 C492

17533 KOCH, L. W. Control of vegetable diseases in Ontario seedbeds and cold-frames. Canad. Hort. & Home Mag. Growers' Ed. 67: 51-53. Mar. 1944. 80 C16

17534 KRAUS, J. E., and WOODBURY, G. W. Prevention of potato seed piece decay in southern Idaho. Amer. Soc. Hort. Sci. Proc. 43: 262-264. Nov. 1943. 81 Sol2

17535 LARGE, J. R. Alcoholic flux or white slime flux of tung trees. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 35-36, processed. Jan. 1, 1944. 1.9 P69P

17536 MILES, G. F. Tetramethyl thiuramdisulfide has been found to be a new disinfectant and protectant. Seed World 55(4): 12-13. Feb. 18, 1944. 61.8 Se52

17537 MILLER, F. W. Nut diseases in Pacific Northwest in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Disease Rptr. 28: 31-32, processed. Jan. 1, 1944. 1.9 P69P

17538 \*MÜLLER, K. R. Beachtet mohnschädigungen durch pflanzenfeinde. Landesbauernschaft Sachsen-Anhalt Wehnl. 101: 209. Apr. 3, 1943. 18 Sa9

17539 MUNCIE, J. H. Disease control on potatoes and sugar beets. Mich. Muck Farmers Assoc. Proc. (1943) 25: 17-18. 4 M5813



- 17540 NIELSEN, L. W. Looking to 1944's potatoes [disease problems]. Res. and Farming Prog. Rpt. [N. C. Sta.] 2(1): 1-4. Jan. 1944. 100 N81R
- Southern bacterial wilt, Southern root rot, bacterial soft rot.
- 17541 PETTY, M. A. Soybean diseases on the Eastern Shore of Maryland. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 58-62. 81 P37
- 17542 PRESTON, D. A. Spinach diseases in Oklahoma. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 14-17, processed. Jan. 1, 1944. 1.9 P69P
- 17543 RANGEL, J. F. Toxicologia dos desinfestantes das sementes. Brazil. Esc. Nac. de Agron. Bol. 2: 185-223. 1941 (Issued 1942). 102.5 R473
- 17544 REED, G. M. Phytopathology 1867-1942. Torreya 43: 155-169. Dec. 1943. 450 T63
- 17545 \*RICHTER, H. Untersuchungen über lupinenkrankheiten. Forschungsdienst, Sonderheft 16, p. 327-329. Berlin, 1942. 18 F772
- 17546 ROSEN, H. R. Fungicidal dusting of tomatoes applicable to home gardens in Arkansas, season 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 7-8, processed. Jan. 1, 1944. 1.9 P29P
- 17547 ROSEN, H. R. Results of vegetable seed treatment in Arkansas, season 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 9-10, processed. Jan. 1, 1944. 1.9 P69P
- 17548 SCHUSTER, M. L. The influence of certain diseases and threshing injury on stands of flax and peas in Washington. Amer. Soc. Hort. Sci. Proc. 43: 180-182. Nov. 1943. 81 Sol2
- 17549 \*SEN, P. K. Smoke nuisance in fruit orchards. Indian Farming 4: 291-294. June 1943. 22 In283
- 17550 SHARVILLE, E. G. The spray front in '44. Control of diseases and insect pests. Amer. Fruit Grower 64(3): 11, 19, 23, 28. Mar. 1944. 80 G85
- 17551 SILBERSCHMIDT, K. Sobre a provavel causa da "tristeza" das laranjeiras (Considerações em torno do artigo de H. J. Webber). Biológico 9: 371-378. Nov. 1943. 442.8 B529
- 17552 SMITH, E. G. Avoid damaging red-clover seed. New Zeal. Jour. Agr. 68: 123. Feb. 15, 1944. 23 N48J
- 17553 \*STAPEL, CHR. Giv agt paa musene i mark, have og lo. Beware of mice in field, garden, and grain to be threshed. Ugeskr. for Landmaend 88: 757-758. Oct. 29, 1943. 11 U63
- 17554 \*STORCK, A. Fortschritte im pflanzen-schutz bei blumen und zierpflanzen. Forschungsdienst, Sonderheft 16, p. 540-543. Berlin, 1942. 18 F772
- 17555 SUDDS, R. H., and MARSH, R. S. Some further observations concerning injury to apple tree foliage induced by applications of calcium cyanamid. Amer. Soc. Hort. Sci. Proc. 43: 25-28. Nov. 1943. 81 Sol2
- 17556 SUIT, R. F. Investigations of small fruit [currant, raspberry and] grape diseases. Grape Belt and Chautauqua Farmer 50(18): 9. Mar. 3, 1944. 110 G76
- 17557 THOMPSON, A. R. Protection of trees in grade changes. Amer. Nurseryman 79(6): 9-11, 35-37, 42. Mar. 15, 1944. 80 Am371
- 17558 TISDALE, W. B. Control disease in home vegetable, garden. Fla. Grower 52(3): 16, 19. Mar. 1944. 80 F6622
- 17559 VAUGHAN, E. K. The use of ethyl mercury phosphate for treating tomato seed in New Jersey. Phytopathology 34: 175-184. Feb. 1944. 464.8 P56
- 17560 WILCOX, R. B. Fermate spray for controlled cranberry field rots. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 34-35, processed. Jan. 1, 1944. 1.9 P69P
- 17561 WILSON, J. D. The fixed coppers on vegetables in 1941 with special reference to the influence of supplemental materials. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 61-75. 75.9 Oh3
- 17562 WITHROW, A. P., and BIEBEL, J. P. Nicotine fumigation injury in Biloxi soybean. Phytopathology 34: 256-257. Feb. 1944. 464.8 P56
- 17563 WORLOCK, R. F. Blanqueo de los troncos de los frutales. Chacra 14(159): 46-47. Jan. 1944. 9 C34
- Whitewashing fruit trees to prevent sunburn.
- 17564 YOUNG, V. H. Rotate crops to control peanut leaf spot. Farm and Ranch 63(3): 26. Mar. 1944. 6 F31
- 17565 ZAUMEYER, W. J. Bean diseases in Colorado in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 1-7, processed. Jan. 1, 1944. 1.9 P69P
- 17566 \*ZOBRIST, L. Sonnenbrand an äpfeln. Schweiz. Gart. No. 11, p. 291-293. Nov. 1943. 80 Sch93

#### Diseases Caused by Fungi

- 17567 ALLISON, C. C. Control smut for better oats yield. Ohio Farmer 193(5): 8. Mar. 4, 1944. 6 Oh3
- 17568 \*BADKE-WOLBECK, R. Erfolgreiche bekämpfung der stengelfäule bei tomaten. Blumen u. Pflanzenaubau ver. mit Gartenwelt 47: 209-210. Sept. 3, 1943. 80 G196
- 17569 CREAGER, D. B. Treatment of gladiolus bulbs before they are planted. Florists' Rev. 93 (2414): 23-24, 102. Mar. 2, 1944. 80 W41
- For Fusarium brown rot.
- 17570 CROSS, W. E. Declaración referente al carbón de la caña de azúcar. Chacra 14(159): 54-55. Jan. 1944. 9 C34
- 17571 DRAYTON, F. L. Botrytis or core rot of gladiolus corms - a storage disease. Canad. Hort. & Home Mag. Floral Ed. 67: 27-28. Feb. 1944. 80 C16F
- 17572 DRUMMOND GONÇALVES, R. Ferrugem da hortela pimenta. Biológico 9: 383-386. Nov. 1943. 442.8 B529
- Control of Puccinia menthae on peppermint.
- 17573 ESCOBAR, ROMULO (HIJO). El chapete. Agr. Mex. 59(12): 6-7. Dec. 1943. 8 Ag8
- Seed treatment for stinking smut of wheat.
- 17574 FERNANDES, C. S. As manchas negras da jarina. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 65-68. June 1943. 9.2 P423
- 17575 FISCHER, G. J., and NOLL, WILHELM. Marchitamiento de Avena provocado por Corticium rolfsii. Rev. Argentina de Agron. 9: 244-245. Sept. 1942. 9 R327
- 17576 FREZZI, M. J. Podredumbre morena de los frutos cítricos y parásitos que la producen en Corrientes, Argentina. Rev. Argentina de Agron. 9: 216-220. Sept. 1942. 9 R327
- Phytophthora boehmeriae, P. citrophthora, P. megasperma, and P. parasitica were isolated from brown rot of Citrus and are listed as causal organisms.
- 17577 GADD, C. H. Report of the mycologist for 1942. Ceylon Tea Res. Inst. Bul. 24, p. 22-31. 1943. 68.19 C33



- 17578 GALANO, R. M. El tizon del tallo del rosal. Campo y Aradas 7(82): 5. Dec. 1943. 9.9 C152  
Caused by *Coniothyrium fuckelii*.
- 17579 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Club root [*Plasmodiophora brassicae* on crucifers]. Gt. Brit. Min. Agr. and Fisheries Advisory Leaflet 276, 6 p. London, 1944. 10 G79La
- 17580 \*HADORN, CHARLES. Eine rotbrenner-epidemie in den reben der Bündner herrschaft. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 616-626. Dec. 4, 1943. 80 Sch9  
*Pseudopeziza tracheiphila*.
- 17581 HANSEN, H. N., and RAWLINS, T. E. Cercospora fruit and leaf spot of olive. Phytopathology 34: 257-258. Feb. 1944. 464.8 P56
- 17582 \*HEINRICH, PETER. Monilia-blütenwelke und -zweigdürre der sauerkirschen. Ztschr. f. Obst- u. Weinbau 69: 59-60. July 1, 1943. 80 Z3
- 17583 JONES Y GROUT, E., and JONES Y GROUT, M. Gangrena negra del tomate (*Alternaria solani*). Agr. Costarricense 1: 285-286. Nov./Dec. 1943. 8 Ag895
- 17584 \*KAREL, G. Ueber den rost von Vinca herbacea. Phytopath. Ztschr. 14: 450-454. 1943. 464.8 P562  
A form of *Puccinia vincae*.
- 17585 KEITT, G. W., and MOORE, J. D. Apple scab control. Experiments with ground and tree spraying in 1943. Wis. Hort. 35: 139-140. Mar. 1944. 80 W752
- 17586 \*KIŠPATIO, JOSIP. Ueber ungleiche beizempfindlichkeit der sporen verschiedener brandpilze. Phytopath. Ztschr. 14: 522-523. 1943. 464.8 P562
- 17587 \*LEIBUNDGUT, H., and FRICK, LOUISE. Eine buchenkrankheit im schweizerischen mittelland. Schweiz. Ztschr. f. Forstw. 94: 297-306. Oct. 1943. 99.8 Sch9  
Caused by *Nectria coccinea* and weather conditions.
- 17588 LYLE, E. W. Understocks and black spot. Four rose understocks and their effect on the occurrence of black-spot and growth of bushes. Amer. Rose Ann. 1944: 160-162. 81 Am31A
- 17589 MCCLELLAN, W. D. A seedling blight of castor bean. Phytopathology 34: 223-229. Feb. 1944. 464.8 P56  
Caused by *Alternaria compacta*.
- 17590 MCCUBBIN, W. A. Relation of spore dimensions to their rate of fall. Phytopathology 34: 230-234. Feb. 1944. 464.8 P56
- 17591 MARCHIONATTO, J. B. Las enfermedades del clavel y su fiscalización. Campo [Argentina] 28 (326): 38, 69. Dec. 1943. 9 C15
- 17592 MENDEZ C., ROMULO. Moho de la hoja del tomate (*Cladosporium fulvum*, Cooke) Agr. Costarricense 1: 283, 285. Nov./Dec. 1943. 8 Ag895
- 17593 \*PAUCK. Blattfleckenkrankheit der stachelbeeren. Deut. Gart. 58: 47. Apr. 1943. 80 P883  
*Pseudopeziza ribis*.
- 17594 PORTER, R. P., and FARRIS, G. K. Sweet potato sprout treatments for the control of *Fusarium wilt*, ineffective on the Eastern Shore of Virginia. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 85-88. 81 P37
- 17595 PRATT, ROBINSON. Influence of light on the infection of wheat by the powdery mildew, *Erysiphe graminis tritici*. Torrey Bot. Club Bul. 71: 134-143. Mar. 1944. 451 T63B
- 17596 ROSEN, H. R. Search for black-spot resistance in roses. Amer. Rose Ann. 1944: 155-159. 81 Am31A
- 17597 RUEHLER, G. D. A new disease of Persian (Tahiti) lime transmitted through budwood. Fla. State Hort. Soc. Proc. (1943) 56: 126-128. 81 F66  
A bark disease caused by *Diaporthe citri* and *Diplodia natalensis*.
- 17598 \*SCHMIDT, M. Untersuchungen über die biologie von *Venturia inaequalis* im zusammenhang mit der züchtung schorfwiderstandsfähiger apfelsorten. Forschungsdienst, Sonderheft 16, p. 498-506. Berlin, 1942. Ref., p. 505-506. 18 F772
- 17599 SERGEANT, M. W. Sugar beets; a four year survey of sugar beet fields attacked by blackroot. (To be cont.) New Agr. 26(6): 8-9. Mar. 1944. 66.8 Su32
- 17600 SHERBAKOFF, C. D., MILLER, P. R., and SIMPSON, D. M. Use of liquid culture of *Fusarium* for field inoculation of cotton. Phytopathology 34: 254-255. Feb. 1944. 464.8 P56
- 17601 \*STAPFEL, CHR. Bekämpfung af kartoffelskimmel 1 1943. Ugeskr. for Landmaend 88: 471. June 25, 1943. 11 Ug3  
Control of potato mold by sprays other than Bordeaux mixture.
- 17602 \*STRAIB, W. Rostpilzforschung. Forschungsdienst, Sonderheft 16, p. 322-326. Berlin, 1942. Ref., p. 325-326. 18 F772
- 17603 TAYLOR, C. F. A crown rot of young apple trees apparently new to this section. Mountaineer Grower 15(151): 11, 13. Feb. 1944. 80 M86  
Probably caused by *Phytophthora cactorum*.
- 17604 TAYLOR, G. G. Ripe-spot [*Neofabraea mali-corticis*] of Sturmer apples. Progress report of work at research orchard, Appleby, Nelson. Orchardist of New Zeal. 17(2): 3-5. Feb. 1, 1944. 80 Or19
- 17605 \*TERRIER, C. A. Ueber zwei in der Schweiz bisher wenig bekannte schüttepilze der kiefern: *Hypodermella sulcigena* (Rostr.) v. Tub. und *Hypodermella conjuncta* Danker. Phytopath. Ztschr. 14: 442-449. 1943. 464.8 P562
- 17606 \*TRIER, EUGEN. Schädlinge am mais. Schweiz. Gart., No. 10, p. 267-268. Oct. 1943. 80 Sch93  
Mainly smut diseases.
- 17607 TUKEY, H. B., and BRASE, K. D. An attack of fire-blight upon trees of *Pyrus betulaefolia*. Amer. Soc. Hort. Sci. Proc. 43: 129-130. Nov. 1943. 81 So12
- 17608 VIEGAS, A. P. Alguns fungos da mandioca I. *Bragantia* 3: 1-17. Jan. 1943. 102.5 B73Tb  
New species: *Phyllosticta manihobae* and *Exidiopsis manihotica*.
- 17609 VOORHEES, R. K. A comparison of some copper fungicides in controlling citrus melanose. Fla. State Hort. Soc. Proc. (1943) 56: 49-55. 81 F66
- 17610 WEIMER, J. L. Botrytis leaf spot of vetch. Phytopathology 34: 245-249. Feb. 1944. 464.8 P56
- 17611 WILLISTON, R. S. Brown rot and other fungal wastage in harvested peaches. Sci. Agr. 24: 221-233. Jan. 1944. 7 Sci2
- 17612 WILSON, J. D. Further observations on the control of tomato anthracnose. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 56-63. Jan./Feb. 1944. 100 Oh3S  
Caused by *Colletotrichum phomoides*.
- 17613 WILSON, J. D. Ten years of carrot spraying with various copper-containing materials. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 63-73. Jan./Feb. 1944. 100 Oh3S  
Spraying for control of leaf blights caused by *Cercospora apii carotae* and *Macrosporium carotae*.
- 17614 WINSTON, J. R., and MECKSTROTH, G. A. Decay control in Florida lemons. Fla. State Hort. Soc. Proc. (1943) 56: 31-37. 81 F66  
Stem-end rot caused by *Phomopsis citri* and *Diplodia natalensis*.
- 17615 WORMALD, HUGH. Nut drop: a disease of cultivated hazel nuts. Gard. Chron. 115: 60-61. Feb. 5, 1944. 80 G162  
Caused by *Monilia fructigena*.



17616 YARWOOD, C. E. Apricot diseases in the Santa Clara Valley in 1943. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 32-33, processed. Jan. 1, 1944. 1.9 P69P

#### Diseases Caused by Bacteria

- 17617 ALLEN, L. A. Spore-forming bacteria [*Bacterium subtilis*] causing soft rot of potato and retting of flax. Nature [London] 153: 224-225. Feb. 19, 1944. 472 N21
- 17618 HILDEBRAND, E. N. New strain of *Agrobacterium rubi* from Boysenberry. Phytopathology 34: 259-260. Feb. 1944. 464.8 P56
- Study of the migration of the cane-gall organism.
- 17619 JEFFERS, W. F., and WALKER, E. A. Bacterial spot [*Xanthomonas pruni*] of peaches as occurring in Maryland. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 41-43. 81 P37
- 17620 \*PAPE, H. Fäulnis bei Calla - ursache und bekämpfung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 235-236. Oct. 1, 1943. 80 G196
- Caused by *Bacillus aridiae* and *B. carotovorus*.
- 17621 SCOTT, C. N. Walnut blight today. Difficulties of control explained. Diamond Walnut News 26(2): 4-5. Mar. 1944. 94.68 D34
- 17622 SHERF, A. F. Infection experiments with potato ring rot and the effect of soil temperature on the disease. Amer. Potato Jour. 21: 27-29. Feb. 1944. 75.8 P842
- 17623 VALLEAU, W. D., JOHNSON, E. M., and DIACHUN, STEPHEN. Root infection of crop plants and weeds by tobacco leaf-spot bacteria. Phytopathology 34: 163-174. Feb. 1944. 464.8 P56
- 17624 WAKSMAN, S. A., BUGIE, ELIZABETH, and REILLY, H. C. Bacteriostatic and bactericidal properties of antibiotic substances, with special reference to plant-pathogenic bacteria. Torrey Bot. Club Bul. 71: 107-121. Mar. 1944. 451 T63B
- 17625 WEINDLING, RICHARD. A technique for testing resistance of cotton seedlings to the angular leaf spot bacterium. Phytopathology 34: 235-239. Feb. 1944. 464.8 P56
- Phytoplasma malvacearum*.

#### Viruses and Virus Diseases

- 17626 BENATAR, RUBENS. Algumas observações sobre a "hernia" das crucíferas. Brazil. Esc. Nac. de Agron. Bol. 2: 281-301. 1941 (Issued 1942). 102.5 R473
- English summary.
- Plasmodiophora brassicae* on *Brassica acephala*.
- 17627 BRIEGER, F. G., LIMA, A. R., and FORSTER, REINALDO. Comportamento de variedades e progênies de fumo no resistência ao "vira-cabeça." Bragantia 2: 275-294. Aug. 1942. 102.5 B73Tb
- English summary.
- 17628 BRIEGER, F. G., and others. Ensaio de épocas de transplante para fumo. Bragantia 2: 295-310. Aug. 1943. 102.5 B73Tb
- A. Rodrigues Lima, Reinaldo Forster, A. S. Costa, S. Ribeiro dos Santos, joint authors.
- English summary.
- Study of transplanting tobacco in connection with research on spotted wilt disease.
- 17629 BUTENANDT, A., and others. Beitrag zur feinstruktur des tobakmosaikvirus. Hoppe-Seylers Ztschr. f. Physiol. Chem. 274: 276-284. 1942. 384 Z38
- H. Friedrich-Fraese, St. Hartwig, and G. Scheibe, joint authors.
- 17630 COSTA, A. S. Multiplication of viruses in the dodder, *Cuscuta campestris*. Phytopathology 34: 151-162. Feb. 1944. 464.8 P56

17631 ENZIE, W. D. A source of muskmelon mosaic resistance found in the oriental pickling melon, *Cucumis melo* var. *conomon*. Amer. Soc. Hort. Sci. Proc. 43: 195-198. Nov. 1943. 81 Sol2

17632 FORSTER, REINALDO. Restabelecimento ("recovery") em plantas de fumo atacadas pelo vírus de "vira-cabeça." Bragantia 2: 499-514. Dec. 1942. 102.5 B73b

English summary.

17633 \*GEYER. Kampf dem kartoffelabbau. Land- esbauernschaft Württemb. Wchnbl. 110: 368. June 19, 1943. 18 W96

17634 HILDEBRAND, E. M. Virus diseases and the stone fruit industry. Amer. Soc. Hort. Sci. Proc. 43: 124-128. Nov. 1943. 81 Sol2

17635 \*KLAPP, E. Arbeiten zur praktischen bekämpfung des kartoffelabbaus. Forschungsdienst, Sonderheft 16, p. 370-377. Berlin, 1942. 18 F772

17636 \*KOHLER, ERICH. Ueber den nachweis von virus im narbensekret viruskranker pflanzen. Deut. Bot. Gesell. Ber. 60: 384-387. Nov. 26, 1942. 451 D48

Infection probably occurs through the transfer of the secretions by insects, such as flies.

17637 KUNKEL, L. O. Viruses in relation to the growth of plants. Torrey 43: 87-95. Dec. 1943. 450 T63

17638 MASSEY, L. M. Virus diseases of roses. Amer. Rose Ann. 1944: 151-154. 81 Am31A

17639 MELCHERS, GEORG. Die darstellung des nucleoproteids des kartoffel-Y-virus. Deut. Bot. Gesell. Ber. 61: 89-90. July 26, 1943. 451 D48

17640 \*RAMSHORN, K. Ueber die wirkung von  $\beta$ -indolylessigsäure auf den sogenannten kartoffelabbau. Forschungsdienst, Sonderheft 16, p. 378-384. Berlin, 1942. 18 F772

17641 SCHRÄMM, GERHARD, and MÜLLER, HANS. Ueber die bedeutung der aminogruppen für die vermehrungsfähigkeit des tobakmosaikvirus. Hoppe-Seylers Ztschr. f. Physiol. Chem. 274: 267-275. 1942. 384 Z38

17642 \*SESSOUS, G., and PIELEN, L. Versuche zur einschränkung des durch viruskrankheiten hervorgerufenen abbaues der kartoffel durch anbautechnische massnahmen. Jour. f. Landw. 89: 32-48. 1942. 18 J825

17643 \*SODING, HANS, KOHLER, ERICH, and FUNKE, HILDEGARD. Ueber den wuchsstoffgehalt abbaukranker kartoffelknollen. Phytopath. Ztschr. 14: 427-441. 1943. 464.8 P562

17644 \*STELZNER, GERHARD, and SCHWALB, H. Reaktion einer reihe von solanaceen auf infektion mit A-, Y- und X-virus der kartoffel unter brauchbarkeit als testpflanze. Phytopath. Ztschr. 14: 497-511. 1943. 464.8 P562

#### Diseases Caused by Nematodes

17645 BRICHET, J. Anguillules, nematodes, hétérodores. Parasites dangereux dont l'extension menace les cultures fruitières et maraichères. Fruits et Primeurs de l'Afrique du Nord 13: 68-72. Apr. 1943. 80 F9482

17646 CHITWOOD, B. G., CLEMENT, R. L., and GORDON, F. M. Progress report on the status of the golden nematode of potatoes in Nassau County, N. Y. [N. Y.] Nassau Co. Farm and Home Bur. News 30(2): 1, 3. Feb. 1944. 275.293 N. Y. Nassau Co.

*Heterodera rostochiensis*.

17647 DESCHENS, ROBERT, LAMY, LOUIS, and VAUTRIN, EMILE. Essais pratiques de prophylaxie de l'anguillolose des végétaux par l'emploi d'hyphomycètes prédateurs. Paris. Acad. des Sci. Compt. Rend. 216: 539-541. 1943. 505 P21



17648 \*KLEBAHN, HENRICH. Eine wahrscheinlich durch nematoden verursachte bildungsabweichung der *Primula florindae*. Deut. Bot. Gesell. Ber. 60: 74-88. Feb. 26, 1942. 451 D48

17649 LONG, J. C., and WHITEHOUSE, W. E. Variations in root knot nematode infection of various lines of peach progenies at Chico, California. Amer. Soc. Hort. Sci. Proc. 43: 119-123. Nov. 1943. 81 Sol2

17650 SCOTT, L. E. Comparison of young peach trees on Shalil and Carolina "natural" rootstocks in nematode infested soil. Amer. Soc. Hort. Sci. Proc. 43: 115-118. Nov. 1943. 81 Sol2

17651 TAYLOR, A. L. Nematode survey in Florida. U. S. Bur. Plant Indus., Soils and Agr. Engin., Plant Dis. Rptr. 28: 17-21, 44-47, processed. Jan. 1, 15, 1944. 1.9 P69P

## PLANT ECOLOGY

17652 GAIN, S. A. Criteria for the indication of center of origin in plant geographical studies. *Torreya* 43: 132-154. Dec. 1943. Ref., p. 151-154. 450 T63

17653 DAVID, H. M. Studies in the autecology of *Ascyllum nodosum* Le Jol. Jour. Ecol. 31: 178-198. Nov. 1943 (Issued Dec. 31, 1943). 450 J829

17654 \*DENGLE, ALFRED. Zu den natürlichen verbreitungsgrenzen von Kiefer, Fichte und Tanne im nördlichen Sachsen. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 189-205. Sept. 1943. 99.8 F775

17655 GODWIN, H. Coastal peat beds of the British Isles and North Sea. Jour. Ecol. 31: 199-247. Nov. 1943 (Issued Dec. 31, 1943). 450 J829

17656 GREGOR, J. W. The ecotype. Cambridge Phil. Soc. Biol. Rev. 19: 20-30. Jan. 1944. 442.9 C14

17657 \*MARKGRAF, FRIEDRICH. Die südgrenze mitteleuropäischer Vegetation auf der Balkanhalbinsel. Deut. Bot. Gesell. Ber. 60 (Generalversamml.-heft 1): (118)-(127). Mar. 20, 1943. 451 D48

## PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

17658 CARVALLO Y A., ALBERTO. Aberraciones de yema. Agr. Mex. 59(12): 1-2. Dec. 1943. 8 Ag8

17659 CHEADLE, V. I. Specialization of vessels within the xylem of each organ of the monocotyledonae. Amer. Jour. Bot. 31: 81-92. Feb. 1944. 450 Am36

17660 \*CUNHA, A. G. DA. Ainda sobre o origen dos plastos. Soc. Broteriana Bol. (Ser. 2) 16: 161-164. 1942. 451 C66

17661 \*CUNHA, A. G. DA. Sobre o anterozoide dos carófitos. Soc. Broteriana Bol. (Ser. 2) 16: 165-168. 1942. 451 C66

Characeae.  
17662 DODD, J. D. Three-dimensional cell shape in the carpel vesicles of *Citrus grandis*. Amer. Jour. Bot. 31: 120-127. Feb. 1944. 450 Am36

17663 ERLANDSSON, STELLAN. Cytological studies in *Potentilla anserina* and closely allied Scandinavian species. Hereditas 28: 503-504. 1942. 442.8 H42

17664 \*FERNANDES, ABÍLIO. Morfologia e biologia das plantas carnívoras. Soc. Broteriana. An. 8: 6-7. 1942. Ref., p. 46-47. 451 C66A

17665 FOURCROY, MADELEINE. Sur l'origine des gros vaisseaux de la tige jeune de *Bryonia dioica*. Paris. Acad. des Sci. Compt. Rend. 216: 125-127. 1943. 505 P21

17666 GILES, N. H., JR. A pericentric inversion in *Gasteria* resulting in apparent iso-chromosomes at meiosis. Natl. Acad. Sci. Proc. 30: 1-5. Jan. 15, 1944. 500 N21P

17667 \*GRIEBEL, C. Auffallende haarformen in ersatzgewürzgemenen. Ztschr. f. Untersuch. der Lebensmitl. 85: 436-440. May 1943. 384 Z39

Lavender, rosemary, and tarragon.

17668 \*GUSTAFSSON, ÅKE. The plastid development in various types of chlorophyll mutations. Hereditas 28: 483-492. 1942. Ref., p. 492. 442.8 H42

17669 \*HÄKANSSON, A. H. Die Entwicklung des Embryosacks und die Befruchtung bei *Poa alpina*. Hereditas 28: 25-61. 1943. Ref., p. 60-61. 442.8 H42

English summary.

17670 \*HÄKANSSON, ARTUR. An interspecific translocation causing changed segregation ratios in meiosis. Hereditas 29: 140-144. 1943. 442.8 H42

17671 \*HÄKANSSON, ARTUR. Meiosis in a hybrid [*Godetia deflexa* x *bottae*] with one set of large and one set of small chromosomes. Hereditas 29: 461-474. 1943. 442.8 H42

17672 \*HÄKANSSON, ARTUR. Meiosis in a nullisomic and in an asyndetic *Godetia whitneyi*. Hereditas 29: 179-190. 1943. 442.8 H42

17673 \*HÄKANSSON, ARTUR, and LEVAN, ALBERT. Nuclear conditions in *Pisum*. Hereditas 28: 436-440. 1942. 442.8 H42

17674 \*HEILBORN, OTTO. Inversions in *Paris quadrifolia*. Hereditas 29: 496-499. 1943. 442.8 H42

17675 \*HEITZ, EMIL. Lebendbeobachtung der Zellteilung bei *Anthoceros* und *Hymenophyllum*. Deut. Bot. Gesell. Ber. 60: 28-37. Feb. 26, 1942. 451 D48

17676 JENSEN, H. W. Um estudo citológico comparativo de *Thalictrum* e *Ilex*. *Bragantia* 3: 198-222. Aug. 1943. 102.5 B73Tb

English summary.

17677 \*JOHNSSON, HELGE. Cytological studies of triploid progenies of *Populus tremula*. Hereditas 28: 306-312. 1942. 442.8 H42

17678 \*KÖHLER, ERICH, and BODE, OTTO. Untersuchungen über die Variabilität der Stärkeform in der Gattung *Solanum*, sectio *Tuberarium*. I. Züchter 15: 135-143. July/Sept. 1943. 442.8 Z8

17679 \*KUGLER, HANS. "Raphidenpollen" bei Bromeliaceen. Deut. Bot. Gesell. Ber. 60: 388-393. Nov. 26, 1942. 451 D48

17680 \*LAMM, ROBERT. Notes on an octaploid *Solanum punae* plant. Hereditas 29: 193-195. 1943. 442.8 H42

17681 \*LANZ, IRMGARD. Ueber Protoplasma und Vakuolen der *Cladophorazelle*. Deut. Bot. Gesell. Ber. 60: 37-54. Feb. 26, 1942. 451 D48

17682 LEMESLE, ROBERT. Les trachéides à ponctuations aréolées chez le *Sargentodoxa cuneata* Rehd. et Wils. et leur importance dans la phylogénie des *Sargentodoxaceae*. Paris. Acad. des Sci. Compt. Rend. 216: 495-497. 1943. 505 P21

17683 \*LEVAN, ALBERT, and LÖVE, ASKELL. Different chromosome numbers within the collective species *Carex polygama*. Hereditas 28: 495-496. 1942. 442.8 H42

17684 \*LEVAN, ALBERT. The effect of chromosomal variation in sugar beets. Hereditas 28: 345-399. 1942. Ref., p. 397-399. 442.8 H42

17685 \*LEVAN, ALBERT, and OSTERGREN, GUNNAR. The mechanism of c-mitotic action. Observations on the naphthalene series. Hereditas 29: 381-443. 1943. Ref., p. 432-443. 442.8 H42

17686 \*LEVAN, ALBERT. The pigment content of polyploid plants. Hereditas 29: 255-268. 1943. 442.8 H42



- 17687 \*LEVAN, ALBERT, and LEVRING, TORE. Some experiments on c-mitotic reactions within Chlorophyceae and Phaeophyceae. *Hereditas* 28: 400-408. 1942. 442.8 H42
- 17688 \*LÖVE, ASKELL, and LÖVE, DORIS. The significance of differences in the distribution of diploids and polyploids. *Hereditas* 29: 145-163. 1943. Ref., p. 161-162. 442.8 H42
- 17689 \*MCCANN, CHARLES. 'Light-windows' in certain flowers (Asclepiadaceae and Araceae). *Bombay Nat. Hist. Soc. Jour.* 44: 182-184. Dec. 1943. 513 B63
- 17690 \*MARQUANDT, HANS. Die verteilung röntgeninduzierter veränderung auf den chromosomen von *Bellevalia romana*. *Deut. Bot. Gesell. Ber.* 60: 98-124. Mar. 26, 1942. 451 D48
- 17691 \*MUNTZING, ARNE. Aneuploidy and seed shrivelling in tetraploid rye. *Hereditas* 29: 64-75. 1943. 442.8 H42
- 17692 \*MUNTZING, ARNE. Characteristics of two haploid twins in *Dactylis glomerata*. *Hereditas* 29: 134-140. 1943. 442.8 H42
- 17693 \*MUNTZING, ARNE. Fertility improvement by recombination in autotetraploid *Galeopsis pubescens*. *Hereditas* 29: 201-204. 1943. 442.8 H42
- 17694 \*MUNTZING, ARNE, and MUNTZING, G. Spontaneous changes in chromosome number in apomictic *Potentilla collina*. *Hereditas* 29: 451-460. 1943. 442.8 H42
- 17695 MYERS, W. M. The randomness of chromosome distribution at anaphase I in autotriploid *Lolium perenne* L. *Torrey Bot. Club Bul.* 71: 144-151. Mar. 1944. 451 T63B
- 17696 \*NEVES, J. B. Sobre a cariológia de *Ranunculus ficaria* L. *Soc. Broteriana Bol. (Ser. 2)* 16: 169-181. 1942. 451 C66
- 17697 \*NILSSON, FREDERIK. Polyploidy in the genus *Medicago*. *Hereditas* 29: 197-198. 1943. 442.8 H42
- 17698 \*NOACK, K. Über ionenwirkung und chemische zusammensetzung der zellbestandteile. *Forschungsdienst, Sonderheft* 16, p. 290-297. Berlin, 1942. 18 F772
- 17699 \*OSTERGREEN, GUNNAR., and LEVAN, ALBERT. The connection between c-mitotic activity and water solubility in some monocyclic compounds. *Hereditas* 29: 496-498. 1943. 442.8 H42
- Preliminary experiments in the mechanism of chemical disturbances of cell division.
- 17700 \*OSTERGREEN, GUNNAR. Elastic chromosome repulsions. *Hereditas* 29: 444-450. 1943. 442.8 H42
- 17701 \*PALHINHA, R. T. Continuidade e independencia dos vasos lenhosos em plantas de *Hortensia*. *Soc. Broteriana Bol. (Ser. 2)* 16: 145-152. 1942. 451 C66
- Hydrangea hortensia*.
- 17702 \*PEREIRA, A. DE L. Contribuição ao conhecimento cariológico do género *Nigella* L. II. *Soc. Broteriana Bol. (Ser. 2)* 16: 5-40. 1942. Ref., p. 38-40. 451 C66
- 17703 \*PEREIRA, A. DE L. Sobre o citoplasma e a membrana da célula vegetal. *Soc. Broteriana Bol. (Ser. 2)* 16: 153-160. 1942. 451 C66
- 17704 \*PLYMALE, E. L., and WYLIE, R. B. The major veins of mesomorphic leaves. *Amer. Jour. Bot.* 31: 99-106. Feb. 1944. 450 Am36
- 17705 \*POHL, FRANZ. Das taube samenkorner der tanne (*Abies alba* Mill.). *Deut. Bot. Gesell. Ber.* 60: 313-322. Oct. 19, 1942. 451 D48
- 17706 \*PRAKKEN, R. A new trisomic *Matthiola* type. *Hereditas* 28: 297-305. 1942. 442.8 H42
- 17707 \*PRAKKEN, R. Studies of asynapsis in rye. *Hereditas* 29: 475-495. 1943. Ref., p. 494-495. 442.8 H42
- 17708 \*SCHAEFFER, HEINZ. Ein gras [*Lophatherum gracile*, mit speicherwurzeln. *Deut. Bot. Gesell. Ber.* 60: 284-291. June 25, 1942. 451 D48
- 17709 SOUEGES, RENE. Embryogénie des fumariacées. La différenciation des régions fondamentales du corps chez l'*Hypocoum procumbens* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 354-356. 1943. 505 P21
- 17710 SOUEGES, RENE. Embryogénie des fumariacées. L'origine et les premières divisions de la cellule embryonnaire proprement dite chez l'*Hypocoum procumbens* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 310-311. 1943. 505 P21
- 17711 SOUEGES, RENE. Embryogénie des scheuchzériachées. Développement de l'embryon chez le *Triglochin maritimum* L. *Paris. Acad. des Sci. Compt. Rend.* 216: 746-748. 1943. 505 P21
- 17712 STEPHENS, S. G. Phenogenetic evidence for the amphidiploid origin of New World cottons. *Nature [London]*, 153: 53-54. Jan. 8, 1944. 472 N21
- 17713 SWARTLEY, J. C. Adventitious root initiation in *Forsythia suspensa*. *Amer. Soc. Hort. Sci. Proc.* 43: 301-306. Nov. 1943. 81 S012
- 17714 TROLL, WILHELM. Zur morphologie und phylogenie des ophioglossaceenblattes. *Deut. Bot. Gesell. Ber.* 61: 70-74. July 26, 1943. 451 D48
- Eine erwidernng an herrn W. Zimmermann.
- 17715 \*VAARAMA, ANTERO. Beobachtungen über die meiose bei einigen anthropochoren. *Hereditas* 29: 191-193. 1943. 442.8 H42
- Studies of weeds in Finland.
- 17716 \*WETTSTEIN, FRITZ VON. Ueber einiger beobachtungen und experimentelle befunde bei laubmoosen. *Deut. Bot. Gesell. Ber.* 60: 394-414. Nov. 26, 1942. 451 D48
- Morphological studies.
- 17717 ZIEGLE, LOUIS. Variations de l'état cytologique chez une algue aérophile, l'*Apatococcus minor* Br. *Paris. Acad. des Sci. Compt. Rend.* 216: 457-459. 1943. 505 P21
- 17718 \*ZIMMERMANN, W. Die phylogenie des ophioglossaceen-blattes. *Deut. Bot. Gesell. Ber.* 60: 416-433. Dec. 30, 1942. 451 D48

## PLANT GENETICS

- 17719 \*\*ANDERSSON, G. Vergleichende untersuchungen der assimilationsintensität diploider und tetraploider gerste. *Svensk Bot. Tidskr.* 37: 175-199. 1943.
- Abs. in *Herbage Abs.* 13: 350. Dec. 1943. 241 Im733
- 17720 \*BAUCH, ROBERT. Chemogenetische untersuchungen an der hefe. *Deut. Bot. Gesell. Ber.* 60 (Generalversamml.-heft 1): (42)-(63). Mar. 20, 1943. Ref., p. (61)-(63). 451 D48
- 17721 BEIRNAERT, A., and POERCK, R. DE. Sur les principes qui sont à la base de l'amélioration des plantes. *Bul. Agr. du Congo Belge* 34: 155-181. Sept./Dec. 1942. 24 K83
- 17722 \*BERKNER, F. Züchtung und auslese von futterpflanzen. *Forschungsdienst, Sonderheft* 16, p. 425-428. Berlin, 1942. 18 F772
- 17723 ELARINGHEM, LOUIS. Hérité d'akènes pourvus de deux embryons chez une composée cultivée, le tournesol (*Helianthus annuus* L.). *Paris. Acad. des Sci. Compt. Rend.* 216: 549-551. 1943. 505 P21
- 17724 ELARINGHEM, LOUIS. Hérité du sexe chez oeillet de poète (*Dianthus barbatus* L.). *Paris. Acad. des Sci. Compt. Rend.* 216: 704-704. 1943. 505 P21
- 17725 \*FREISLEBEN, R. Untersuchungen an tetraploiden kulturgersten. *Forschungsdienst, Sonderheft* 16, p. 361-364. Berlin, 1942. 18 F772



17728 \*GRANHALL, INGVAR. Genetical and physiological studies in interspecific wheat crosses. *Hereditas* 29: 269-380. 1943. Ref., p. 373-380. 442.8 H42

17727 \*GRIESINGER, RUDOLF. Die bedeutung der ergebnisse der polyploidieforschung für pflanzenzüchtung. *Deut. Bot. Gesell. Ber.* 60 (Generalversammlung.-heft 1): (36)-(41). Mar. 20, 1943. 451 D48

17728 \*GUSTAFSSON, ÅKE. The origin and properties of the European blackberry flora. *Hereditas* 28: 249-277. 1942. Ref., p. 275-277. 442.8 H42

17729 HOUGH, L. F., and WELKER, E. L. Combining genetically different samples for correlation analysis. *Amer. Soc. Hort. Sci. Proc.* 43: 155-159. Nov. 1943. 81 Sol2

17730 \*\*JERMOLJEV, EUGEN. Die brüchigkeit des roggens. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 59-70. 1942.

Abs. in *Biol. Abs.* 18: 3256. Feb. 1944.

442.8 P526

Study of hereditary factors of fragility in rye.

17731 JONES, H. A., and CLARKE, A. E. Inheritance of male sterility in the onion and the production of hybrid seed. *Amer. Soc. Hort. Sci. Proc.* 43: 189-194. Nov. 1943. 81 Sol2

17732 \*KOSTOFF, DONTSCHO. Haploide Triticum vulgare und die variabilität ihrer diploiden nachkommenschaften. *Züchter* 15: 121-125. July/Sept. 1943. 442.8 Z8

17733 \*KUPTSOV, A. I. Ispol'zovanie estestvennogo otbora v selektsii kul'turykh rastenii (The utilization of natural selection in plant breeding). *Zhur. Obshch. Biol. (Jour. Gen. Biol.)* 4: 87-115. 1943. 442.8 Z6

17734 \*\*LEITZKE, B. Über einzelpflanzenuntersuchungen im rahmen der grüserzüchtung. *Ztschr. f. Pflanzenzücht.* 25: 38-60. 1943.

Abs. in *Herbage Abs.* 13: 313-314. Dec. 1943.

241 Im733

17735 \*LEVAN, ALBERT. A gene for the remaining in tetrads of ripe pollen in *Petunia*. *Hereditas* 28: 429-435. 1942. 442.8 H42

17736 LEWIS, D. The incompatibility sieve for producing polyploids. *Jour. Genet.* 45: 261-264. Dec. 1943 (Issued Jan. 10, 1944). 442.8 J823

Heat shocks applied to the pollen mother cells, following by self pollination are effective in producing triploids in fruit trees.

17737 \*LOVE, ASKELL. Cytogenetic studies in *Rumex*. III. Some notes on the Scandinavian species of the genus. *Hereditas* 28: 289-296. 1942.

442.8 H42

17738 \*MONTZING, ARNE. Genetical effects of duplicated fragment chromosomes in rye. *Hereditas* 29: 91-112. 1943. Ref., p. 111-112. 442.8 H42

17739 \*NILSSON-LEISSNER, GUNNAR. On the possibilities of breeding new improved strains of timothy by means of selfing. *Hereditas* 28: 500-502. 1942. 442.8 H42

17740 \*\*NOVER, ILSE. Untersuchungen über den weizenmehltau, *Erysiphe graminis tritici* in rahmen der resistenzzüchtung. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 71-103. 1942.

Abs. in *Biol. Abs.* 18: 3547. Feb. 1942.

442.8 P526

17741 \*PATEL, N. M. Independence in inheritance of the loose smut reaction and lemma colouration in an oat cross. *Inst. Agr. Anand, India, Bot. Ser. Bul.* 1, 27 p. July 1943. Ref., p. 24-27. 451 An1

17742 PLATT, A. W., and LARSON, RUBY. An attempt to transfer solid stem from *Triticum durum* to *T. vulgare* by hybridization. *Sci. Agr.* 24: 214-219. Jan. 1944. 7 Sci2

17743 \*PRAKKEN, R., and MONTZING, ARNE. A meiotic peculiarity in rye, simulating a terminal centromere. *Hereditas* 28: 441-482. 1942. Ref., p. 481-482. 442.8 H42

17744 \*RENNER, O. Ueber die entstehung homozygotischer formen aus komplexheterozygotischen oenotheren. II. Die translokationshomozygoten. *Ztschr. f. Bot.* 39: 39-105. 1943. Ref., p. 102-105. 450 Z32

17745 RIFE, D. C. The genetics of certain common variations in *Coleus*. *Ohio Jour. Sci.* 44: 18-24. Jan. 1944. 410 Oh3

Genetic studies of *Coleus* No. IV.

17746 \*RODRIGUES, ACURCIO. Sôbre o recorte e assimetria da folha da videira. *Agron. Lusitana* 4: 137-153. 1942. 105.7 Ag8

English summary.

17747 \*ROELMER, TH. Resistenzzüchtung. *Forschungsdienst, Sonderheft* 16, p. 351-355. Berlin, 1942. 18 F772

17748 ROLLINS, R. C. Evidence for natural hybridity between *guayule* (*Parthenium argentatum*) and *mariola* (*Parthenium incanum*). *Amer. Jour. Bot.* 31: 93-98. Feb. 1944. 450 Am36

17749 \*RUDOLF, WILHELM. Ueber eine zwergcompactum-mutation bei *Festuca pratensis* L. *Deut. Bot. Gesell. Ber.* 60: 132-147. Mar. 26, 1942. 451 D48

17750 \*SENGBUSCH, R. VON. Methode zur züchterischen bearbeitung von fremdbefruchtern und anderes. *Forschungsdienst, Sonderheft* 16, p. 356-361. Berlin, 1942. 18 F772

17751 SHULL, G. H. Genetics, the unifying science in biology. *Torreyia* 43: 126-131. Dec. 1943. 450 T63

17752 SPIEGELMAN, S., LINDEGREN, C. C., and HEDGECOCK, L. Mechanism of enzymatic adaptation in genetically controlled yeast populations. *Natl. Acad. Sci. Proc.* 30: 13-23. Jan. 15, 1944. 500 N21P

17753 \*STOMPS, T. J. Ueber die künstliche herstellung von *Oenothera lamarckiana* gigas de Vries. *Deut. Bot. Gesell. Ber.* 60: 125-131. Mar. 26, 1942. 451 D48

17754 \*STUBBE, H. Pflanzenzüchtung und mutationsforschung. *Forschungsdienst, Sonderheft* 16, p. 333-338. Berlin, 1942. 18 F772

17755 \*\*TAVČAR, ALOIS. Beitrag zur vererbung der spindelbrüchigkeit bei einigen nachtgersten. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 333-338. 1942.

Abs. in *Biol. Abs.* 18: 2027. Feb. 1944.

442.8 B526

17756 \*WETTSTEIN, W. VON. Saatgut und züchtung. *Forstwiss. Centbl.* 64: 135-143. June 1, 1942. 99.8 F775

Seed selection and breeding for forest trees.

## PLANT PHYSIOLOGY AND BIOCHEMISTRY

### Plant Physiology

17757 ACOSTA V., JORGE. Los cultivos artificiales. *Ecuador. Univ. Cent. Inst. Bot. Bol.* 2(3/4): 173-189. Sept. 1943. 451 Ec9

17758 \*\*ALMEIDA, J. M. DE. O desenvolvimento da espiga nas primeiras idades, como processo de distinção de formas de inverno e formas de primavera na cevada. *Rev. Agron. [Lisboa]* 30: 462. 1942.

Abs. in *Herbage Abs.* 13: 355. Dec. 1943.

241 Im733

17759 \*AMIN, K. C. Application of colchicine to cotton. *Indian Farming* 4: 257-258. May 1943. 22 In283



- 17760 BARTON, L. V. Some seeds showing special dormancy. Boyce Thompson Inst. Contrib. 13: 259-271. Jan./Mar. 1944. 451 B69
- 17761 BATEMAN, A. J. Specific differences in *Petunia*. II. Pollen growth. Jour. Genet. 45: 236-242. Dec. 1943 (Issued Jan. 10, 1944). 442.8 J823
- 17762 BATJER, L. P., and MOON, H. H. Thinning apples and peaches with blossom-removal sprays. Amer. Soc. Hort. Sci. Proc. 43: 43-46. Nov. 1943. 81 Sol2
- 17763 BERTHON, ROGER. Sur l'origine des radicales chez les angiospermes. Paris. Acad. des Sci. Compt. Rend. 216: 308-309. 1943. 505 P21
- 17764 BIDDULPH, ORLIN, and MARKLE, JANE. Translocation of radiophosphorus in the phloem of the cotton plant. Amer. Jour. Bot. 31: 65-70. Feb. 1944. 450 Am33
- 17765 BRADFORD, F. C. The relationship of late blossoming to frost injury in the apple. Amer. Soc. Hort. Sci. Proc. 43: 35-38. Nov. 1943. 81 Sol2
- 17766 \*BREDEMANN, G. Nährstoffaufnahme und Nährstoffbedarf bei der Fasernesseln. Bodenk. u. Pflanzenernähr. 30: 95-137. 1942. Ref., p. 135-137. 384 Z343A  
Urtica dioica.
- 17767 BRICHET, J. La chlorose des arbres fruitiers à feuilles caduques. Fruits et Primeurs de l'Afrique du Nord 13: 12-15. Jan. 1943. 80 F9482
- 17768 \*BROMME, F. Der regionale aufbau des schwedischen waldes. Forstwiss. Centbl. u. Thar-andter Forstl. Jahrb. 1943, No. 5, p. 145-166. Sept. 1943. 99.8 F775
- 17769 BRYANT, M. D. Fruit setting of the Bruce plum. Amer. Soc. Hort. Sci. Proc. 43: 99-102. Nov. 1943. 81 Sol2
- 17770 BUVAT, ROGER. Phénomènes de différenciation dans le bourgeonnement des tissus du tubercule de chicorée à café cultivés in vitro. Paris. Acad. des Sci. Compt. Rend. 216: 574-576. 1943. 505 P21
- 17771 CAMP, A. F. A resume of feeding and spraying citrus trees from a nutritional viewpoint. Fla. State Hort. Soc. Proc. (1943) 56: 60-79. 81 F66  
Assisted by the staff of the Citrus Experiment Station, Lake Alfred, Florida.
- 17772 CASTAN, RENÉ. Suspension de l'inhibition entre bourgeons pendant l'application d'hétéro-auxine à l'extrémité apicale. Paris. Acad. des Sci. Compt. Rend. 216: 576-577. 1943. 505 P21
- 17773 CHABROLIN, CHARLES. Toxicité comparée, pour des plantules de dicotylédones, des composés organiques, suivant la nature de leurs fonctions et la structure de leurs molécules. Paris. Acad. des Sci. Compt. Rend. 216: 79-81. 1943. 505 P21
- 17774 \*\*CHMELÁŘ, F. Einfluss der nicht entgipfelten blütenstände auf das ausreifen grossblättriger in einem feuchten jahr und auf schweren böden angebauten tabaksorten. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 383-394. 1942.  
Abs. in Biol. Abs. 18: 3239. Feb. 1944. 442.8 B526
- 17775 CHOUARD, PIERRE. Une synthèse nouvelle des causes de la floraison et des théories du photopériodisme. Paris. Acad. des Sci. Compt. Rend. 216: 591-593. 1943. 505 P21
- 17776 CHU, S. P. The influence of the mineral composition of the medium on the growth of planktonic algae. Part II. The influence of the concentration of inorganic nitrogen and phosphate phosphorus. Jour. Ecol. 31: 109-148. Nov. 1943 (Issued Dec. 31, 1943). 450 J829
- 17777 CLARK, J. W. The effect of some environmental influences in bulk hybridization of grass. Amer. Soc. Agron. Jour. 36: 132-140. Feb. 1944. 4 Am34P
- 17778 DEFRANCE, J. A. Effect of certain chemicals on the germination of crabgrass seed when plants are treated during the period of seed formation. Amer. Soc. Hort. Sci. Proc. 43: 331-335. Nov. 1943. 91 Sol2
- 17779 DEMOLON, ALBERT, and DUNEZ, ANTOINE. Observations sur le mécanisme de la symbiose bactérienne chez les légumineuses. Paris. Acad. des Sci. Compt. Rend. 216: 312-313. 1943. 505 P31
- 17780 DORSEY, M. J., and HOUGH, L. F. Relation between seedling vigor and tree vigor in apple hybrids. Amer. Soc. Hort. Sci. Proc. 43: 106-114. Nov. 1943. 81 Sol2
- 17781 \*DOSTÁL, RUDOLF. Ueber die nekrobiotose des kartoffeldunkelkeime. Phytopath. Ztschr. 14: 484-496. 1943. 464.8 P562
- 17782 EMERSON, R. L., STAUFFER, J. F., and UMBREIT, W. W. Relationships between phosphorylation and photosynthesis in *Chlorella*. Amer. Jour. Bot. 31: 107-120. Feb. 1944. Ref., p. 118-120. 450 Am36
- 17783 FRANCO, C. M. Estudos sobre a conservação de sementes. Bragantia 3: 137-149. June 1943. 102.5 B73Tb  
English summary.  
Experiments with cotton.
- 17784 FRAZER, H. L. The occurrence of endodermis in leguminous root nodules and its effect upon nodule function. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 328-343. 1942. 501 M4P
- 17785 GADD, C. H. Report of the plant physiologist for 1942. Ceylon Tea Res. Inst. Bul. 24, p. 42-47. 1943. 68.19 C33
- 17786 GAFFRON, HANS. Photosynthesis, photoreduction and dark reduction of carbon dioxide in certain algae. Cambridge Phil. Soc. Biol. Rev. 19: 1-20. Jan. 1944. 442.9 C14
- 17787 GALLAGHER, P. H., and WALSH, THOMAS. The susceptibility of cereal varieties to manganese deficiency. Jour. Agr. Sci. 33: 197-203. Oct. 1943 (Issued Jan. 31, 1944). 10 J822
- 17788 \*GASSNER, GUSTAV. Panaschierung und weissährigkeit von getreidepflanzen und wildgräsern als folge klimatischer einwirkungen. Phytopath. Ztschr. 14: 397-426. 1943. 464.8 P562
- 17789 \*GASSNER, GUSTAV. Die topallik-erkrankung der baumwolle. Phytopath. Ztschr. 14: 518-521. 1943. 464.8 P562  
Disease occurring in Turkey, caused by an increasing amount of salt in soil during the summer months.
- 17790 \*\*GERM, H. Die keimfähigkeit der soja-bohne. Forschungsdienst 15: 68-78. 1943.  
Abs. in Chem. Zentbl. (II) 1943: 1641. Nov. 3, 1943. 384 C42
- 17791 \*GOKSIN, ADIL. Altersermittlung beim saatgut der fichte und kiefer. Forstwiss. Centbl. 64: 111-117. June 1, 1942. 99.8 F775
- 17792 \*\*GUILLERMOND, A. La culture des tissus végétaux. Arch. Sci. Phys. et Nat. Genève 24: 178-190, 247-257. 1942.  
Abs. in Biol. Abs. 18: 1505, 1506. Jan. 1944. 442.8 B526
- 17793 \*HABERLANDT, GOTTLIEB. Ueber eine hypothetische funktion des epithems. Deut. Bot. Gesell. Ber. 60: 445-447. Dec. 30, 1942. 451 D48  
Experiments with *Echeveria*, mainly.
- 17794 HALLER, M. W. The value of some indexes of picking maturity of apples. Mountaineer Grower 15(151): 19-23, 25. Feb. 1944. 80 M86
- 17795 HANSEN, ELMER. Relation of ethylene production to respiration and ripening of premature pears. Amer. Soc. Hort. Sci. Proc. 43: 69-72. Nov. 1943. 81 Sol2



- 17796 \*HARDER, R., and WITSCH, H. VON. Bericht über versuche zur fettsynthese mittels autotropher mikroorganismen. Forschungsdienst, Sonderheft 16, p. 270-275. Berlin, 1942. 18 F772
- 17797 \*HARDER, R., and WITSCH, H. VON. Über blütenbildende und blattformbestimmende stoffe in den pflanzen. Forschungsdienst, Sonderheft 16, p. 263-266. Berlin, 1942. 18 F772
- 17798 \*HARDER, R., and WITSCH, H. VON. Über musterumwandlung bei blüten. Forschungsdienst, Sonderheft 16, p. 267-270. Berlin, 1942. 18 F772
- 17799 \*HARDER, RICHARD, and WITSCH, HANS VON. Ueber massenkultur von diatomeen. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (146)-(152). Mar. 20, 1943. 451 D48
- 17800 HARRIS, G. H. Some effects of micro-elements on growth and storage of carrots and turnips. Amer. Soc. Hort. Sci. Proc. 43: 219-224. Nov. 1943. 81 Sol2
- 17801 \*HEITZ, E. Die keimende Funaria-spore als physiologisches versuchsobjekt. Deut. Bot. Gesell. Ber. 60: 17-27. Feb. 26, 1942. 451 D48
- 17802 \*HODGSON, R. W. Observations on the history and status of the avocado tree decline and collapse problem in California. Calif. Avocado Soc. Yearbook 1943: 27-29. 81 C128
- 17803 \*HOFER, KARL. Ueber die austrocknungs-fähigkeit des protoplasmas. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (94)-(107). Mar. 20, 1943. 451 D48
- 17804 \*HOFER, KARL. Unsere derzeitige kenntnis von den spezifischen permeabilitätsreihen. Deut. Bot. Gesell. Ber. 60: 179-200. Mar. 26, 1942. Ref., p. 198-200. 451 D48
- 17805 HOFFMAN, M. B., and VANGELUWE, J. D. Some results of thinning certain apple varieties at bloom time with a caustic spray. Amer. Soc. Hort. Sci. Proc. 43: 47-50. Nov. 1943. 81 Sol2
- 17806 HOWLETT, F. S. Factors affecting fruit setting in the tomato. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 136, 138, 140, 142, 144, 146-148. 75.9 Oh3
- 17807 HOWLETT, F. S. Sprays for blossom thinning. Rural New-Yorker 103: 118, 125. Mar. 4, 1944. 6 R88
- Experiments with apples at Ohio Agricultural Experiment Station, Wooster.
- 17808 HUREL-PLY, GERMAINE. De l'influence du glucose sur le développement de l'appareil végétatif et reproducteur du gamétophyte d'Asplenium. Paris. Acad. des Sci. Compt. Rend. 216: 77-78. 1943. 505 P21
- 17809 HUREL-PLY, GERMAINE. Sur la culture indéfinie du gamétophyte de Nephrolepis cordifolia. Paris. Acad. des Sci. Compt. Rend. 216: 741-742. 1943. 505 P21
- 17810 JOLEY, L. E. Notes on variation and self sterility in the Mahaleb cherry. Amer. Soc. Hort. Sci. Proc. 43: 103-105. Nov. 1943. 81 Sol2
- 17811 JOLEY, L. E., and BRADFORD, F. C. Variations in blossom hardness within a hardy group of peaches. Amer. Soc. Hort. Sci. Proc. 43: 79-83. Nov. 1943. 81 Sol2
- 17812 \*KEESE, H. Ueber den einfluss verschiedener wasser- und phosphorsäuerversorgung auf die eiweissbildung im hafer. Bodenk. u. Pflanzenernähr. 31: 282-290. 1943. 384 Z343A
- 17813 \*KEMMER, E. Versuche zur klärung der ringelungstechnik. Deut. Obstbau 58: 155-156. Sept. 1943. 80 M73A
- 17814 \*KESSLER, W., and RUHLAND, W. Über die inneren ursachen der kälteresistenz der pflanzen. Forschungsdienst, Sonderheft 16, p. 345-351. Berlin, 1942. 18 F772
- 17815 KIDSON, E. B., ASKEW, H. O., and CHITTENDEN, E. The value of magnesium compounds for the control of magnesium deficiency of apple-trees. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 25: 31-42. June 1943. 514 N48
- 17816 \*KOCHER, V. Untersuchung über den aneuringsgehalt (vitamin B<sub>1</sub>) von honig, pollen und futtersaft mit hilfe des Phycomyces-testes. Schweiz. Bienen Ztg. 66: 21-24. Jan. 1943. 424.8 Sch9
- 17817 \*KOLKOWITZ, RICHARD. Biologie und elektrische sauerstoffbestimmung. Deut. Bot. Gesell. Ber. 60: 306-312. Oct. 19, 1942. 451 D48
- Pflanzliche beispiele, p. 308-309.
- 17818 \*KUGLER, HANS. Hummelblumen. Ein beitrage zum problem der "blumenklassen" auf experimenteller grundlage. Deut. Bot. Gesell. Ber. 60(Generalversamml.-heft 1): (128)-(134): Mar. 20, 1943. 451 D48
- 17819 \*LAKON, GEORG. Topographischer nachweis der keimfähigkeit der getreidefrüchte durch tetrazoliumsalze. Deut. Bot. Gesell. Ber. 60: 299-305. Oct. 19, 1942. 451 D48
- 17820 \*LAKON, GEORG. Topographischer nachweis der keimfähigkeit von mais durch tetrazoliumsalze. Deut. Bot. Gesell. Ber. 60: 434-444. Dec. 30, 1942. 451 D48
- 17821 LANGHAM, D. G. Un método nuevo para efectuar polinización controlada en el ajonjolí (Sesamum indicum Loew) y una estimación de la hibridación natural. Agr. Venezolano 8(89/90): 18-19. Sept./ Oct. 1943. 9.95 Ag8
- 17822 LARMOUR, R. K., SALLANS, H. R., and CRAIG, B. M. Hygroscopic equilibrium of sunflowerseed, flaxseed, and soybeans. Canad. Jour. Res. Sect. F, Technol. 22: 1-8. Jan. 1944. 470 C16F
- 17823 LARMOUR, R. K., SALLANS, H. R., and CRAIG, B. M. Respiration of whole and dehulled sunflowerseed and of flaxseed. Canad. Jour. Res. Sect. F, Technol. 22: 9-18. Jan. 1944. 470 C16F
- 17824 \*LARGEN, POUL. Die bedeutung der winterkälte für die kernbildung der buche. Schweiz. Ztschr. f. Forstw. 94: 265-273. Sept. 1943. 99.8 Sch9
- 17825 LASTRA Y VILLAR, ALFONSO. Prevent rose diseases by proper feeding. Amer. Rose Ann. 1944: 138-140. 81 Am31A
- 17826 LATIMER, L. P., and PERCIVAL, G. P. How much borax can an apple tree tolerate? Amer. Soc. Hort. Sci. Proc. 43: 21-24. Nov. 1943. 81 Sol2
- 17827 LAZARO, R. Efectos de colchicina en Helianthus annuus. Uruguay. Univ. Facult. de Agron. Rev. No. 32, p. 163-168. May 1943. 102.5 M76R
- 17828 LEMESLE, ROBERT. De l'existence d'un complexe tanin-résine dans l'écorce, le liège et le cylindre central du Sargentodoxa cuneata Rehd. et Wils. Paris. Acad. des Sci. Compt. Rend. 216: 611-612. 1943. 505 P21
- 17829 \*LEVAN, ALBERT, and SANDWALL, C. G. Quantitative investigations on the reaction of yeast to certain biologically active substances. Hereditas 29: 164-178. 1943. 442.8 H42
- 17830 LI, LAI-YUNG. The influence of stratification of tung-seeds upon emergence and establishment of seedlings in the nursery. New Zeal. Jour. Sci. and Technol. A. Agr. Sect. 25: 43-48. June 1943. 514 N48
- 17831 \*LOVE, ASKEW. Physiological differences within a natural polyploid series. Hereditas 28: 504-506. 1942. 442.8 H42
- Experiments with Rumex subg. Acetosella.
- 17832 \*LOVE, DORIS. Intersexuality in Melantherium rubrum probably caused by a translocation between the sex chromosomes. Hereditas 28: 497-498. 1942. 442.8 H42



- 17833 LOTT, R. V. Some spectral curves of maturing apples. *Amer. Soc. Hort. Sci. Proc.* 43: 59-62. Nov. 1943. 81 Sol2
- 17834 LYNCH, S. J., MUSTARD, M. J., and SLATER, GRANT. The effect of potash upon the yield of papaya fruit and upon some of its chemical constituents. *Fla. State Hort. Soc. Proc.* (1943) 56: 117-122. 81 F66
- 17835 MCLACHLAN, R. G. Starch index and sugar index. *Australasian Beekeeper* 45: 136-137. Jan. 1944. 424.8 Au72
- Starch and sugar index of plants in relation to nectar secretion.
- 17836 MCNEW, G. L. The value of different seed treatments for lima beans. *Canner* 98(17): 16, 18, 24, 26. Mar. 25, 1944. 286.83 C16
- 17837 MAGNESS, J. R., BATJER, L. P., and BAYNES, W. C. Attempts to influence flower bud initiation in apples by chemical growth substances. *Amer. Soc. Hort. Sci. Proc.* 43: 53-55. Nov. 1943. 81 Sol2
- 17838 MAGROU, JOSEPH, BOUGET, JOSEPH, and SÉGRETAINE, GABRIEL. Semis symbiotiques de pomme de terre dans les Pyrénées. *Paris. Acad. des Sci. Compt. Rend.* 216: 501-503. 1943. 505 P21
- Mycorrhiza and seedling potatoes.
- 17839 \*MAIER, WILLI. Eine neue, durch bormangel hervorgerufene krankheit der aepfel. *Landesbauernschaft Württemb. Wchnbl.* 110: 562. Oct. 9, 1943. 18 W96
- 17840 MALCHER, J., and ZIKA, M. Versuche mit pflanzenhormonen in bezug auf die brennerei- und stärkeindustrie. *Ztschr. f. Spiritusindus.* 66(9/10): 2-4; (11/12): 2-4. Mar. 11, 25, 1943. 390.8 233
- 17841 MANNS, T. F. The value of pre-harvest spray to prevent apple drop. *Peninsula Hort. Soc. Del., Trans.* (1943) 57: 11-12. 81 P37
- 17842 MEADER, E. M., and BLAKE, M. A. Seasonal trend of fruit-bud hardiness in peaches. *Amer. Soc. Hort. Sci. Proc.* 43: 91-98. Nov. 1943. 81 Sol2
- 17843 MEDINA, J. C. A necrose da base da fôlha do sisal. *Bragantia* 3: 73-84. Apr. 1943. 102.5 B73Tb
- English summary.
- 17844 MENEZES SOBRINHO, A. A fertilização "integral" dos solos e os distúrbios metabólicos. *Ouro Branco* 9(6): 12-14. Oct. 1943. 72.8 Ou7
- Also in São Paulo. Supt. dos Serv. do Café Bol. 18: 815-818. Oct. 1943. 68.29 Sa63
- 17845 \*MEVIUS, W. Beiträge zum stickstoff- u. mineralstoffhaushalt höherer pflanzen. *Forschungsdienst, Sonderheft* 16, p. 245-253. Berlin, 1942. 18 F772
- 17846 \*MEYER, RUDOLF. Weiter untersuchungen über den abbau der cellulose durch *Bacillus cellulosae-dissolvens* Khouvine. *Archiv f. Mikrobiol.* 13: 250-277. July 15, 1943. 442.8 Ar26
- 17847 MILLER, E. V., and WINSTON, J. R. Green-spotting in relation to time of day that early oranges are harvested. *Fla. State Hort. Soc. Proc.* (1943) 56: 22-26. 81 F66
- 17848 MILLER, P. A. Stylar end checking of the Hachiya persimmon. *Calif. Avocado Soc. Yearbook* 1943: 53-55. 81 C128
- 17849 MILLIKAN, C. R. "Withertop" (calcium deficiency) disease in flax. *Victoria Dept. Agr. Jour.* 42: 79-91. Feb. 1944. 23 V66J
- 17850 MIROV, N. T. Experiments in rooting pines in California. *Jour. Forestry* 42: 199-204. Mar. 1944. 99.8 F768
- 17851 \*MOISSEJEWA, MARIA. Der einfluss von licht und luftzufuhr auf das zusammenwachsen des pflanzens und der unterlage bei transplantation von cucurbitaceen. *Deut. Bot. Gesell. Ber.* 60: 323-335. Oct. 19, 1942. 451 D48
- 17852 MOLLIARD, MARIN, and ECHEVIN, ROBERT. Sur la germination des graines à l'obscurité. *Paris. Acad. des Sci. Compt. Rend.* 216: 165-166. 1943. 505 P21
- 17853 \*\*MONTEMARTINI, LUIGI. Photoperiodismus und produktion von saatkartoffeln. *R. Ist. Lombardo Sci. Let. Rend. Cl. Sci. Mat. Nat.* 75: 119-125. 1941/42.
- Abs. in *Chem. Zentbl.* (II) 1943: 1641. Nov. 3, 1943. 384 C42
- 17854 \*NEHRING, KURT. Der einfluss von nährstoff- und wasserversorgung auf die eiweissbildung bei getreide. VI. Der einfluss von phosphorsäure- und wasserversorgung auf die eiweissbildung bei hafer. *Bodenk. u. Pflanzenernähr.* 31: 298-311. 1943. 384 Z343A
- 17855 NETIEN, GEORGES. Influence du climat alpin sur le chimisme des feuilles de *Dryas octopetala* L. au cours d'un cycle de végétation. *Paris. Acad. des Sci. Compt. Rend.* 216: 75-77. 1943. 505 P21
- 17856 PALMER, R. C. The influence of amount of crop and harvesting maturity on bitter pit in Okanagan-grown Newtown apples. *Amer. Soc. Hort. Sci. Proc.* 43: 63-68. Nov. 1943. 81 Sol2
- 17857 PEPKOWITZ, L. P., and SHIVE, J. W. Importance of oxygen in the nutrient substrate for plant-absorption. *Soil Sci.* 57: 143-154. Feb. 1944. 56.8 So3
- 17858 \*PETROVA, J. Ueber den vergleich der alpha-strahlenempfindlichkeit von kern und plasma. *Deut. Bot. Gesell. Ber.* 60: 148-151. Mar. 26, 1942. 451 D48
- Experiments with the alga, *Zygnema*.
- 17859 PINCK, L. A., and ALLISON, F. E. Synthesis of lignin-like complexes by fungi. *Soil Sci.* 57: 155-161. Feb. 1944. 56.8 So3
- 17860 PLOUVIOT, VICTOR. Sur la présence de rutoside dans les fleurs de quelques *Magnolia*. *Paris. Acad. des Sci. Compt. Rend.* 216: 459-461. 1943. 505 P21
- 17861 POST, KENNETH. The effect of an interval of long days in the short day treatment on the flowering of chrysanthemums. *Amer. Soc. Hort. Sci. Proc.* 43: 311-315. Nov. 1943. 81 Sol2
- 17862 POST, KENNETH. Effects of moisture and nitrate concentrations on growth and bud drop of sweet peas. *Amer. Soc. Hort. Sci. Proc.* 43: 278-280. Nov. 1943. 81 Sol2
- 17863 POST, KENNETH. Low temperature and flower bud development of azaleas. *Amer. Soc. Hort. Sci. Proc.* 43: 307-310. Nov. 1943. 81 Sol2
- 17864 PROEBSTING, E. L. Root distribution of some deciduous fruit trees in a California orchard. *Amer. Soc. Hort. Sci. Proc.* 43: 1-4. Nov. 1943. 81 Sol2
- 17865 RANDOLPH, L. F., and COX, L. G. Factors influencing the germination of iris seed and the relation of inhibiting substances to embryo dormancy. *Amer. Soc. Hort. Sci. Proc.* 43: 284-300. Nov. 1943. 81 Sol2
- 17866 RAWITSCHER, FELIX. Observações sobre transpiração de plantas brasileiras. *Ceres [Brazil]* 3: 2-16. Sept./Oct. 1943. 9.2 C332
- 17867 \*RENNER, O. Hydrostatischer druck und gasgehalt. *Deut. Bot. Gesell. Ber.* 60: 292-294. June 25, 1942. 451 D48
- Experiments with lichens.
- 17868 \*RETTOVSKY, R. Verkürzung der ruheperiode der samen von *Aesculus hippocastanum* L. durch uranyl-nitrat. *Deut. Bot. Gesell. Ber.* 60: 355-366. Oct. 19, 1942. 451 D48
- 17869 RILEY, H. P. Relative growth of flower parts of two species of *Iris*. *Torrey Bot. Club Bul.* 71: 122-123. Mar. 1944. 451 T63B
- I. fulva* and *I. hexagona* var. *giganticaerulea*.



- 17870 \*RIPPEL, KARL. Der bakterielle abbau der äpfelsäure im wein als folge biologisch aktiver wirkstoffe (biokatalysatoren) in den weinbeeren. Deut. Bot. Gesell. Ber. 60 (Generalversamml.-heft 1): (108)-(117). Mar. 20, 1943. 451 D48
- 17871 ROBBINS, W. J. Plants need vitamins too. Torrey 43: 116-125. Dec. 1943. 450 T63
- 17872 ROBERTS, A. N., and MILBRATH, J. A. The influence of flower removal on gladiolus corm development. Amer. Soc. Hort. Sci. Proc. 43: 319-322. Nov. 1943. 81 Sol2
- 17873 \*ROHMEDER, E. Keim- und saattversuche mit sanddorn (*Hippophae rhamnoides* L.). Forstwiss. Centbl. 64: 241-245. Nov. 1, 1942. 99.8 F775
- 17874 \*ROHMEDER, E. Keimversuche mit *Ulmus montana* (With.). Forstwiss. Centbl. 64: 121-135. June 1, 1942. 99.8 F775
- 17875 \*ROSEN, G. VON. Röntgeninduzierte mutationen bei *Pisum sativum*. Hereditas 28: 313-338. 1942. Ref., p. 337-338. 442.8 H42  
English summary.
- 17876 ROY, W. R. Studies of boron deficiency in grapefruit. Fla. State Hort. Soc. Proc. (1943) 56: 38-43. 81 F66
- 17877 \*RUDOLF, Keimstimmung durch temperatur und entwicklungsänderungen an der ergrüntten pflanze durch temperatur, photoperiode und andere faktoren. Forschungsdienst, Sonderheft 16, p. 253-262. Berlin, 1942. Refs., p. 259-262. 18 F772
- 17878 \*\*RUDOLF, W., and SCHRÖCK, O. Neuere beobachtungen über den photoperiodismus. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 108-133. 1942.  
Abs. in Biol. Abs. 18: 3492. Feb. 1944. 442.8 P526
- 17879 \*RYZHENKOVA, M. G. [K] Voprosu o solevy-noslivosti nekotorykh sel'skokhoziaistvennykh kul'tur [Concerning the salt tolerance of certain cultivated species]. In Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa, p. 399-402. Moskva, 1942. 56 Ak12
- 17880 \*SAPÉGIN, A. A. Nizhnia mezha sporogenoi stadii u pshentai i iachmeniü [The lower limit of the sporogenous stage of development in wheat and barley]. Kii. Akad. Nauk URSS. Dopovid (Kiev. Acad. Sci. Ukrainian SSR Rpts.) 1942, No. 1/2, p. 61-65. 511 K54  
English summary.
- 17881 \*SAPÉGIN, A. A. Vikovii stan i kil'kist' kolosii [Age conditions and the number of spikelets in a spike]. Kii. Akad. Nauk URSS. Dopovid (Kiev. Acad. Sci. Ukrainian SSR Rpts.) 1942, No. 1/2, p. 67-71. 511 K54  
Experiments showing effect of light on wheat.  
English summary.
- 17882 \*SANTOS, J. B. DOS. Estomas e actividade estomática no sobreiro [*Quercus*]. Portugal. Dir. Geral dos Serv. Florestais e Aquícolas Pub. 7: 5-53. 1942. Ref., p. 51-53. 99.9 P834
- 17883 SAVVINOV, N. I., and PANKOVA, N. A. Kornevaia sistema rastitel'nosti tselinnykh uchastkov stepel' zavalzh'ia i novyi metod ee izuchenia [The root systems of the vegetation of the virgin soil districts in the steppes of the left bank of the Volga and a new method of studying them]. In Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa, p. 177-218. Moskva, 1942. Ref., p. 216-218. 56 Ak12
- 17884 \*SCHARRER, K. Bedeutung der spurenelemente. Forschungsdienst, Sonderheft 16, p. 180-188. Berlin, 1942. Ref., 185-188. 18 F776  
Effect of trace elements on plants.
- 17885 SCHLOESING, A. T., and LEROUX, DESIRE. Essai de conservation de grains en l'absence d'humidité, d'air et de lumière. Paris. Acad. de Sci. Compt. Rend. 216: 468-470. 1943. 505 P21
- 17886 SCHMIDT, WERNER. Physiologische fernwirkung von metallen. Der buchweizen test, ein neuer biologischer spuren-indikator radioaktiver elemente von ausserordentlicher empfindlichkeit. Deut. Bot. Gesell. Ber. 61: 75-80. July 26, 1943. 451 D48
- 17887 SCHROEDER, C. A. Hand pollination studies on the cherimoya. Amer. Soc. Hort. Sci. Proc. 43: 39-41. Nov. 1943. 81 Sol2
- 17888 \*SCHROEDER, HEINRICH. Erklärung zu meiner abhandlung "Die kohlendioxidversorgung der chloroplasten." Deut. Bot. Gesell. Ber. 60: 371-372. Nov. 26, 1942. 451 D48
- 17889 \*SCHROEDER, HEINRICH. Die kohlendioxidversorgung der chloroplasten. II. Deut. Bot. Gesell. Ber. 60: 206-216. Apr. 23, 1942. 451 D48
- 17890 \*SCHROPP, W. Ueber bormangelercheinungen. Forschungsdienst, Sonderheft 16, p. 188-191. Berlin, 1942. 18 F772
- 17891 \*SCHROPP, WILHELM, and ARENZ, B. Feldversuche wasser- und phosphorsäureversorgung auf den ertrag und die eiweissbildung beim hafer. Bodenk. u. Pflanzenernähr. 31: 312-324. 1943. 384 Z343A
- 17892 \*SCHROPP, WILHELM, and ARENZ, B. Gefässerversuche über den einfluss verschiedener wasser- und phosphorsäureversorgung auf den ertrag und eiweissbildung zweier haferarten. Bodenk. u. Pflanzenernähr. 31: 291-297. 1943. 384 Z343A
- 17893 \*SCHULACHER, W. Untersuchungen über die stoffwanderungen in der pflanze. Forschungsdienst, Sonderheft 16, p. 297-300. Berlin, 1942. 18 F772
- 17894 \*SELKE, W. Neue möglichkeiten der stickstoffdüngung im rahmen der erzeugungsschlacht. Forschungsdienst, Sonderheft 16, p. 210-216. Berlin, 1942. 18 F772  
Study of increased protein content in field crops through use of nitrogenous fertilizer.
- 17895 \*SEYBOLD, AUGUST. Pflanzenpigmente und lichtfeld als physiologisches, geographisches und landwirtschaftlichforstliches problem. Deut. Bot. Gesell. Ber. 60 (Generalversamml.-heft 1): (64)-(85). Mar. 20, 1943. 451 D48
- 17896 SISLER, G. P., and OVERHOLSER, E. L. Influence of climatic conditions on date of full bloom of Delicious apples in the Wenatchee Valley. Amer. Soc. Hort. Sci. Proc. 43: 29-34. Nov. 1943. 81 Sol2
- 17897 \*STOCKER, O. Untersuchungen über die physiologischen grundlagen der dürreresistenz landwirtschaftlicher kulturpflanzen. Forschungsdienst, Sonderheft 16, p. 275-279. Berlin, 1942. 18 F772
- 17898 \*STOSCH, H. A. Form und formwechsel der diatomee *Achnantes longipes* in abhängigkeit von der ernährung. Mit besonderer berücksichtigung der spurenstoffe. Deut. Bot. Gesell. Ber. 60: 2-16. Feb. 26, 1942. 451 D48
- 17899 STOUT, MYRON, and TOLMAN, BION. Field and greenhouse tests with synthetic growth-regulating substances applied to sugar beet seeds and plants. Amer. Soc. Agron. Jour. 36: 141-146. Feb. 1944. 4 Am34p
- 17900 STUCKEY, H. P. Nitrogen reduces cold injury to peach trees. Farm for Victory, Feb. 1944, p. 10-11. 281.8 F226
- 17901 SWEENEY, B. M. The effect of auxin on protoplasmic streaming in root hairs of *Avena*. Amer. Jour. Bot. 31: 78-80. Feb. 1944. 450 Am36
- 17902 TATUM, E. L., and BONNER, DAVID. Indole and serine in the biosynthesis and breakdown of tryptophane. Nat. Acad. Sci. Proc. 30: 30-37. Feb. 1944.  
Synthesis of tryptophane by *Neurospora*; production of indole from tryptophane by *Escherichia coli*.



- 17903 \*ULLRICH, H. Beziehungen zwischen struktur und frostresistenz bei pflanzen. Forschungsdienst, Sonderheft 16, p. 280-283. Berlin, 1942. 18 F772
- 17904 \*ULLRICH, HERMANN. Zur frage der entwicklung der pflanzen bei ausschliesslich künstlicher beleuchtung. II. Ueber weitere versuche mit osram-leuchtstofflampen, insbesondere bei höhere beleuchtungsintensität. Deut. Bot. Gesell. Ber. 60: 152-178. Mar. 26, 1942. 451 D48
- 17905 WALKER, J. C., STAHMANN, M. A., and PRYOR, D. E. Efficacy of fungicidal transplanting liquids for control of clubroot of cabbage. Phytopathology 34: 185-195. Feb. 1944. Ref., p. 194-195. 464.8 P56
- 17906 WANDER, I. W. The use of alkylation phosphate with respect to toxicity. Ohio Agr. Expt. Sta. Bino. Bul. 29: 43-47. Jan./Feb. 1944. 100 Oh33  
Experiments with various plants showed no toxic effects.
- 17907 WESTER, H. V. Relation of defoliation by Japanese beetles and drought to frost injury of American elm. Amer. Soc. Hort. Sci. Proc. 43: 316-318. Nov. 1943. 81 Sol2
- 17908 WHITTAKER, E. C., and MACKENZIE, P. B. The control of pre-harvest drop of apples and pears. Agr. Gaz. N. S. Wales 55: 11-13. Jan. 1, 1944. 23 N472
- 17909 WILLIAMS, H. H. Studies on the propagation of certain broadleaf evergreens with special reference to leaf-bud cuttings and root-inducing substances. Amer. Soc. Hort. Sci. Proc. 43: 323-330. Nov. 1943. 81 Sol2
- 17910 \*ZACHARIEW, B. J. Über die keimdauer bei schwarzkiefern Samen [Pinus laricio]. Forstwiss. Zentbl. 64: 278-285. Dec. 1, 1942. 99.8 F775
- 17911 ZIMMERMAN, P. W. The formative influences and comparative effectiveness of various plant hormone-like compounds. Torreya 43: 98-115. Dec. 1943. 450 T63
- 17912 ZIMMERMAN, P. W., HITCHCOCK, A. E., and HARVILL, E. K. Xylenoxy growth substances. Boyce Thompson Inst. Contrib. 13: 273-289. Jan./Mar. 1944. 451 P69
- Biochemistry
- 17913 BERTRAND, DIDIER. Le vanadium chez les champignons et plus spécialement chez les amanites. Soc. de Chim. Biol. Bul. 25: 194-197. Apr./June 1943. 383 Sol
- 17914 CHRISTOPHER, E. P., and PIENIAZEK, S. A. A further evaluation of hormone sprays [for apples]. Amer. Soc. Hort. Sci. Proc. 43: 51-52. Nov. 1943. 81 Sol2
- 17915 COLIN, HENRI, and BOUGY, EUGENE. Chaux et magnésie dans la betterave. Paris. Acad. des Sci. Compt. Rend. 216: 167-169. 1943. 505 P21
- 17916 COLIN, HENRI, TANRET, GEORGES, and CHOLLET, M. M. Sur le catalposide, hétéroside des fruits du catalpa. Paris. Acad. des Sci. Compt. Rend. 216: 277-279. 1943. 505 P21
- 17917 FISH, V. B. The effects of storage upon the ascorbic acid content of some West Virginia apples. Amer. Soc. Hort. Sci. Proc. 43: 73-78. Nov. 1943. 81 Sol2
- 17918 GEISSMAN, T. A., and HEATON, C. D. Anthocolor pigments. V. The pigments of Coreopsis grandiflora, Nutt. II. Amer. Chem. Soc. Jour. 66: 486-487. Mar. 1944. 381 Am33J
- 17919 HAAS, A. R. C. Boron content of avocado trees and soils. Calif. Avocado Soc. Yearbook 1943: 41-52. 81 G128
- 17920 \*HOFFMANN, JOSEF. Ein weiterer beitrage zur verteilung von uran in pflanzlichen stoffen. Bodenk. u. Pflanzenernähr. 32: 295-306. 1943. 384 Z343A
- 17921 \*HOFFMANN, RUDOLF. Untersuchungen über die keimung und das jugendwachstum der schwarz- und walnuss. Forstwiss. Centbl. 64: 59-91. Mar. 1942. 99.8 F775
- 17922 JACQUOT, RAYMOND, and RAVEUX, ROGER. Formation concomitante de lipides et d'alcool par Sterigmatocystis nigra. Paris. Acad. des Sci. Compt. Rend. 216: 318-319. 1943. 505 P21
- 17923 \*JANZ, G. J., and LOUREIRO, J. A. DE. Estudo das fracções obtidas no descasque e polidura de arroz produzido respectivamente com irrigação contínua e intermitente, e do respectivo conteúdo em ácido fosfórico. Agron. Lusitana 4: 167-183. 1942. 105.7 Ag8
- 17924 JOHNSON, J. R., MCCRONE, W. C., JR., and BRUCE, W. F. Gliotoxin, the antibiotic principle of Gliocladium fimbriatum. Amer. Chem. Soc. Jour. 66: 501. Mar. 1944. 381 Am33J
- 17925 KALIN, E. W. pH of extracted cell sap and phosphorus content of young tomato plants growing on varying levels of phosphorus. Amer. Soc. Hort. Sci. Proc. 43: 235-238. Nov. 1943. 81 Sol2
- 17926 \*LANZ, IRMGARD. Schwefelkristalle in blaualgen. Deut. Bot. Gesell. Ber. 60: 469-472. Jan. 28, 1943. 451 D48
- 17927 \*LINDNER, WILLY. Gräsersaponine. Untersuchungen über ihr vorkommen. Pharmaz. Ind. 10: 181-186. July 15, 1943. Abs. in Chem. Zentbl. (II) 1943: 1641. Nov. 3, 1943. 384 C42
- 17928 LOTT, R. V. The levulose, dextrose, and sucrose content of fifteen Illinois apple varieties. Amer. Soc. Hort. Sci. Proc. 43: 56-58. Nov. 1943. 81 Sol2
- 17929 \*\*LUND, A. Undersøgelse af karotinindholdet i foderplanter [Research on the carotin content of fodder plants]. Nord. Jordbrugsforsk. 1942, No. 7, p. 321-340. Abs. in Herbage Abs. 13: 328. Dec. 1943. 241 Im733
- 17930 \*LUND, AAGE. Graesmarksplanternes vitaminindhold. Ugeskr. for Landmaend 88: 687-691. Oct. 1, 1943. 11 U63  
Vitamin content of grassland plants.
- 17931 MCKEE, C. M., RAKE, GEOFFREY, and HOUCK, C. L. Studies on Aspergillus flavus. II. The production and properties of a penicillin-like substance - flavacidin. Jour. Bact. 47: 187-197. Feb. 1944. 448.3 J82
- 17932 MEDINA, J. C., JENSEN, G. O., and NERI, J. P. Composição química da casca de ramal em diversas fases do seu desenvolvimento. Bragantia 2: 433-447. Nov. 1943. 102.5 B73tb  
English summary.
- 17933 NICHOLS, M. L., and ROGERS, L. H. Determination of small amounts of molybdenum in plants and soils. Indus. and Engin. Chem. Analyt. Ed. 16: 137-140. Feb. 1944. 381 J825A
- 17934 OSBORN, E. M. On the occurrence of antibacterial substances in green plants. Brit. Jour. Expt. Path. 24: 227-231. Dec. 1943. 448.8 B772
- 17935 OTT, A. C., and BALL, C. D. The isolation of stigmaterol and beta-sitosterol from the common bean, Phaseolus vulgaris. Amer. Chem. Soc. Jour. 66: 489-491. Mar. 1944. 381 Am33J
- 17936 \*PARCH, K. Beiträge zur kenntnis des ascorbinsäure - (Vitamin C) -gehaltes und dessen veränderungen in pflanzlichen lebensmitteln. Forschungsdienst, Sonderheft 16, p. 283-289. Berlin, 1942. 18 F772



17937 \*SCHMALFUSS, K. Über das schicksal der phosphorsäureverbindungen in reifenden maisfrüchten und in wurzeln und blättern der petersilie in verschiedenen entwicklungszuständen und zugleich unter dem einfluss der düngung. Forschungsdienst, Sonderheft 16, p. 303-305. Berlin, 1942. 18 F772

17938 \*SCHWABOLD, J. Die bestimmung kleiner mengen kupfer, blei, und zink mit dithizon, mit besonderer hinsicht auf ihre bestimmung in biochemischen materialien. Forschungsdienst, Sonderheft 16, p. 745-746. Berlin, 1942. 18 F772

17939 VANDECAVEYE, S. C., and BAKER, G. O. Chemical composition of certain forage crops as affected by fertilizers and soil types. Jour. Agr. Res. 68: 191-220. Mar. 1, 1944. 1 Ag84J

17940 WADLEIGH, C. H., GAUCH, H. G., and DAVIES, VIRGINIA. The trend of starch reserves in bean plants before and after irrigation of a saline soil. Amer. Soc. Hort. Sci. Proc. 43: 201-209. Nov. 1943. 81 Sol2

17941 WAKSMAN, S. A. Purification and anti-bacterial activity of fumagacin and clavacin. Science 99: 220-221. Mar. 17, 1944. 470 Sci2

17942 \*WEBER, FR. Der Vitamin-C-gehalt der pflanzen. Forschungsdienst, Sonderheft 16, p. 300-303. Berlin, 1942. 18 F772

17943 \*WEIDHAAS, HEINZ. Experimentelle studien an gemüse über die entnahme von durchschnittsproben zur chemischen qualitätsbestimmung unter anwendung statistischer methoden. Bodenk. u. Pflanzenernähr. 30: 1-35. 1942. Ref., p. 34-35. 384 Z343A

17944 WINSTON, J. R. Seasonal changes in the juice of the calamondin [*Citrus mitis*] in Florida. Amer. Soc. Hort. Sci. Proc. 43: 84-90. Nov. 1943. 81 Sol2

17945 \*ZIKA, M. Ueber die ertragssteigerung der kartoffeln durch heterosuxin. Jour. f. Landw. 89: 64-76. 1942. 18 J825

#### SILVICULTURE

17946 \*\*COSSART, S. J. South Australian pine plantations, a wonderful achievement. Austral. Timber Jour. 8: 1021, 1023. Dec. 1942. (Madison Sub-Branch Lib.)

Abs. in Forestry Abs. 5: 109. 1943. 241.01 Im7  
Successful reforestation with Monterey pine.

17947 \*DEININGER. Waldbau im privatwald! Landesbauernschaft Bayern. Wchnbl. 133: 507. Sept. 18, 1943. 18 B34W

17948 DENUYL, DANIEL. The growth of timber in Indiana farmwoods. Jour. Forestry 42: 169-174. Mar. 1944. 99.8 F768

17949 GONÇALVES, A. P. Silvicultura aplicada. IV. Produção de mudas de essências florestais. Ceres [Brazil] 5(25): 61-68. Sept./Oct. 1943. 9.2 C332

Describes facilities and operation of forest nurseries.

17950 \*HERTRICH. Natürliche oder künstliche verjüngung. Forstwiss. Centbl. 64: 187-189. Aug. 1942. 99.8 F775

Discusses various theories of natural versus artificial regeneration of forest stands.

17951 \*LOHRMANN, R. Zur gestaltung der wald-ränder. Deut. Forstwirt 25: 10-12. Jan. 8, 1943. 99.8 D483

On the formation of forest borders.

17952 \*MAYER-WEGELIN, H. Die geschichtliche entwicklung der aufforstungen in der ukrainischen steppe. Forstarchiv 19: 95-107. Mar. 15, 1943. 99.8 F7723

17953 NEWMAN, F. S. The development of reforestation in Ontario. Roy. Canad. Inst. Proc. (Ser. 3A) 8: 37-38. 1942-1943. 517 T63P

17954 NITSCHKE, H. H. The conservation of old and the growing of new trees. So. Austral. Dept. Agr. Jour. 47: 272-273. Jan. 1944. 23 So84  
Suggestions for both small- and large-scale planting.

17955 \*OSTWALD, HANS. Noch einmal zur frage "Natürliche oder künstliche verjüngung." Forstwiss. Centbl. 64: 253-260. Nov. 1942. 99.8 F775

Reply to criticism of an earlier article.

17956 \*OW, L., FREIHERR VON. Der fichten-buchen-mischbestand unter den wirtschaftlichen bedingungen eines forstbetriebes. Deut. Forstwirt 25: 93-96. Mar. 12, 1943. 99.8 D483

A critical review of Bilhard Wiedemann's "Der gleichaltrige fichten-buchen-mischbestand," 1942.

17957 PERALTA V., ROBERTO. Reforestación en Chile. Agr. del Norte 27: 697-698. Nov. 1943. 9.3 Sol4

17958 \*RÜEDI, K. Aus der praxis der waldbaues. Schweiz. Ztschr. f. Forstw. 94: 283-288. Sept. 1943. 99.8 Sch9

17959 SILVEIRA, L. V. DA. A silvicultura no Rio Grande do Sul. (Cont.) Rev. Agron. [Brazil] 7: 534, 536-537. Oct. 1943. 9.2 R325

17960 \*STÖCK. Gegenwartsfragen des kiefernwald-baues. Deut. Forstwirt 25: 67-70. Feb. 1943. 99.8 D483

Discusses problems in connection with natural regeneration of pine.

17961 \*VIGLEZIO, G. Sistematica dei cedui sem-plici ticinesi. Schweiz. Ztschr. f. Forstw. 94: 273-278. Sept. 1943. 99.8 Sch9

Also in German, with title "Systematik der Tessiner niederwälder," p. 279-283.

17962 \*WAPPES. Erziehung von Weymouthskiefernpflanzen [*Pinus strobus*]. Deut. Forstwirt 25: 52. Feb. 5, 1943. 99.9 D483

#### FIELD CROPS

Includes articles on general agronomy, and on crop varieties, breeding, cultural practices, and yield.

#### General

17963 \*BOEKHOLT, K. Der einfluss der umwelt auf höhe und sicherheit der ernten. Forschungsdienst, Sonderheft 16, p. 124-125. Berlin, 1942. 18 F772

17964 \*CHIZHEVSKIY, M. G. K teorii polucheniiâ vysokikh urozhayev v svete ucheniiâ akademika V. R. Vil'iamsa [Concerning the theory of getting abundant harvests in the light of the teaching of academician V. R. Vil'iams]. In Akad. Nauk. Sbornik Pamiati Akad. V. R. Vil'iamsa, p. 63-82. Moskva, 1942. 56 Ak12

17965 \*GARCÍA ROMERO, ANTONIO. Ante la siembra la elección de semilla. Surco [Madrid] 2(20): 2-3. Oct. 1943. 15 Su7

17966 \*GUSTAFSSON, LENNART. Växtodlingen vid mindre och större gardar (Cultivation of crops at smaller and bigger farms). K. Landbr. Akad. Tidskr. 82: 341-350. 1943. 104 Sw3

17967 HARMER, P. M. The production of war crops—potatoes and sugar beets. Mich. Muck Farmers Assoc. Proc. (1943) 25: 13-16. 4 M5813

17968 \*HILLER. Zur herbstbestellung 1943. Landesbauernschaft Niederschles. Wchnbl. 10: 467, 479. Aug. 28, Sept. 4, 1943. 18 Si3

17969 \*HUBERT, K. Erst reinigen und beizen, dann säen. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 460. Aug. 28, 1943. 18 Sa9

17970 LEWIS, R. D. Meeting the challenge in the production of field crops. Ohio Farmer 193(5): 5, 13. Mar. 4, 1944. 6 Oh3



- 17971 \*SCHEIBE, A. Ökologie und züchtung von sonnenblume, saflor, ölräuke und mohn. Forschungs-dienst, Sonderheft 16, p. 405-409. Berlin, 1942. 18 F772
- 17972 \*SCHLECHT. Zwischenfruchtanbau. Landesbauernschaft. Württemb. Wchnbl. 110: 392. July 3, 1943. 18 W96
- 17973 \*SESSOUS, G. Arbeiten und aufgaben der reichsarbeitgemeinschaft "Pflanzenbau und Pflanzen-zuchtung." Forschungsdienst, Sonderheft 16, p. 237-240. Berlin, 1942. 18 F772
- 17974 \*TRITSCHLER. Stoppelfruchtban. Landesbauernschaft Bayern. Wchnbl. 133: 427A-428. July 31, 1943. 18 B34W
- Cereals**
- 17975 BUSSELL, F. P. Seed oats. [N. Y.] Delaware Co. Farm & Home Bur. News 27(3): 1. Mar. 1944. 275.293 N. Y. Delaware Co.
- 17976 CAFFEY, M. The need for increased food production; the cultivation of oats. Eire. Dept. Agr. Spec. Leaflet 16, 4 p. [Dublin], 1941. 10.5 Ir425
- 17977 CLARIDGE, J. H. A summary of the wheat research report on wheat varieties in the 1943 harvest. New Zeal. Jour. Agr. 68: 99-101. Feb. 15, 1944. 23 N48J
- 17978 THE CULTIVATION of rye as a grain crop. Eire. Dept. Agr. Spec. Leaflet 22, 3 p. [Dublin], 1942. 10.5 Ir425
- 17979 CUNNINGHAM, J. C. The cereal that developed the American way - Corn and the continent. Frontiers 8: 77-79. Feb. 1944. 410 F92
- Corn in the history of North America.
- 17980 \*DRAHORAD, F. Züchtung alpiner getreidearten. Forschungsdienst, Sonderheft 16, p. 364-368. Berlin, 1942. 18 F772
- 17981 DUNGAN, G. H. Yield and bushel weight of corn grain as influenced by time of planting. Amer. Soc. Agron. Jour. 36: 166-170. Feb. 1944. 4 Am34P
- 17982 EBERT, M. H. Rendimientos de los cultivos de cereales. Campesino [Santiago, Chile], 76: 4-5. Jan. 1944. 9.3 Sol2
- 17983 \*FUCHS, W. H. Die Grundlagen der züchtung auswuchsfester getreidesorten. Forschungsdienst Sonderheft 16, p. 339-344. Berlin, 1942. 18 F772
- 17984 \*GASPAR, FERNANDO. Variedades de cereales Surco [Madrid] 2(20): 7-9. Oct. 1943. 15 Su7
- 17985 GERMEK, EMILIO. Processo eficiente para produção de mudas para progênies de arroz. Bragan-tia 2: 515-520. Dec. 1943. 102.5 B73Tb
- English summary.
- 17986 GULL, P. W. Ten corn hybrids listed among leaders in the test at Stoneville. Miss. Farm Res. 7(2): 7. Feb. 1944. 100 M69M1
- 17987 \*HAHNE, J. Wintergerstenbau. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 470. Sept. 4, 1943. 18 Sa9
- 17988 \*HAHNE, J. Zur weizenbestellung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 567. Oct. 30, 1943. 18 Sa9
- 17989 \*HORA, S. L. Paddy cultivation and fish-culture. Indian Farming 4: 232-233. May 1943. 22 In283
- 17990 HURTUBISE, J. A. P. L'avoine des fermes expérimentales fédérales. Bul. des Agr. 40(3): 20-32A. Mar. 1944. 7 B872
- 17991 HURTUBISE, J. A. P. Le blé des fermes expérimentales fédérales. Bul. des Agr. 40(2): 30-31. Feb. 1944. 7 B872
- 17992 \*JAHN, E. Vermehrter anbau von waldstaude-erzeugen im sinne der erzeugungeschlacht. Deut. Forstwirt 25: 51-52. Feb. 5, 1943. 99.8 D483
- 17993 JARRIN, L. H. Contribución al mejoramiento de la Marina de trigo nacional. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 86-92. Sept. 1943. 451 Ec9
- Description of weed seeds often found in wheat.
- 17994 KERLE, W. D. The grain sorghums. Value of new varieties demonstrated. (Concl.) Agr. Gaz. N. S. Wales 55: 8-10. Jan. 1, 1944. 23 N472
- 17995 KRASNIANSKY, V. L'introduction des semences sélectionnées de paddy en milieu indigène, dans la province de Stanleyville. Bul. Agr. du Congo Belge 35: 62-71. Mar./Dec. 1943. 24 KB3
- 17996 \*KRICKL, MARTIN. Zur züchtung mehrkolbiger maissorten und der einfluss des temperaturfaktors auf die reife der einzelpflanze. Züchter 15: 125-134. July/Sept. 1943. 442.8 Z8
- 17997 \*LANG, JOSEF. Der landwirtschaftlicher anbau im walde. Deut. Forstwirt 25: 172-173. May 14, 1943. 99.8 D483
- Cereal crops.
- 17998 LAUDE, H. H. Long-time wheat variety yield comparisons. Amer. Soc. Agron. Jour. 36: 152-161. Feb. 1944. 4 Am34P
- 17999 MILLER, W. B. Cereal varieties recommended [for sowing in various districts]. Victoria Dept. Agr. Jour. 42: 30. Jan. 1944. 23 V66J
- 18000 \*MÖLLE, MUNKE. Dyrkningsforsøg med hvede. Ugeskr. for Landmaend 88: 695. Oct. 1, 1943. 11 Ug3
- Cultivation experiments with wheat. Danish and American winter wheat and spring wheat compared.
- 18001 MOORE, IAN. What to expect in spring corn [oats, wheat and barley]. Farmer & Stock-Breeder 58: 268. Feb. 15, 1944. 10 F228
- 18002 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Varieties of cereals for spring sowing. Natl. Inst. Agr. Bot. Farmers' Leaflet 2, 4 p. Cambridge, England, 1943. 103 N21F
- 18003 O'CONNELL, T. The need for increased production; "more and more wheat." Eire. Dept. Agr. Spec. Leaflet 12, 4 p. Dublin, 1941. 10.5 Ir425
- 18004 OWENS, J. S. Hybrid corn for Connecticut. [Conn.] Tolland Co. Farm Bur. News 25(3): 2. Mar. 1944. 275.293 Connecticut, Tolland Co.
- 18005 PARKER, J. H. Wheat missionaries [crop improvement workers help millers and farmers to understand quality of new varieties]. Northwest. Miller, Milling Prod. Sect. 217(10): 4a-6a. Mar. 8, 1944. 298.8 N81
- 18006 PUTNAM, H. O. Small grain varieties for the Northwest. Grain & Feed Jour. Consolidated 92: 201. Mar. 8, 1944. 298.8 G762
- 18007 \*RICHTER. Saatgutbeizung bedeutet mehrertrag. Landesbauernschaft Württemb. Wchnbl. 110: 524. Sept. 18, 1943. 18 W96
- Seed treatment for cereal crops.
- 18008 ROBERTSON, D. W., and FAUBER, HERMAN. Increased yields shown by corn hybrids in northern Colorado and Arkansas Valley. Colo. Farm Bul. 6(2): 13-15. Mar./Apr. 1944. 100 C71S
- 18009 \*ROEMER, TH. Ausgangsmaterial für die resistenzzüchtung bei getreide. Ergebnisse 20 jähriger arbeit der Pflanzestation Halle a. S. Ztschr. Zücht. Reihe A. Pflanzenzücht. 24: 304-333. 1942. Abs. in Biol. Abs. 18: 2025. Feb. 1944. 442.8 B526
- 18010 \*ROEMER, TH. Erzeugung von qualitätsweizen. Forschungsdienst, Sonderheft 16, p. 368-370. Berlin, 1942. 18 F772
- 18011 ROGERS, J. S., MCDOWELL, C. H., and HUNT, N. H. The boom in southern hybrids. Farm success of adapted corn hybrids creates demand years ahead of possible seed production. South. Seedsman 7(3): 13, 20, 40. Mar. 1944. 61.8 So8



18012 \*SCHNEIDER, E. Einige winke zur roggenbestellung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 492. Sept. '18. 1943. 18 Sa9

18013 \*SÜLDNER. Körnermaisbau im 4. kriegsjahr. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 239-240. Apr. 24, 1943. 80 F772

18014 SPANGENBERG, JORGE. El trigo "Klein 157" en el Uruguay. Uruguay. Univ. Facult. de Agron. Rev. No. 32, p. 73-102. May 1943. 102.5 M76R

18015 STOA, T. E. Which barley to grow. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 5-12. Jan. 1944. 100 N813B

18016 SWENSON, S. P. Which spring grains should be sown? [Varieties recommended.] Wash. Farmer 69: 129. Mar. 16, 1944. 6 R151

18017 \*TRITSCHLER. Ueberlegung zum anbau von winterweizen. Landesbauernschaft Bayern Wchnbl. 133: 513. Sept. 18. 1943. 18 B34W

18018 VENAULT. La culture du blé au Tchad. Bul. Agr. du Congo Belge 32: 118-125. Mar./Dec. 1941. 24 K83

18019 WHITE, THOMAS. The art of barley growing. Farmers Weekly [London] 20(10): 29. Mar. 10, 1944. 10 F2226

18020 WIIDAKAS, WILLIAM. Hybrid seed corn production. N. Dak. Agr. Expt. Sta. Bimo. Bul. 6(3): 3-4. Jan. 1944. 100 N813B

18021 WILKINSON, J. F. Why Vicland oats. Hoard's Dairyman 89: 171. Mar. 25, 1944. 44.8 H65

18022 WRIGHT, E. P. The season's barleys. Inst. Brewing Jour. 50: 41-45. Jan./Feb. 1944. 390.9 In7

#### Fiber Crops

18023 ANDRADE, D. X. DE. A cultura do sisal na Paraíba. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 228-240. Sept. 1942. 9.2 P423

18024 BARBER, C. H. Gifts of the Americas: kapok. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 59. Mar. 1944. 1 F752A

18025 BRESSMAN, E. N. Abaca finds new home in American tropics. U. S. Dept. Com. Foreign Com. Weekly 14(11): 7-8, 32. Mar. 11, 1944. 157.54 F763  
Description of the plant, its history, and processing.

18026 ENGELBEEN, M. Expérimentation cotonnière. Adaptation de la technique aux conditions locales. Bul. Agr. du Congo Belge 34: 278-299. Sept./Dec. 1942. 24 K83

18027 HEES, D. E. Instruções para o plantio da juta indiana. Chacaras e Quintas 68: 707-708. Dec. 15, 1943. 9.2 C34

18028 \*HUMMEL. Wann ist flachfaser reif? Landesbauernschaft Württemb. Wchnbl. 110: 348. June 5, 1943. 18 W96

18029 LARAMBERGUE, ROGER DE. Sur quelques propriétés des fibres libériennes de gouama Hibiscus sterculiifolius (Guil. Perr. et Rich.) Steudel. Paris. Acad. des Sci. Compt. Rend. 216: 498-499. 1943. 505 P21

18030 LUBRANO, JOSÉ. El abacá (cañamo de Indias). Rev. de Agr. [Dominican Repub.] 34: 534. Sept./Oct. 1943. 8 R323

18031 MEDINA, J. C. Alguns dados de rendimento de ramí em caule, casca e fibra. Bragantia 2: 333-337. Sept. 1943. 102.5 B73Tb  
English summary.

18032 MÉTÉOROLOGIE et culture cotonnière. Bul. Agr. du Congo Belge 35: 2-61. Mar./Dec. 1943. 24 K83

18033 MIEGE, E. La culture du cotonnier au Maroc, ses possibilités et son avenir. Fruits et Primeurs de l'Afrique du Nord 13: 47-49. Mar. 1943. 80 F9482

18034 MIEGE, E. Les plantes textiles au Maroc. Fruits et Primeurs de l'Afrique du Nord 13: 8-9, 32-33, 79-80, 100-101, 118-119, 181-182, 205-206; 14: 13-14. Jan., Feb., Apr.-June, Nov., Dec. 1943; Jan. 1944. 80 F9482

18035 MUELLO, A. C. El cultivo del yute. Pampa Argentina 18(197): 8. Jan. 1944. 9 P19

18036 NEELY, J. W., and BRAIN, S. G. Varieties of cotton to meet requirements of delta evaluated in a series of field tests. Miss. Farm Res. 7(2): 1, 2, 7. Feb. 1944. 100 M69M1

18037 \*OFITZ, K. Ökologie und züchtung der faserpflanzen lein und hanf. Forschungsdienst, Sonderheft 16, p. 390-397. Berlin, 1942. 18 F772

18038 PEREZ, E. C. Observaciones sobre el cultivo y la explotación de la rosella. Sisal de Yucatán 5(49): 8, 13, 20, 22-23. Jan. 1944. 73.8 S183

18039 \*\*ROMAGNOLI, MARIO. La coltivazione delle ramia nell'azienda sperimentale del R. Istituto Agronomica per l'Africa Italiana. Agr. Colon. [Florence] 36: 33-46, 74-82, 105-112. 1942.  
Abs. in Biol. Abs. 18: 3457. Feb. 1944. 442.8 P526

18040 \*SESSOUS, G. Versuche über die anbauwürdigkeit von Asclepiasarten. Forschungsdienst, Sonderheft 16, p. 397-400. Berlin, 1942. 18 F772  
A. incarnata and A. syriaca.

18041 STAFFORD, W. Linen flax growing. New Zeal. Jour. Agr. 68: 31, 33-36. Jan. 15, 1944. 23 M48J

18042 TAPPY, E. P. The new flax industry of Peru. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 63-72, processed. Mar. 1944. 1.9 Ec7For  
Includes methods of cultivation and harvesting and laws regulating the industry.

#### Forage Crops and Grasses

18043 AHLGREN, H. L., and others. Effectiveness of renovation in increasing yields of permanent pastures in southern Wisconsin. Amer. Soc. Agron. Jour. 36: 121-131. Feb. 1944. 4 Am34P  
M. L. Wall, R. J. Muckenhiem, and F. V. Burcalow, joint authors.

18044 ALFALFA (Medicago sativa). Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 67, Ser. 2, 8 p. n. d. 102 C492

18045 BATHGATE, H. N. Future for sunflowers. Farmers Weekly [London] 20(10): 29. Mar. 10, 1944. 10 F2226

18046 BEETLE, A. A. Meet Kikuyu grass. Pacific Rural Press [North. Ed.] 147: 143. Mar. 4, 1944. 6 P112

Also in Pacific Rural Press [South. Ed.] 147: 143. Mar. 4, 1944. 6 P112A

18047 \*BERKNER, F. Probleme der ökologie von garfutterpflanzen und futterleguminosen. Forschungsdienst, Sonderheft 16, p. 409-416. Berlin, 1942. Ref., p. 414-416. 18 F772

18048 BISWELL, H. H., FOSTER, J. E., and SOUTHWELL, B. L. Grazing in cutover pine forests of the Southeast. Jour. Forestry 42: 195-198. Mar. 1944. 99.8 F768

18049 BLANCHET, JEAN. La culture de la luzerne. Terre de Chez Nous 16(13): 7, 16. Dec. 29, 1943. 7 T27

18050 BLANCHET, JEAN. La valeur des légumineuses. Terre de Chez Nous 16(11): 7. Dec. 15, 1943. 7 T27

18051 BRIGGS, GLEN. Kudzu in Texas. Prog. Farmer, Tex. Ed. 59(4): 26. Apr. 1944. 6 T311

18052 BRIGGS, I. A. Guar - a summer growing legume in Arizona. Seed World 55(4): 9. Feb. 18, 1944. 61.8 Se52



- 18053 \*BROUWER, W. Züchtung und auslese von luzerne, rotklee, gelbklee, hornklee, steinklee, esparsette und serradella. Forschungsdienst, Sonderheft 16, p. 422-425. Berlin, 1942. 18 F772
- 18054 BUCHNER, ENRIQUE. Mejores pastos. La ventaja del corte oportuno de forrajes para obtener heno de buena calidad. Campesino [Santiago, Chile], 76: 12-14. Jan. 1944. 9.3 Sol2
- 18055 BURTON, G. W. The torch! ... makes shy grasses prolific. Spring burning of Bermuda, Bahia and other grass sods causes prolific seeding. South. Seedman 7(3): 15, 38. Mar. 1944. 61.8 So8
- 18056 CANFIELD, R. H. Measurement of grazing use by the line interception method. Jour. Forestry 42: 192-194. Mar. 1944. 99.8 F768
- 18057 CHAVES, LEOCADIO. Cultura da alfafa. Rev. Rural Bras. 23(280): 40-41. Dec. 1943. 9.2 B733
- 18058 COOK, L. J. Phalaris tuberosa. So. Austral. Dept. Agr. Jour. 47: 246-253. Jan. 1944. 23 So84
- 18059 COSTELLO, D. F. Know your range grasses and plants. Arizona fescue (*Festuca arizonica*). Westerner 7(2): 31, 35. Mar. 1944. 49 W522
- 18060 CROMBIE, B. The breeding of grasses and clovers. Eire Dept. Agr. Jour. 40: 286-290. Sept. 1943. 10 Ir2J
- 18061 \*DÖRKEN. Luzerne in reinsaat oder gemischt? Landesbauernschaft Niederschles. Wchnbl. 10: 251. Apr. 24, 1943. 18 S13
- 18062 DUNHAM, W. E. Honeybees - clover seed boosters. Canad. Bee Jour. 51: 197, 206. Nov. 1943. 424.8 C16
- 18063 DURÁN, J. J. Chamizo y chaparro. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 54, Ser. 2, 8 p. n. d. 102 C492
- Atriplex canescens and A. semibaccata.
- 18064 ESCOBAR, ABELARDO. La remolacha forrajera. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 71, Ser. 2, 4 p. n. d. 102 C492
- 18065 FERREIRA, E. A., and others. Análise botânica, qualitativa e quantitativa, dos campos, pastos e pradarias da região da Inspeção Regional em Pinheiro. Brazil. Escola Nac. de Agron. Bol., No. 3, p. 9-17. 1942. 102.5 R473
- B. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Laune, and José de Paula, joint authors.
- 18066 FINN, HUGH. What Kentish wild white [clover] can do. Farmer & Stock-Breeder 58: 347. Feb. 29, 1944. 10 F228
- 18067 GIBSON, W. S. Mangolds. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 545-548. Mar. 1944. 10 G79J
- 18068 GILL, N. T. Seeds for the long-term ley ... summary of grasses and clovers with alternative varieties. Farmers Weekly [London] 20(9): 28. Mar. 3, 1944. 10 F2226
- 18069 \*GRASSL. Die sommersaaten beim grassamenbau. Landesbauernschaft Bayern. Wchnbl. 133: 379. July 3, 1943. 18 B34W
- 18070 \*GRIESEBECK. Jeder Bauer muss heuer möglichst viel klee samen selbst erzeugen! Landesbauernschaft Bayern. Wchnbl. 133: 428. July 31, 1943. 18 B34W
- 18071 HENRY, TEOFILO, and BENTANCUR, M. O. Contribución al estudio y adaptación de dos tréboles, *Trifolium subterraneum* y *Trifolium alexandrinum*. Uruguay. Univ. Facult. de Agron. Rev. No. 32, p. 19-32. May 1943. 102.5 M76R
- 18072 HEUSINKVELD, DAVID. Reasons for red clover failure to produce crop. Seed World 55(4): 14. Feb. 18, 1944. 61.8 Se52
- 18073 HOLLOWELL, E. A. New sweet clovers for every need. Successful Farming 42: 20, 64-65. Jan. 1944. 6 Sul2
- 18074 HOSIER, A. J. Kale. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 543-545. Mar. 1944. 10 G79J
- 18075 \*\*JESPERSEN, G. K. Nogle bemærkninger om frøavl af eng-rapgræs [Some observations on growing the seed of *Poa pratensis*]. Tidsskr. for Frøavl No. 366, p. 151-153. 1943.
- Abs. in Herbage Abs. 13: 333-334. Dec. 1943. 241 Im733
- 18076 \*JOHANNSSON, TH. Resultater av 24 års beitekontroll. Norsk Landbruk 9: 332-333. Dec. 10 1943. 11 N8122
- Pasture improvement.
- 18077 JOHNSON, P. R. Edible cowpeas... comin' up! New, productive strains resist disease. South. Seedman 7(3): 24, 36. Mar. 1944. 61.8 So8
- 18078 \*\*JULÉN, G. Undersökning rörande några olika rödklöverstammars kvantitativa och kvalitativa avkastning vid Svalöf [Study of quantitative and qualitative yield in some different varieties of *Trifolium pratense* at Svalöf]. Nord. Jordbruksforsk. 1943, No. 1-2, p. 16-46.
- Abs. in Herbage Abs. 13: 314-315. Dec. 1943. 241 Im733
- 18079 \*KNOLL, J. G. Verbesserung der Grünlanderträge und der Futterqualität durch pflege- und erntemassnahmen. Forschungsdienst, Sonderheft 16, p. 436-441. Berlin, 1942. Ref., p. 440-441. 18 F772
- 18080 \*KUMAR, L. S. S. Improvement of grasslands. Bombay. Dept. Agr. Leaflet (n. s.) 1943, No. 1, 6 p. Poona, 1943. 22 B63L
- 18081 \*LA ROCHE, WILHELM VON. Rechtzeitige und verlustlose heuernte. Landesbauernschaft Bayern. Wchnbl. 133: 316. May 29, 1943. 18 B34W
- 18082 \*LARSEN, EBNAR. Frøavl og lucerne. Ugeskr. for Landmaend 88: 884-886. Dec. 17, 1943. 11 UG3
- 18083 \*LOCHMÜLLER, FRITZ. Wie klee samen sparen? Landesbauernschaft Bayern. Wchnbl. 133: 260A. Apr. 24, 1943. 18 B34W
- 18084 MCKEE, ROLAND and RITCHEY, G. E. Nature and uses of the lupine plant. Seed World 55(5): 8-9. Mar. 3, 1944. 61.8 Se52
- 18085 MCPHERSON, G. K. The establishment of pastures on better-class wheat-lands of Ashburton County. New Zeal. Jour. Agr. 68: 115-118. Feb. 15, 1944. 23 N48J
- 18086 MARCÓ, P. R., and MARTÍNEZ DUFOUR, E. A. Plantación de pasto elefante (*Pennisetum purpureum*) por medio de tallos estratificados, en Angel Gallardo, Santa Fé. Rev. Argentina de Agron. 9: 250-253. Sept. 1942. 9 R327
- 18087 MAY, JOHN. The clover seed gamble... account of how an Essex farm harvested clover. Farmers Weekly [London] 20(9): 27, 28. Mar. 3, 1944. 10 F2226
- 18088 \*MEISNER. Rechtzeitige heuernte. Landesbauernschaft Württemb. Wchnbl. 110: 335. May 29, 1943. 18 W96
- 18089 \*\*MELO, L. M. DE. Sobre produção de forragens pelo sistema de Hohenheim. Rev. Agron. [Lisboa] 30: 471. 1942.
- Abs. in Herbage Abs. 13: 306. Dec. 1943. 241 Im733
- 18090 \*NICOLAISEN, W. Probleme der Ökologie von Luzerne und Klee. Forschungsdienst, Sonderheft 16, p. 416-422. Berlin, 1942. 18 F772
- 18091 \*NICOLAISEN, W. Reine Luzerne und Luzerne-rotklee-gemenge. Landesbauernschaft Niederschles. Wchnbl. 10: 212. Apr. 3, 1943. 18 S13



18092 O'CONNELL, D. Grassland and grasses in Co. Kerry. *Eire, Dept. Agr. Jour.* 40: 273-279. Sept. 1943. 10 Ir2J

18093 OHIO STATE UNIVERSITY. Honeybees increase clover seed production 15 times. *Gleanings Bee Cult.* 72: 46-48. Feb. 1944. 424.8 G47

18094 OLDERSHAW, A. W. Peas as a grain crop. *Agriculture (Jour. Min. Agr. Ct. Brit.)* 50: 548-552. Mar. 1944. 10 G79J

18095 \*\*PANSE, ERICH. Möglichkeiten der Steigerung der eiweissleistung bei luzerne durch züchtung auf hohen eiweissgehalt. *Ztschr. Zücht. Reihe A. Pflanzenzücht.* 24: 229-274. 1942. Abs. in *Biol. Abs.* 18: 3275. Feb. 1944. 442.8 P526

18096 \*PEDERSEN, AXEL. Frøavl af lucerne. *Ugeskr. for Landmaend* 88: 719-722. Oct. 15, 1943. 11 Ug3

18097 PELLETT, F. C. Bird's-foot trefoil. *Amer. Bee Jour.* 84: 83-84. Mar. 1944. 424.8 Am3

18098 \*\*POHJAKALLIO, O. Untersuchungen über die resistenz von timothee gegen die trockenperiod. *Suomen Maataloustiet. Seura Maataloustiet. Aikakausk.* 14: 111-126. 1942. Abs. in *Herbage Abs.* 13: 347. Dec. 1943. 241 Im733

18099 PUEYRREDON, G. A. El retorno a las praderas. *Soc. Rural Argentina An.* 72: 847-848. Nov. 1943. 9 Sol

18100 \*RABES, FRITZ. Verstärkt die saatzugzeugung für Landsberger gemenge. *Mitt. f. die Landw.* 58: 655. Aug. 14, 1943. 18 D48M

18101 \*RABITZ. Esparsette im futterplan des IV. kriegsjahres. *Landesbauernschaft Sachsen-Anhalt. Wohnbl.* 101: 228. Apr. 17, 1943. 18 Sa9

18102 \*RABITZ. Feldfutter- und grassamenbau. *Landesbauernschaft Sachsen-Anhalt. Wohnbl.* 101: 493. Sept. 18, 1943. 18 Sa9

18103 \*RUDOLF, W. Züchtungsforschung und pflanzenbauliche untersuchungen an den lupinenarten. *Forschungsdienst, Sonderheft* 16, p. 428-436. Berlin, 1942. Ref., p. 435-436. 18 F772

18104 \*RUMJANTSEV, V. I. Kvoprosu prodvizhenia l'utserny na krainii sever [About the acclimatization of alfalfa to the extreme north]. In *Akad. Nauk. Sbornik Pamiaty Akad. V. R. Vil'iamsa*, p. 405-412. Moskva, 1942. 56 Ak12

18105 \*\*SKOVGAARD, O. S. Rødklöverens bestøvning og bestøvere [Trifolium pratense, its pollination and pollinators]. *Tidsskr. for Frøavl* No. 370, p. 251-254. 1943. Abs. in *Herbage Abs.* 13: 353. Dec. 1943. 241 Im733

18106 TAYLOR, C. R. Lucerne growing in the Rotorua district. *New Zeal. Jour. Agr.* 68: 27-30. Jan. 15, 1944. 23 N48J

18107 \*TRITSCHLER. Kleeluzerneanbau. *Landesbauernschaft Bayern. Wohnbl.* 133: 260A. Apr. 24, 1943. 18 B34W

18108 \*WAHLEN, F. F. Anbauversuche mit verschiedenen futterkohllarten. *Landw. Jahrb. der Schweiz* 57: 631-646. 1943. 17 L23

#### Oil Crops

18109 AJONJOLI. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 69, Ser. 2, 8 p. n. d. 102 C492

18110 \*BURR. Noch mehr Ölfrüchte. *Landesbauernschaft Württemb. Wohnbl.* 110: 369. June 19, 1943. 18 W96 Rape culture.

18111 COMIN, DONALD. The edible soybean as a market garden crop. *Ohio Veg. and Potato Growers Assoc. Proc.* (1942) 27: 75-79. 75.9 Oh3

18112 DU SAUTOY, W. Essentials for economic tung-tree culture. The question of budwood and seedlings. *Farmer's weekly [Bloemfontein]*, 66: 786-787. Jan. 12, 1944. 24 F225

18113 \*ENGELKE. Der oelfruchtanbau im protektorat. F. O. Licht. *Deut. Ber.* 82: 155a-158. Sept. 2, 1943. 66.8 L61A

18114 FIGUERILLA. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 68, Ser. 2, 8 p. n. d. 102 C492

18115 KRUG, C. A., MENDES, P. T., and SOUSA, A. F. DE. Melhoramento da mamoneira. III. Primeira serie de ensaios de variedades (1937/38-1938/39). *Bragantia* 3: 85-122. May 1943. 102.5 B73Tb

18116 \*MASSA, LUIGI. Esperimenti di coltura dell'Aleurites nell'Africa Orientale Italiana. *Agr. Colon. [Florence]* 36: 183-187. 1942. Abs. in *Biol. Abs.* 18: 3423. Feb. 1944. 442.8 P526

18117 MERRILL, SAMUEL, JR. Characteristics in the nursery of tung progenies from open-pollinated seed of one hundred sixty-nine parent trees. *Amer. Soc. Hort. Sci. Proc.* 43: 149-154. Nov. 1943. 81 Sol2

18118 MEYER, A. C. Tungue - Mamoneira - Amendoim. *Rev. Rural Bras.* 23(280): 34-35. Dec. 1943. 9.2 B733

18119 MURPHY, R. P. Montana flax seed for 1944. *Mont. Farmer* 31(13): 15. Mar. 1, 1944. 6 M764

18120 NEME, N. A. Amendoim nhambiquara. *Bragantia* 3: 131-132. June 1943. 102.5 B73Tb

18121 \*NEUNER. Die bedeutung des bienenbefluges für den rapsbau. *Landesbauernschaft Bayern. Wohnbl.* 133: 260A. Apr. 24, 1943. 18 B34W

18122 \*ROSSEK. Die sojabohne und deren hauptanbauggebiete im Deutschen Reich. F. O. Licht. *Deut. Ber.* 82: 150-152. Aug. 19, 1943. 66.8 L61A

18123 \*SCHAEFFLER, H. Ergebnisse langjähriger saatzzeit-, drillweite- und saatzstärkeversuche mit winterraps und winterrüben. *Landesbauernschaft Bayern. Wohnbl.* 133: 427A. July 31, 1943. 18 B34W

18124 SCHRADER, P. G. Penny cress [Thlaspi arvense], a promising new paint vehicle. *Amer. Paint Jour.* 28(23): 54, 56-57, 60, 64. Mar. 6, 1944. 306.8 Am32

18125 \*SESSOUS, G. Stand und ziel von anbau und züchtung der soya. *Forschungsdienst, Sonderheft* 16, p. 400-403. Berlin, 1942. 18 F772

18126 \*SESSOUS, G. Die vereinfachung des mohnanbaues. *Forschungsdienst, Sonderheft* 16, p. 404-405. Berlin, 1942. 18 F772

18127 \*STEIGERWALD. Wichtige regeln für die ernte von raps und rüben! *Landesbauernschaft Bayern Wohnbl.* 133: 353. June 19, 1943. 18 B34W

18128 \*WAGNER, FRIEDRICH. Wir bauen noch mehr sommerraps. *Landesbauernschaft Bayern Wohnbl.* 133: 247A. Apr. 17, 1943. 18 B34W

18129 \*WENCK, H. H. Verlustlose rapsernte. *Landesbauernschaft Sachsen. Wohnbl.* 91: 284. June 19, 1943. 18 Sal

#### Sugar Crops

18130 ANDRADE, D. X. DE. Variedades de cana cultivadas no Nordeste. Pernambuco, Brazil. *Sec. de Agr., Indús. e Com. Bol.* 10: 33-44. Mar. 1943. 9.2 F423

18131 CAMINHA FILHO, ADRIÃO. A lavoura canavieira e a industria do açúcar no Brasil. *Brasil Açucareiro* 22: 461-467. Dec. 1943. 65.8 B73

Includes causes for diminished yields in cane and the organization of experiment stations.



- 18132 CARSNER, EUBANKS. The sugar beet in Europe and America. N. Y. Bot. Gard. Jour. 45: 25-31. Feb. 1944. 451 N48J
- 18133 \*MATHUR, V. S. Sugar-cane in western U. P. Indian Geog. Jour. 18: 113-122. July/Sept. 1943. Noted in Amer. Geog. Soc. Cur. Geog. Pub. 7: 57. Mar. 1944. 241.6 Am3
- 18134 RAYNS, F. Sugar beet. Sugar Jour. 6(9): 3-6, 17-18. Feb. 1944. 65.8 Su391
- 18135 RODRIGUES FILHO, ANTONIO. Cana de açúcar. Rev. Rural Bras. 23(280): 20-23. Dec. 1943. 9.2 B733
- 18136 \*RÜDINGER, HANS. Anbaumassnahmen im zuckerrübenanbau 1943. Zuckerindustrie 1: 7-9. Apr. 17, 1943. 65.8 Z8
- 18137 \*RÜDINGER, HANS. Erfahrungen und beobachtungen mit einkeimigem zuckerrübensamen. F. O. Licht. Deut. Ber. 82: 65a-66. Mar. 18, 1943. 66.8 L61A

#### Tobacco

- 18138 CAMPOS, M. M. DE. Cultura do fumo. Chacaras e Quintais 68: 749-751. Dec. 15, 1943. 9.2 C34
- 18139 HUNT, RUSSELL. Plantbeds [tobacco]. Prog. Farmer, Ky.-Tenn. Ed. 59(3): 14, 20. Mar. 1944. 6 P94sK

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

- 18140 BEMIS, C.H. Tannery city [Woburn, Mass.] turns to hothouse flowers and vegetables. New England Homestead 117(5): 3, 6, 10. Mar. 11, 1944. 6 N442
- 18141 BEST, GORDON. Fruits from the Vineland Station: experimental work in originating new varieties of fruit and vegetables. Farmer's Mag. 41(3): 9, 42. Mar. 1944. 7 C165
- 18142 BEVANÇON, L. La production des porte-greffe en Algérie. Fruits et Primeurs de l'Afrique du Nord 12: 117-118. May 1942. 80 F9482
- 18143 CHICAGO, ILLINOIS, PARK DISTRICT. Gardening--modern three-faced Janus. Recreation 37: 647-651, 698. Mar. 1944. 280.68 P69
- 18144 FARAUDDO, LOUIS. L'horticulture en temps de guerre. Hort. Românească 17(9/10): 12. Sept./Oct. 1939. 80 R328
- 18145 FULWOOD, MRS. P. D. Vegetables and roses. Amer. Rose Ann. 1944: 27-28. 81 Am31A
- 18146 GOVE, L. C. The value of a garden plan. Horticulture 22: 135. Mar. 15, 1944. 80 H787
- 18147 \*HAHN. Ein weiterer doppelkasten mit glasstehwänden. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 233. Sept. 17, 1943. 80 G196
- 18148 \*HAHN, EUGEN. Gartenbauliches aus Rumänien. I-II. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 250-251, 263. Oct. 15, 29, 1943. 80 G196
- 18149 \*HAHN, EUGEN. Eine praktische neuerung für die obsternte. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 212-213. Sept. 3, 1943. 80 G196
- 18150 HOLLEY, D. D. Interesting breeding work with flowers and tomato, at University of New Hampshire. Florists' Exch. 102: 7. Mar. 11, 1944. 80 F666
- 18151 KEITH, G. C. Ontario Horticultural [Association] convention emphasizes importance of Victory gardens. Canad. Hort. & Home Mag. Floral Ed. 67: 49-50, 60-63. Mar. 1944. 80 C167
- 18152 LARSEN, G. H., and REBOUR, H. Le contrôle de la taille par le propriétaire. Fruits et Primeurs de l'Afrique du Nord 13: 3-6. Jan. 1943. 80 F9482
- 18153 \*MADEN, R. Z. Toplu meyvacılık bilgisi [horticulture]. Turkey. Ziraat Vekâleti. Neşriyat. U. Sayı 564, 99 p. Ankara, 1943. 25 T842
- 18154 \*MEIER. Gemeinschaftsanbau oder pflanzen-garten? Schweiz. Gart., No. 8, p. 214-217. Aug. 1943. 80 Sch93
- 18155 \*MEIER, KURT. Bericht der eidgenössischen versuchsanstalt für obst-, wein-, und gartenbau in Wädenswil für das Jahr 1940. Landw. Jahrb. der Schweiz 57: 419-461. 1943. 17 L23
- 18156 MORA PEREZ, FAUSTO. Multiplicación artificial. Injertos. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 70, Ser. 2, 8 p. n. d. 102 C492
- 18157 \*NOTH, H. H. Auch der garten soll vor winter in ordnung sein. Landesbauernschaft Württemb. Wchnbl. 110: 599. Oct. 30, 1943. 18 W96
- 18158 PATTERSON, C. F. Fruit growing in Saskatchewan. Saskatchewan Farmer 35(5): 12, 13. Mar. 1, 1944. 7 Sa74
- 18159 \*QUADRI, C. Der anzuchttopf. Schweiz. Gart., No. 3, p. 74-78. Mar. 1943. 80 Sch93
- Methods of transplanting of seedlings described.
- 18160 \*QUAST, W. Die gemüse- und obsterzeugung 1943. Getreide, Saaten, Dünger u. Futtermarkt 49 (2): 4-5. Jan. 23, 1943. 286.81 Sal
- Cultivation methods.
- 18161 \*QUAST, WALTER. Mehr obst - mehr bäume - mehr unterlagen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 229. Oct. 1, 1943. 80 G196
- 18162 REBOUR, H. "L'arbre qu'il faut à la place qui lui convient." Besoin en eau des arbres fruitiers. Fruits et Primeurs de l'Afrique du Nord 13: 117. June 1943. 80 F9482
- 18163 REBOUR, H. Les cultures intercalaires dans les vergers. Fruits et Primeurs de l'Afrique du Nord 13: 80-81. Apr. 1943. 80 F9482
- 18164 REBOUR, H. Planteurs! Mettez l'arbre qu'il faut à la place qui lui convient. Fruits et Primeurs de l'Afrique du Nord 13: 24-27. Feb. 1943. 80 F9482
- 18165 \*REINHOLD, J. Die arbeit der reichsarbeitsgemeinschaft "Gartenbau." Forschungsdienst, Sonderheft 16, p. 443-451. Berlin, 1942. 18 F772
- 18166 \*RIEBOLD, H. Ein wertvolles hilfsmittel in der vermehrung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 248. Oct. 15, 1943. 80 G196
- Ashes used in rooting cuttings of ornamental plants and storing seed.
- 18167 \*THIELE, K. P. Bevor der neue anbau beginnt - erst die häuser gründlich vorbereiten! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 255-256. Oct. 29, 1943. 80 G196
- 18168 WARD, W. B. Feeding the family from the [Victory] garden. Ind. Farmers Guide 100(6): 10. Mar. 15, 1944. 6 In2
- 18169 \*WELCHERT. Obstbau im frühjahr. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 257. May 1943. 18 Sa9
- 18170 WORK, PAUL. What to plant in the 1944 Victory garden. What's New in Home Econ. 8(7): 22-23, 90, 92. Mar. 1944. 321.8 W55
- 18171 WYMAN, DONALD. Short guide to care of the garden during war time. Arnoldia 4: 9-16. Mar. 24, 1944. 561 Ar6Ba
- Includes spray program for insect and disease control.



Citrus and Subtropical Fruits

- 18172 AUGUSTE, A. Les plantations d'agrumes en Algérie au cours de la campagne 1941-1942. Fruits et Primeurs de l'Afrique du Nord 13: 36-37. Feb. 1943. 80 F9482
- 18173 BEIRNAERT, A. Nieuwere wegen in de cultuurtechniek van warme landen. Bul. Agr. du Congo Belge 33: 55-68. Mar./June 1942. 24 KB3
- 18174 BHAT, S. S. Nursery practices of mango grafting. Indian Farming 4: 254-256. May 1943. 22 In283
- 18175 BRICHET, J. En parcourant les jeunes orangeries abimées par le siroco d'Octobre-Novembre dernier, en compagnie de leurs propriétaires. Fruits et Primeurs de l'Afrique du Nord 13: 50-51. Mar. 1943. 80 F9482
- 18176 BRICHET, J. Le grenadier et les grenades, culture et production de demain. Fruits et Primeurs de l'Afrique du Nord 12: 115-116. May 1942. 80 F9482
- 18177 BRICHET, J. Nos orangeries sous les froids de l'hiver. Fruits et Primeurs de l'Afrique du Nord 14: 6-8. Jan. 1944. 80 F9482
- 18178 BRICHET, J. Question de figues. Régression de la qualité commerciale, ses causes et ses conséquences. Comment y remédier. Fruits et Primeurs de l'Afrique du Nord 13: 111-113. June 1943. 30 F9482
- 18179 CITRUS de producción tardía. Corp. Frutícola Argentina 9(102): 21. June 30, 1943. 83 C81
- Reprinted from Noticias Gráficas, May 31, 1943.
- Tests of Lue Gim Gong and King of Siam in the Delta region of Argentina.
- 18180 CONDIT, I. J. Facts about figs; their culture in California. Amer. Fruit Grower 64(3): 14, 26, 28. Mar. 1944. 80 G85
- 18181 FAIRCHILD, DAVID. In defense of the Bael fruit, Aegle marmelos. Fla. State Hort. Soc. Proc. (1943) 56: 165-171. 81 F66
- 18182 GARDNER, F. E., and PIPER, R. B. Ease of propagation of some subtropical fruits by cuttings from young seedlings. Fla. State Hort. Soc. Proc. (1943) 56: 124-126. 81 F66
- 18183 GREIG, A. M. W. Pruning of citrus trees. New Zeal. Jour. Agr. 68: 119-122. Feb. 15, 1944. 23 N48J
- 18184 GROFF, G. W. Some ecological factors involved in successful lychee culture. Fla. State Hort. Soc. Proc. (1943) 56: 134-155. 81 F66
- 18185 HODGSON, R. W., and CAMERON, S. H. Some instances of scion dominance in citrus. Amer. Soc. Hort. Sci. Proc. 43: 131-138. Nov. 1943. 81 S612
- 18186 KING, J. B. Commercial papaya culture in Pinellas County. Fla. State Hort. Soc. Proc. (1943) 56: 129-131. 81 F66
- 18187 KUMAR, L. S. S., and ABRAHAM, A. The papaya, its botany, culture and uses. Bombay Nat. Hist. Soc. Jour. 44: 252-256. Dec. 1943. 513 B63
- 18188 LARSEN, G. H. L'improductivité du clémentinier. Fruits et Primeurs de l'Afrique du Nord 13: 188. Nov. 1943. 80 F9482
- 18190 PALMER, D. F. Report of Subtropical Fruit Committee. Calif. Avocado Soc. Yearbook 1943: 17-18. 81 C128
- 18191 PIPER, R. B., and GARDNER, F. E. Comparative seasonal development of avocado fruits and seeds. Fla. State Hort. Soc. Proc. (1943) 56: 122-124. 81 F66
- 18192 POPENOE, WILSON. Importantes frutas tropicales. El aguacate o palta. Puerto Rico Dept. Agr. and Com. Bol. Mens. 2(7): 3-5. July 1943. 8 P963

18193 POPENOE, WILSON. Importantes frutas tropicales. El caimito Chrysophyllum cainito L. Puerto Rico Dept. Agr. y Com. Bol. Mens. 2(11): 15. Nov. 1943. 8 P963

18194 RADEBAUGH, D. S. Growing Cayenne pineapples in central Florida. Fla. State Hort. Soc. Proc. (1943) 56: 131-133. 81 F66

18195 RAÑA, EDUARDO. Cultivo del guayabo. Campo [Argentina] 28(326): 42-43, 62, 68. Dec. 1943. 9 C15

18196 REBOUR, H. Travail du sol dans les vergers. Fruits et Primeurs de l'Afrique du Nord 13: 78. Apr. 1943. 80 F9482

18197 ROUNDS, M. B. 1943 observations of avocado varieties. Calif. Avocado Soc. Yearbook 1943: 13. 16. 81 C128

18198 RYERSON, K. A. Avocado reminiscences. Calif. Avocado Soc. Yearbook 1943: 71-75. 81 C128

Deciduous Fruits

18199 BAHRINCeanu, DIMITRIE. Constatari din judet. Hort. Românească 17(11/12): 23-24. Nov./Dec. 1939. 80 R328

Fruit culture.

18200 BEACH, F. H. Orchard problems. They are manifold - both now and after the war. East. Fruit Grower 6(12): 6, 11, 14, 18-19, 22. Feb. 1944. 80 Ea73

18201 BLAKE, M. A., JOHNSTON, STANLEY, and VAN HAARLEM, J. R. New varieties of peaches. Rural New-Yorker 103: 153, 160. Mar. 18, 1944. 6 R88

18202 BOHME, D. Das edelreis bricht leicht aus. Deut. Gart. 58: 55. May 1943. 80 P883

Grafting precautions for deciduous fruits.

18203 BRICHET, J. L'exploitation commerciale du poirier en Algérie. Fruits et Primeurs de l'Afrique du Nord 13: 96-99. May 1943. 80 F9482

18204 BRYNER, W. Zur wahl des saatzgutes für die anzucht von apfelunterlagen. Schweiz. Obst-u. Weinbau 52: 546. Oct. 9, 1943. 80 Sch9

18205 BURKHOLDER, HIRAM. A veteran orchardist's notes on apple and plum varieties. Ohio Farmer 193(6): 13. Mar. 18, 1944. 6 Oh3

18206 BUTTERFIELD, H. M. Pears grown by the Spanish in California. Blue Anchor 21: 36. Feb. 1944. 286.83 B62

18207 CHAPMAN, ASHTON. Dwarf fruit trees for a limited space. How small plots may be used to increase food production. Home Gard. for the South 4: 28-29, 33. Feb. 1944. 80 H755

18208 CONSTANTINESCU-ISMAIL, N. Contribuțiuni la studiul autofertilității și interfertilității la diferitele varietăți de pruni. Hort. Românească 17(9/10): 2-4. Sept./Oct. 1939. 80 R328

18209 GARNER, R. J. Propagation by cuttings and layers. Recent work and its application, with special reference to pome and stone fruits. Imp. Bur. Hort. and Plantation Crops Tech. Commun. 14, 79 p. Jan. 1944. 241 Im72

18210 HATTON, R. G. New [improved] orchards for old. Land Union Jour. 41: 6-8. Jan./Feb. 1944. 282.8 L22

18211 HULSMANN, B. Fortschritte der obstunterlagen-forschung. Forschungsdienst, Sonderheft 16, p. 481-488. Berlin, 1942. 18 F772

18212 HULTSCH, M. Jetzt "musterung" der obstbäume wichtig. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 504. Sept. 25, 1943. 18 Sa9

18213 JORDAN, E. Die grundregeln der kernobsternte. Ztschr. f. Obst- Wein- u. Gartenbau 69: 78-79. Sept. 1, 1943. 80 Z3

18214 KAUFMANN, F. Die okulation der obstgehölze. Schweiz. Gart., No. 11, p. 294-296. Nov. 1943. 80 Sch93



- 18215 KELSALL, A. Do we need new apple varieties? *Marit. Farmer and Coop. Dairyman* 49(12): 3. 20. Mar. 21, 1944. 7 C77
- 18216 \*KÖRNER, C. Die bedeutung der bienenzucht für den obst- und samenbau. *Preuss. Bienen Ztg.* 89: 34-35. June 1943. 424.8 P92
- 18217 \*KUPPERS, HELLMUTH. Die obstbauliche forschung als wegbereiterin zum feldmässigen obstanbau. *Deut. Obstbau* 58: 188, 191. Nov. 1943. 80 M73A
- 18218 LAGLOIRE, PELLERIN. Nouvelles variétés de pommes. *Bul. des Agr.* 40(3): 23. Mar. 1944. 7 B872
- 18219 LARSEN, G. H. Les éléments de réussite des cultures fruitières en Algérie. I. Les facteurs culturaux. *Fruits et Primeurs de l'Afrique du Nord* 13: 178-179. Nov. 1943. 80 F9482
- 18220 LESLEY, J. W. New peach varieties for a subtropical climate. *Calif. Citrog.* 29: 138. Mar. 1944. 80 C125
- 18221 \*LOEWEL, E. L. Apfelanbau auf geest- und marschboden. *Deut. Obstbau* 58: 149-151. Sept. 1943. 80 M73A
- 18222 \*LOEWEL, E. L., and VAHL, E. VON. Fruchtfall als sorteneigenschaft bei äpfeln. *Deut. Obstbau* 58: 193-194. Nov. 1943. 80 M73A
- 18223 \*LOEWEL, E. L. Über die bedeutung des stammbildners für den hochstamm. *Forschungsdienst, Sonderheft* 16, p. 488-491. Berlin, 1942. 18 F772
- 18224 LORRE, R. E. Pruning fruit trees in the home garden and orchard. *Hort. News* 10: 26. Mar. 1944. 80 H7815
- 18225 \*LUDWIGS. Wasser ist ein wichtiges element für unsere bäume. *Deut. Gart.* 58: 55. May 1943. 80 P883
- 18226 MCCORRY, S. A. Fruit tree pruning in South Dakota. *N. and S. Dak. Hort.* 17: 41. Mar. 1944. 81 N817
- 18227 \*MEYER, E. Neue wege zur unterlagenbeschaffung in obstbaumschulen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 237-238. Oct. 1, 1943. 80 G196
- 18228 MEYER, H. M. Bruce plums, an east Texas crop. *Farm and Ranch* 63(3): 21. Mar. 1944. 6 F31
- 18229 NUSSEY, A. N. Pruning apple trees. *Macdonald Col. Jour.* 4(6): 4. Feb. 1944. 101 M144
- 18230 \*PLOCK, H. Die unterlage bei quitte. *Deut. Obstbau* 58: 200. Nov. 1943. 80 M73A
- 18231 \*PLOCK, H. Die verträglichkeit der *Prunus myrobalana alba*. *Deut. Obstbau* 58: 158, 161. Sept. 1943. 80 M73A
- 18232 \*PLOCK, H. Wie verbessern wir die kulturverfahren in der baumschule? *Deut. Obstbau* 58: 194, 197. Nov. 1943. 80 M73A
- Directions for fruit cultivation.
- 18233 PONCE, J. R. El peral. *Rev. Nac. de Agr. [Bogotá]* 37(474): 21-22. Dec. 1943. 9.4 R32
- 18234 PUNGOCI, IULIAN. Observațiuni cu privire la pastrarea ochilor de piersic in școlile de pomi. *Hort. Românească* 17(9/10): 4-7. Sept./Oct. 1939. 80 Re28
- 18235 REBOUR, H. La taille du pêcheur. *Fruits et Primeurs de l'Afrique du Nord* 14: 11. Jan. 1944. 80 F9482
- 18236 \*RODER, FRITZ. Was nützen die bienen dem obstbauer? *Schweiz. Bienen Ztg.* 66: 382. Sept. 1943. 424.8 Sch9
- 18237 \*RUDOLF, W. Züchtungsforschung an den obstarten (edelsorten). *Forschungsdienst, Sonderheft* 16, p. 472-481. Berlin, 1942. Ref., p. 480-481. 18 F772
- 18238 SCHIERHOLTZ, G. Y. An orchard in sixty below country [Alberta]. *Canad. Countryman* 33(5): 18. Mar. 4, 1944. 7 C833
- 18239 \*SCHILLING, KARL. Unterkulturen im obstbau. *Ztschr. f. Obst- Wein- u. Gartenbau* 69: 80. Sept. 1, 1943. 80 Z3
- 18240 \*SCHMITZ-HUBISCH, HANS. Was der obstbau braucht und nicht braucht. *Deut. Obstbau* 58: 151-152. Sept. 1943. 80 M73A
- 18241 SCHRADER, A. L., and HAUT, I. C. Peach varieties: what's in the future? *Peninsula Hort. Soc. [Del.] Trans.* (1943) 57: 32-36. 81 P37
- 18242 SHEWELL-COOPER, W. E. What is happening to fruit tree raising? *Field* 183: 50. Jan. 8, 1944. 10 F45
- 18243 SOUTHWICK, LAWRENCE. Planting fruit trees. *New England Homestead* 117(5): 20-21. Mar. 11, 1944. 6 N442
- 18244 TUKEY, H. B., and BRASE, K. D. The congeniality of some American varieties of apples on Malling rootstocks. *Amer. Soc. Hort. Sci. Proc.* 43: 143-146. Nov. 1943. 81 Sol2
- 18245 TUKEY, H. B., and BRASE, K. D. An uncongeniality of the McIntosh apple when top-worked onto Virginia crab. *Amer. Soc. Hort. Sci. Proc.* 43: 139-142. Nov. 1943. 81 Sol2
- 18246 VAN DOREN, A. Pruning peaches. *[N. Y.] Orange Co. Farm Bur. News* 21(2): 1-2. Feb. 1944. 275.293 N. Y. Orange Co.
- 18247 VIERHELLER, A. F. Pruning the orchard following the past year's freeze and drought conditions. *Peninsula Hort. Soc. [Del.] Trans.* (1943) 57: 20-24. 81 P37
- 18248 WALSH, T. J. Cider [apple] orchard development in South Tipperary. *Éire. Dept. Agr. Jour.* 40: 257-266. Sept. 1943. 10 Ir2J
- 18249 \*WELCHERT. Ertragreicher apfelanbau in landwirtschaftlichen betrieben. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 532. Oct. 9, 1943. 18 Sa9
- 18250 \*WINKELMANN. Winke für die spätobsternte. *Landesbauernschaft Württemb. Wchnbl.* 110: 515. Sept. 11, 1943. 18 W96
- 18251 WOLFE, H. S. Care of new orchard plantings. *Fla. Grower* 52(3): 13, 19. Mar. 1944. 80 F6622
- 18252 WOUBURN, RUSSELL. To orchardists: hill-tops warmer at frost periods. *Miss. Farm Res.* 7 (2): 7. Feb. 1944. 100 M69M1
- 18253 \*ZULAUF, HERMANN. Standortbesinnung im obstbau 1943. *Schweiz. Gart., No. 9*, p. 232-243. Sept. 1943. 80 Sch93

## Muts

- 18254 \*BRYNER, W. Ueber das veredeln von nussbäumen. *Schweiz. Ztschr. f. Obst- u. Weinbau* 52: 485-490. Aug. 28, 1943. 80 Sch9
- 18255 CASARUBIO, ANTONIO. Perspectivas del cultivo del almendro en Mendoza. *Chacra* 14(159): 18-19. Jan. 1944. 9 C34
- 18256 SLATE, G. L. Pollination of the Persian walnut. *Amer. Fruit Grower* 64(3): 17. Mar. 1944. 80 G85
- 18257 SOTO, J. N. Siembra del marañon y preparación de sus semillas para el mercado. *Rev. de Agr. y Com. [Panama]* 3(28): 20-21. Dec. 1943. 8 R3291
- 18258 SUÁREZ, P. A. El merrey [*Anacardium occidentale*] como materia prima de algun interés en la producción de aceites vegetales. *Agr. Venezolano* 8(89/90): 33-35. Sept./Oct. 1943. 9.95 Ag8



Ornamental Plants

- 18259 ALDEN, C. B. Planning and planting perennials. *Canad. Hort. & Home Mag. Floral Ed.* 67: 53, 63-65. Mar. 1944. 80 C16F
- 18260 ALLEN, R. C., and ASAI, G. N. Continued rose research at Cornell. *Amer. Rose Ann.* 1944:133-137. 81 Am31A
- 18261 BEILMANN, A. P. Boxwood in Missouri. *Mo. Bot. Gard. Bul.* 32: 56-65. Mar. 1944. 451 M69B
- 18262 BERRY, G. H. Gentians for autumn. *Alpine Gard. Soc. Quart. Bul.* 11: 220-231. Dec. 1943. 84 A16
- 18263 BIRKETT, EDGAR. The old pink moss rose. *Amer. Rose Ann.* 1944: 43-45. 81 Am31A
- 18264 BLACKBURN, BEN. Magnolias as garden shrubs. *Horticulture* 22: 97-98. Mar. 1, 1944. 80 H787
- 18265 \*BODENMULLER, M. Neue Lorraine-begonie Westfalenland. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 224. Sept. 17, 1943. 80 G196
- 18266 BOND, A.P. A tyro - the first three years [as an alpine gardener]. *Alpine Gard. Soc. Quart. Bul.* 11: 231-236. Dec. 1943. 84 A16
- 18267 BROWN, J. R. Window leaves of *Haworthia maughani* and *H. truncata*. *Desert Plant Life* 16: 12. Jan. 1944. 450 D45
- 18268 \*BURKERT, H. Eine hübsche Kaukasuslilie. *Deut. Gart.* 58: 64. June 1943. 80 P883
- Lilium monadelphum szovitzianum.*
- 18269 \*BUROW, Neues in strahlenförmigen chrysanthemen. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 260-261. Oct. 29, 1943. 80 G196
- 18270 BUXTON, B. R. Simple propagating methods [for ornamental plants]. *Horticulture* 22: 138. Mar. 15, 1944. 80 H787
- 18271 BUXTON, MRS. B. W. The curious *Ceropegia*. *Horticulture* 22: 109-110. Mar. 1, 1944. 80 H787
- 18272 CAVE, N. L. The naming of iris. *Amer. Iris Soc. Bul.* 92, p. 34-37. Feb. 1944. 81 Am39
- 18273 CHADWICK, L. C. Shade trees in post-war times. *N. J. Fed. Shade Tree Comm. Monthly Bul.* 16(8): 2; (9): 2-3; (10): 2. Aug.-Oct. 1943. 99.8 Sh1
- Also in *Arborist's News* 9: 17-19. Mar. 1944. 99.8 Ar14
- 18274 CLARK, A. M. Begonia Chials. *Begonian* 11: 278-279. Mar. 1944. 96.511 B39
- 18275 COLQUITT, MRS. ALVAH. A comparison of performance of tree and bush roses. *Amer. Rose Ann.* 1944: 69-70. 81 Am31A
- 18276 CONNORS, C.H. Handle them right and make them live. Pointers on spring planting of shrubs and trees. *Home Gard. [N.Y.]* 3(3): 27-29. Mar. 1944. 80 H756
- 18277 COOK, H. C. Some Primulas. *Alpine Gard. Soc. Quart. Bul.* 11: 202-211. Dec. 1943. 84 A16
- 18278 COOK, MRS. H. C. Steubenville, Ohio, rose-garden. *Amer. Rose Ann.* 1944: 15-16. 81 Am31A
- 18279 BAGULEY, N.G. Mainly of *Gentiana verna*. *Alpine Gard. Soc. Quart. Bul.* 11: 236. Dec. 1943. 84 A16
- 18280 CRAWFORD, DARRELL. The dazzling day-lilies. (To be cont.) Back to Eden 10(9): 1-2. Apr. 1944. 80 B12
- 18281 CROOK, H.C. The smaller penstemons. *Alpine Gard. Soc. Quart. Bul.* 11: 237. Dec. 1943. 84 A16
- 18282 DANIEL, R.W. Rooting cuttings [*Berberis bealei*]. *Alpine Gard. Soc. Quart. Bul.* 11: 239-240. Dec. 1943. 84 A16
- 18283 DARNELL, MRS. J. C. Gloxinia. Back to Eden 10(9): 3. Apr. 1944. 80 B12
- 18284 DAVIS, A. M. Bechtel's crab [*Malus ioensis plena*], on clonal stock. *Horticulture* 22: 133. Mar. 15, 1944. 80 H787
- 18285 DELWORTH, CECIL. Profit pitfalls in the production of chrysanthemums. *Chrysanthemum Soc. Amer. Bul.* 12: 3-6, processed. Feb. 1944. 81 C46B
- 18286 DEMPSEY, PAUL. Growing morning glory plants. *Horticulture* 22: 105. Mar. 1, 1944. 80 H787
- 18287 DOUGLAS, GEDDES. Prelude to pink iris. *Amer. Iris Soc. Bul.* 92, p. 38-49. Feb. 1944. 81 Am39
- 18288 DUNCOMB, MARY. Growing begonias in south-west Minnesota. *Begonian* 11: 285. Mar. 1944. 96.511 B39
- 18289 DUNKLE, M. B. Rex begonias and other rhizomatous forms, their propagation and culture. *Amer. Begonia Soc. Spec. Bul.* 3, 3d Rev., 8 p. Long Beach, Calif., n.d. 96.511 Am3
- 18290 DYCKMAN, H. P., WALKER, J. P., and DUNKLE, M. B. Fibrous begonias, their propagation and culture. *Amer. Begonia Soc. Spec. Bul.* 2, 4th Rev., 8 p. Long Beach, Calif., n.d. 96.511 Am3
- 18291 \*EISELT, M. *Populus alba bolleana*. *Blumen u. Pflanzenbau ver. mit Gartenwelt* 47: 262. Oct. 29, 1943. 80 G196
- 18292 EVANS, F. N. Sacramento municipal rose-gardens. *Amer. Rose Ann.* 1944: 20-21. 81 Am31A
- 18293 EVANS, MARY. Evergreens for foundations. *House and Gard. [Greenwich, Conn.]* 85(4): 69-71. Apr. 1944. 80 H81
- 18294 FARAUDD, L. Indrumari la cultura primulelor. *Hort. Românească* 17(11/12): 6-8. Nov./Dec. 1939. 80 R328
- Primulas.
- 18295 FOSTER, M. B. Lazy gardener's dream-come-true; more about bromeliads. *Home Gard. for South* 4: 24-25, 40. Feb. 1944. 80 H755
- 18296 FRANCO, C. M. Propagação de orquídeas por sementes. *Bragantia* 2: 249-257. July 1942. 102.5 B73Tb
- 18297 FREE, MONTAGUE. It's time to start some new house plants. *Home Gard. [N.Y.]* 3(3): 18-21. Mar. 1944. 80 H756
- 18298 FREE, MONTAGUE. The rose-garden at the Brooklyn Botanic Garden. *Amer. Rose Ann.* 1944: 9-11. 81 Am31A
- 18299 FRIEDMAN, MARTIN. Bulb growing in England as an American soldier sees it. *Florists Exch.* 102(13): 22, 48. Mar. 25, 1944. 80 F666
- 18300 GATKE, R. M. Success with the acid soil shrubs. *Northwest. Gard.* 11(2): 15-16, 21. Feb. 1944. 80 N813
- 18301 GILLIES, G. H. The rose-garden at the New York Botanical Garden. *Amer. Rose Ann.* 1944: 11-15. 81 Am31A
- 18302 GIRIDLIAN, J. N. *Sprekalia formosissima* ... Jacobean [*Aztec*] lily. *Home Gard. for South* 4: 32. Feb. 1944. 80 H755
- 18303 GIRIDLIAN, J. N. The unusual iris in southern California. *Amer. Iris Soc. Bul.* 92, p. 30-32. Feb. 1944. 81 Am39
- 18304 GOVAN, C. N. The Russian olive [*Elaeagnus angustifolia*]. *Gard. Club Amer. Bul.* 21, p. 38-39. Mar. 1944. 90.36 G16
- 18305 GRANT, J. A. Herbaceous borders on the northwest coast, with some suggestions for suitable shrubbery and other backgrounds. *Home Gard. [N. Y.]* 3(3): 63-65. Mar. 1944. 80 H756



- 18306 GREEVES-CARPENTER, C. F. Tree planting and maintenance. Canad. Hort. & Home Mag. Floral Ed. 67: 54-55. Mar. 1944. 80 C16F
- 18307 GRUENBAUM, M. C. Tuberous rooted begonias in Philadelphia. Begonian 11: 271, 282. Mar. 1944. 96.511 B39
- 18308 \*GRÜNERT. Kniphofia snowdenii. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 214. Sept. 3, 1943. 80 G196
- 18309 \*GRÜNERT, CHR. Ueber Chrysanthemum koreanum. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 261. Oct. 29, 1943. 80 G196
- 18310 \*HAGEMANN, H. Zwei neue Heliopsis. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 261-262. Oct. 29, 1943. 80 G196
- 18311 \*HAHN. Ausserste raumausnutzung - auch im zierpflanzenbau. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 222. Sept. 17, 1943. 80 G196
- 18312 \*HAHN. Auch die giebelwände jetzt ausnutzen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 211. Sept. 3, 1943. 80 G196
- 18313 \*HAHN. Dahlien-überwinterung in mieten - ein verfahren der Holländer. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 248-249. Oct. 15, 1943. 80 G196
- 18314 \*HAHN. Eine fahrbare tauchmöglichkeit für orchideen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 236. Oct. 1, 1943. 80 G196
- 18315 \*HAHN. Mignon-dahlien für beetbepflanzung zeitgemäss. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 248. Oct. 15, 1943. 80 G196
- 18316 \*HAHN. Neue schnitt-chrysanthemen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 250. Oct. 15, 1943. 80 G196
- 18317 \*HAHN, EUGEN. Kniffe bei der Helleborus-treiberei. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 258-259. Oct. 29, 1943. 80 G196
- 18318 \*HAHN, EUGEN. Unsere cyclamen-samenzucht in europäischer betrachtung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 217. Sept. 17, 1943. 80 G196
- 18319 \*HAHN, EUGEN. Veltheimien rationell durch zwiebelschuppen vermehrt. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 236. Oct. 1, 1943. 80 G196
- 18320 HAMBLIN, S. F. Miniature roses. Amer. Rose Ann. 1944: 59-62. 81 Am31A
- 18321 HAMBLIN, S. F. Swamp rose possibilities. Horticulture 22: 122. Mar. 15, 1944. 80 H787
- 18322 \*HARTMANN, GEORG. Freilandchrysanthemum Rosy Morn. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 214. Sept. 3, 1943. 80 G196
- 18323 HASTINGS, R. J. Bulb growing in British Columbia. Canad. Florist 39: 68. Mar. 5, 1944. 80 C163
- 18324 HELLINGS, M. L. A pink-flowered lavender. Horticulture 22: 139. Mar. 15, 1944. 80 H787
- 18325 HEUSSER, MRS. A. H. Incurable rose fever. Amer. Rose Ann. 1944: 3-8. 81 Am31A  
Success in rose cultivation learned the hard way.
- 18326 \*HEYDENREICH, KARL. Schöne magnolien für kleine gärten. Deut. Gart. 58: 45. Apr. 1943. 80 P883
- 18327 HILL, L. C. Planning an alpine garden in Wales. Alpine Gard. Soc. Quart. Bul. 11: 241-245. Dec. 1943. 84 A16
- 18328 HOUGH, H. B. Rugosa roses on Martha's Vineyard. Amer. Soc. Ann. 1944: 47-48. 81 Am31A
- 18329 HUTTON, S. B. Early spring in the rose garden. Success with Roses. 17: 4. Mar. 1944. 80 R72S
- 18330 IANSCHI, ADALBERT. Regina florilor [roses]. Hort. Românească 17(9/10): 17-19. Sept./Oct. 1939. 80 R328
- 18331 INGWERSEN, WILL. Just "very ordinary" alpine. Alpine Gard. Soc. Quart. Bul. 11: 212-217. Dec. 1943. 84 A16
- 18332 JACOBS, D. B. The Cleome Pink Queen. Horticulture 22: 110. Mar. 1, 1944. 80 H787
- 18333 JACOBUS, M. R. Rose seed germination and growing the young seedlings. Amer. Rose Ann. 1944: 86-88. 81 Am33A
- 18334 JENSEN, HOLGER. Modern teknik vid värtförädling med träd och buskar (Neue verfahren bei pflanzenveredlung von bäumen und sträuchern). K. Landbr. Akad. Tidskr. 82: 330-340. 1943. 104 Sw3
- 18335 \*KAPPERT, H. Arbeiten auf dem gebiete der blumen- und zierpflanzenzüchtung. Forschungsdienst, Sonderheft 16, p. 537-540. Berlin, 1942. 18 F772
- 18336 \*KAUFMANN, F. Das entknochen bei den chrysanthemen. Schweiz. Gart., No. 8, p. 218-219. Aug. 1943. 80 Sch93
- 18337 KEANE, W. H. "Gardens of the Allied Nations" theme of New England spring flower show... staged by the Massachusetts Horticultural Society. Florists Exch. 102(13): 11, 23. Mar. 25, 1944. 80 F666
- 18338 KEAYS, MRS. F. L. Some always dependable roses. Amer. Rose Ann. 1944: 37-42. 81 Am31A
- 18339 \*KIEBLER, C. Ginkgo biloba L. (Salisburia adiantifolia Sm.) Schweiz. Gart., No. 11, p. 290-291. Nov. 1943. 80 Sch93
- 18340 \*KLÜPPELBERG, E. Zur vermehrung und an-zucht von ziergräsern. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 238. Oct. 1, 1943. 80 G196
- 18341 \*KORDES, WILHELM. Erfahrungen mit floribundarosen. Gartenbau im Reich 24: 74, 77. July/Sept. 1943. 80 G199
- 18342 \*KRUG-KARLA, MORITZ. Blumen und zierpflanzen. Pelargonien-erfahrungen in sechs jahrzehnten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 210-211. Sept. 3, 1943. 80 G196
- 18343 LAMBERT, H. Tuberous begonias in Canada. Begonian 11: 276-277. Mar. 1944. 96.511 B39
- 18344 LAWRENCE, MRS. RUTH. Simplicity in [flower] arrangements. Minn. Hort. 72: 19-20, 31. Feb. 1944. 81 M66
- 18345 LEMMON, R. S. What it takes for a wild-flower garden. Home Gard. [N.Y.] 3(3): 72-73. Mar. 1944. 80 H756
- 18346 LESTER, F. E. The good forgotten Tea roses. Amer. Rose Ann. 1944: 71-75. 81 Am31A
- 18347 LEWIS, BERNARD. A rose is born; the story of the behind-the-scenes preparation of the Waves rose which was started six years ago. Crown 33(3): 22-23, 24. Mar. 1944. 389.9 C88
- 18348 LONDON, V. C. Rock plants from seed. Alpine Gard. Soc. Quart. Bul. 11: 218-220. Dec. 1943. 84 A16
- 18349 LONGLEY, L. E. New varieties of garden chrysanthemums. Minn. Hort. 72: 30-31. Feb. 1944. 81 M66
- 18350 LYNCH, P. J., SR. Modern own-root roses. Amer. Rose Ann. 1944: 57-58. 81 Am31A
- 18351 MCFARLAND, J. H. Choosing your own weeds. Horticulture 22: 111. Mar. 1, 1944. 80 H787  
Wild flowers for gardens.
- 18352 MCFARLAND, J. H. The story of Ophelia [rose]. Flower Grower 31: 143-144. Mar. 1944. 80 M72
- 18353 MACFARLANE, E. W. E. The rose and funde-mental research. Amer. Rose Ann. 1944: 141-145. 81 Am31A



- 18354 MARSHALL, W. T. This cactus hobby. Cactus and Succulent Jour. 16: 19-23. Feb. 1944. 451 C11
- 18355 MELADY, J. H. How to diagnose your lawn ills. Home Gard. [N.Y.] 3(3): 74-77. Mar. 1944. 80 H756
- 18356 MENZIES, R. H. Annals of an old [ornamental] garden. Calif. Hort. Soc. Jour. 5: 6-11. Jan. 1944. 81 C1293
- 18357 MEYER, FR. Neues in gladiolen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 224. Sept. 17, 1943. 80 G196
- 18358 MOIR, W. W. G. Your outdoor living room [garden planning]. Hawaii Farm and Home 7(3): 4-5. Mar. 1944. 25 H3191
- 18359 MONTGOMERY, JEANNE, and LAURIE, ALEX. The effect of certain environmental factors on the growth of Cattleya orchids. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 48-55. Jan./Feb. 1944. 100 Oh3S
- 18360 NEWBOLD, CHARLEY. Pointers on azalea culture. Canad. Florist 39: 74-75. Mar. 5, 1944. 80 C163
- 18361 NOYES, F. B. Notes on cacti out of doors. Part III. (To be cont.) Cactus and Succulent Jour. 16: 26. Feb. 1944. 451 C11
- 18362 O'NEAL, CONRAD. Self-seeding and rose breeding. Amer. Rose Ann. 1944: 89-92. 81 Am31A
- 18363 ORTLOFF, H. S. Face-lifting a foundation planting. Home Gard. [N.Y.] 3(3): 59-62. Mar. 1944. 80 H756
- Landscaping of home grounds.
- 18364 PENN, FRANK. Roses in New Zealand. Amer. Rose Ann. 1944: 129-132. 81 Am31A
- 18365 PESCOFF, E.E. Oaks - evergreen and useful. Stock and Land 34(4): 2. Jan. 26, 1944. 49 St63
- 18366 PFISTER, C. E. Tree roses. Amer. Rose Ann. 1944: 68-69. 81 Am31A
- 18367 PLATT, DAVID. Bulbs for this summer. Home Gard. [N.Y.] 3(3): 45-47. Mar. 1944. 80 H756
- 18368 POOL, RALPH. Rose-growing in Tidewater Virginia. Amer. Rose Ann. 1944: 35-36. 81 Am31A
- 18369 RATH, L. Rizinus, der wunderbaum. Deut. Gart. 58: 45. Apr. 1943. 80 P883
- Ricinus communis as ornamental annual.
- 18370 RAY, STEPHEN. Chrysanthemum [propagation] experiments at Ohio State University for 1943. Chrysanthemum Soc. Amer. Bul. 12: 13-15, processed. Feb. 1944. 81 C46B
- 18371 REINELT, FRANK. Primula polyantha (Part II). Begonian 11: 272, 282, 283. Mar. 1944. 96.511 B39
- 18372 RIES, V. H. Planting with foresight [trees and shrubs]. Horticulture 22: 123-124. Mar. 15, 1944. 80 H787
- 18373 ROGERS, A. E. T. Winter protection of standard roses. Amer. Rose Ann. 1944: 67-68. 81 Am31A
- 18374 ROSSE, M. R. Skunk cabbage--"resplendent pioneer." Nature Mag. 37: 185-186. Apr. 1944. 409.6 N214
- 18375 SCHADEL, W. Der weihnachtsstern [Euphorbia pulcherrima], seine kultur und verwendung. Schweiz. Gart., No. 6, p. 144-145. June 1943. 80 Sch93
- 18376 SCHMID, WILLY. Arabis alpina "Schneehaube." Schweiz. Gart., No. 1, p. 9. Jan. 20, 1943. 80 Sch93
- 18377 SCHMIDT, E. Der blumenzwiebel-einschlag. Einige hinweise. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 247. Oct. 15, 1943. 80 G196
- 18378 SCHMIDT, E. Carlina acaulis, die silberdistel, eine anspruchslose pflanze für den steingarten. Schweiz. Gart., No. 9, p. 227-228. Sept. 1943. 80 Sch93
- 18379 SCHMIDT, E. Hymenocallis calathina (syn. Ismene calathina). Schweiz. Gart., No. 9, p. 228-229. Sept. 1943. 80 Sch93
- 18380 SCHMIDT, E. Der neue Pacific-riesenrittersporn. Schweiz. Gart., No. 6, p. 141-142. June 1943. 80 Sch93
- 18381 SCHMIDT, E. Ein schöner frühsummerblüher der mehr beachtung verdient. Schweiz. Gart., No. 6, p. 142-143. June 1943. 80 Sch93
- Golden camomile.
- 18382 SCHÖYER, EDNA. Datura wrightii. Gard. Club Amer. Bul. 21, p. 23-24. Mar. 1944. 90.36 G16
- 18383 SCHREIBER, FRITZ. Pflanzensüchtung. Garten im Reich 24: 83-84. July/Sept. 1943. 80 G199
- In relation to ornamental plants.
- 18384 SCHROEDER. Schöne magnolien für kleine gärten. Deut. Gart. 58: 45. Apr. 1943. 80 P883
- Pruning magnolias.
- 18385 SCHWEIZER, TH. Wenn krautartige, gefülltblühende Paeonia albiflora sinensis hybrida nicht mehr blühen wollen. Schweiz. Gart., No. 5, p. 125. May 1943. 80 Sch93
- 18386 SCHWEIZER, TH. Zwei vergessene gute schattenpflanzen. Begonia discolor R. Br. - Begonia martiana L. K. et Otto. (B. diversifolia Graham) China. Schweiz. Gart., No. 2, p. 37. Feb. 1943. 80 Sch93
- 18387 SHEPHERD, R. E. Budding by an amateur. Amer. Rose Ann. 1944: 81-85. 81 Am31A
- Directions for budding and hybridizing roses.
- 18388 SMITH, M. S. Moonseed [Cocculus carolinus] in the South. Horticulture 22: 110. Mar. 1, 1944. 80 H787
- 18389 SORGE, S. M. Zweierlei blumenfenster. Schweiz. Gart., No. 11, p. 283-290. Nov. 1943. 80 Sch93
- 18390 SPAIN, R.L. Tree peonies. Home Gard. [N.Y.] 3(3): 8-10. Mar. 1944. 80 H756
- 18391 STEFFEK, E. F. Dutchman's breeches in shade. Horticulture 22: 140. Mar. 15, 1944. 80 H787
- 18392 STEWART, T. A. Australian roses. Amer. Rose Ann. 1944: 63-65. 81 Am31A
- 18393 STOCKING, C. H. Roses in war times. Calif. Hort. Soc. Jour. 5: 29-30. Jan. 1944. 81 C1293
- 18394 STUTZ, M. H. Oenothera missouriensis Sins. nachtkerzen. Schweiz. Gart., No. 3, p. 65. Mar. 1943. 80 Sch93
- 18395 STUTZ, M. H. Scabiosa caucasica, Bieb. Schweiz. Gart., No. 3, p. 65-55. Mar. 1943. 80 Sch93
- 18396 SWECKER, J. P. Comments on the Plant Patent Act. Amer. Rose Ann. 1944: 120-122. 81 Am31A
- 18397 TIEMANN, O. R. Seeds should not be wasted. Back to Eden 10(8): 1. Mar. 1944. 80 B12
- 18398 UNDERSTOCK symposium. Amer. Rose Ann. 1944: 163-174. 81 Am31A
- The best rose understocks, Contributions by R. C. Allen, Robert Pyle, C. H. Perkins, J. H. Lowrey, Mrs. G. L. Taber, J. C. Ratsek, G. J. Buck, J. A. Armstrong, C. H. Stocking, and A. J. Webster.
- 18399 VOSBURG, J. S. Plantly speaking - in the shade. [Viola odorata rosina.] Begonian 11: 283. Mar. 1944. 96.511 B39
- 18400 W., DE. Din dramele orchideelor. Hort. Românească 17(11/12): 8-11. Nov./Dec. 1939. 80 R328
- Orchids.
- 18401 WALTHER, OTTO. Saxifraga cochlearis auch als topfpflanze. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 226. Sept. 17, 1943. 80 G196



- 18402 WATKINS, J. V. Ground covers in Gulf Coast gardens. Home Gard. [N.Y.] 3(3): 86-88. Mar. 1944. 80 H756
- 18403 WATSON, D. B. The medical properties of the rose. Amer. Rose Ann. 1944: 29-33. 81 Am31A
- 18404 WESTON, T. A. Amaryllis [cultivation] problems. Horticulture 22: 98. Mar. 1, 1944. 90 H787
- 18405 WESTON, T. A. Keep your frames working [coldframes for ornamental plants]. Home Gard. [N.Y.] 3(3): 33-35. Mar. 1944. 80 H756
- 18406 \*WILDBOLZ, E. Der frauenschuh (Cyrtopodium calceolus). Schweiz. Gart., No. 8, p. 220-221. Aug. 1943. 80 Sch93
- 18407 WILEY, W. G. Exposition Park rose-garden, Los Angeles, California. Amer. Rose Ann. 1944: 16-20. 81 Am31A
- 18408 WILSON, H. V. P. Star magnolia, a March delight. Home Gard. [N.Y.] 3(3): 95-96. Mar. 1944. 80 H756
- 18409 WING, A. S. Flowers in wartime [Victory gardens]. Nature Mag. 37: 151-153. Mar. 1944. 409.6 N214
- 18410 WOLFF, W. H. Good points of Formosa lilies. Horticulture 22: 134. Mar. 15, 1944. 80 H787
- 18411 WOOD, C. W. Variety in the perennial nursery. (To be cont.) Amer. Nurseryman 79(6): 22-24. Mar. 15, 1944. 80 Am371
- 18412 WRIGHT, P. H. Caragena [recommended as a hedge plant] for all Canada. Canad. Hort. & Home Mag. Floral Ed. 67: 45-46. Mar. 1944. 80 G16F
- 18413 WRIGHT, P. H. Rosa suffulta as a parent. Amer. Rose Ann. 1944: 76-78. 81 Am31A
- Small Fruits
- 18414 \*BERGER, FRIEDRICH. Der fruchtholzschnitt an johannis- und stachelbeeren. Schweiz. Gart., No. 6, p. 153-157; No. 7, p. 187-191; No. 8, p. 206-212. June-Aug. 1943. 80 Sch93
- 18415 CHANDLER, F. B., and MASON, I. C. Pruning of low-bush blueberries. Amer. Soc. Hort. Sci. Proc. 43: 173-174. Nov. 1943. 81 Sol2
- 18416 COOK, J. H. My experience with berries. Farm and Ranch 63(3): 20. Mar. 1944. 6 F31
- 18417 FERRAZ DO AMARAL, J. Niagara e outras variedades. Safras de uvas de Novembro a Abril. Biológico 8: 158-160. June 1942. 442.8 B529
- 18418 \*GLAUSCH, R. Der anbau von johannisbeeren. Ztschr. f. Obst- Wein- u. Gartenbau 69: 66-67. Aug. 1, 1943. 80 Z3
- 18419 \*GÖNENÇER, NECATI. Bağcılık [viticulture], Turkey. Ziraat Vekâleti Neşriyat. U. Sayı 558, 63 p. Ankara, 1943. 25 T842
- 18420 \*GRÜNERT, C. Zuchtziele bei erdbeeren früher und heute. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 220-221. Sept. 17, 1943. 80 G196
- 18421 \*HUSFELD, B. Forschungsziele und ergebnisse im weinbau unter besonderer berücksichtigung der rebenzüchtung. Forschungsdienst, Sonderheft 16, p. 519-524. Berlin, 1942. 18 F772
- 18422 \*JAENISCH, W. Vereinfachung bei brombeeren. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 263. Oct. 29, 1943. 80 G196
- 18423 JEFFERS, W. F., and DARROW, G. M. The red-stele-resistant Temple strawberry. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 43-44. 81 P37
- 18424 \*JORDAN, E. Erdbeeranbau. Ztschr. f. Obst- Wein- u. Gartenbau 69: 69-71. Aug. 1, 1943. 80 Z3
- 18425 \*KOBEL, F., and SCHÜTZ, F. Erdbeer-neuzüchtung der Eidg. Versuchsanstalt Wädenswil. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 483-485. Aug. 28, 1943. 80 Sch9
- 18426 \*KUHNEL, G. Die erdbeere füllt die obst-lücke, deshalb müssen wir sie besonders pflegen. Reichtragende mütterpflanzen bürgen für guten nachwuchs. Deut. Gart. 58: 63. June 1943. 80 P883
- 18427 LATIMER, L. P. Small fruits for the farm and home garden. New England Homestead 117(5): 12, 14, 21. Mar. 11, 1944. 6 N442
- 18428 LOREE, R. E. Varieties and planting of small fruits and grapes. Hort. News 10: 27. Mar. 1944. 80 H7815
- 18429 MORROW, E. B. Fewer berries from renovated beds. Res. and Farming. Prog. Rpt. [N. C. Sta.] 2(1): 5-6. Jan. 1944. 100 N81R
- 18430 OLDHAM, C. H. New strawberries. Gard. Chron. 113: 77. Feb. 20, 1943. 80 G162
- 18431 O'ROURKE, F. L. Propagation of the Rabbit-eye blueberry. Amer. Nurseryman 79(6): 5-7. Mar. 15, 1944. 80 Am371
- 18432 \*REGEL, C. VON. Die peruvianische blasen-kirsche, eine wenig bekannte beerenpflanze. Schweiz. Gart., No. 4, p. 96-97. Apr. 1943. 80 Sch93
- Physalis peruviana.
- 18433 \*SCHRODER, A. Grauschimmelfäule der erdbeeren verhüten. Deut. Gart. 58: 63. June 1943. 80 P883
- 18434 \*SCHÜTZ, FR., and KOBEL, F. Erdbeer-neuzüchtung der Eidg. Versuchsanstalt Wädenswil. Schweiz. Gart., No. 9, p. 244-245. Sept. 1943. 80 Sch93
- 18435 \*SCHUSTER, L. Die bedeutung der forschung auf dem gebiete des weinbaues und der weinkellerwirtschaft. Forschungsdienst, Sonderheft 16, p. 517-519. Berlin, 1942. 18 F772
- 18436 \*SEYFARTH, W. Beerenobst reichlich wässern. Deut. Gart. 58: 55. May 1943. 80 P883
- 18437 SHANNON, BETTY. Let's make a strawberry patch. Home Gard. [N.Y.] 3(3): 30-32. Mar. 1944. 80 H756
- 18438 SHEWELL-COOPER, W. E. Will the new raspberries solve the problem? Field 183: 152. Feb. 5, 1944. 10 F45
- 18439 SLATE, G. L. A second report on the best parents in strawberry breeding. Amer. Soc. Hort. Sci. Proc. 43: 175-179. Nov. 1943. 81 Sol2
- 18440 \*STELLWAAG, F. Arbeiten und aufgaben aus der arbeitsgruppe "Weinbau." Forschungsdienst, Sonderheft 16, p. 506-517. Berlin, 1942. 18 F772
- 18441 STEUK, W. K. The growing of American grapes. Amer. Fruit Grower 64(3): 7, 22, 34. Mar. 1944. 80 G85
- 18442 SYDENHAM, F. Cultivation of the Chinese gooseberry [Actinidia chinensis]. New Zeal. Jour. Agr. 68: 111-113. Feb. 15, 1944. 23 N48J
- 18443 TAYLOR, G. C. Bush fruits. Country Life [London] 94: 1084-1085. Dec. 17, 1943. 80 G83
- 18444 WALDO, G. F., and DARROW, G. M. Red raspberry breeding in Oregon. Amer. Soc. Hort. Sci. Proc. 43: 169-172. Nov. 1943. 81 Sol2
- 18445 \*WELCHERT. Erweiterung des erdbeeranbaues ist notwendig! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 339. June 19, 1943. 18 Sa9
- 18446 \*WELCHERT. Die verbesserung der obstversorgung durch beerenobstanbau. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 592. Nov. 13, 1943. 18 Sa9
- 18447 WELLINGTON, RICHARD. Experimental work with grapes in N. Y. State during 1943; sturdiness of Concord grape again proven in difficult year of '43. Grape Belt and Chautauqua Farmer 50(18): 1, 8. Mar. 3, 1944. 110 G76



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- 18448 \*AMARAL, V. S. G. DO. O problema da batata-semente em Portugal. (To be cont.) Portugal. Junta Nac. das Frutas Bol. 3(8): 10-16. July 1943. 286.3939 P83
- 18449 ASPERTI NAVARRO, GUIDO. El cultivo de la cebolla. Agr. Venezolano 8(89/90): 16-17. Sept./Oct. 1943. 9.95 Ag8
- 18450 BARRONS, K. C. Head lettuce variety trials in 1942. Mich. Muck Farmers Assoc. Proc. (1943) 25: 18-19. 4 M5813
- 18451 BINKLEY, A. M., and SPARKS, W. C. Station breeding onions for resistance to insects, purple blotch, and pink root. Colo. Farm Bul. 6(2): 8-11. Mar./Apr. 1944. 100 C71S
- 18452 BOWER, HELEN, and ELLIOT, JEAN. Share-cropping in the suburbs [cooperative Victory garden]. Forecast 60(3): 22-23, 48, 50, 52. Mar. 1944. 321.8 F76
- 18453 BOWERS, J. L. The effect of spacing and number of plants per hill on the yield of eleven sweet corn hybrids. Amer. Soc. Hort. Sci. Proc. 43: 275-277. Nov. 1943. 81 Sol2
- 18454 BOWSER, PERRY. Perennial vegetables in farm gardens [asparagus and rhubarb]. Hort. News 10: 25. Mar. 1944. 80 H781S
- 18455 BOYD, W. I. The asparagus seed and variety situation. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 119-120. 81 P37
- 18456 \*BRESCHKE, and SCHMIDT. Fruchtfolgen im Gemüsebau. Forschungsdienst, Sonderheft 16, p. 61-69. Berlin, 1942. 18 F772
- 18457 BRIEGER, F. G., and GURGEL, J. T. A. Seleção e produção de sementes em hortaliças. Bragança 2: 449-480. Nov. 1943. 102.5 B73Tb
- English summary.
- 18458 BURDETT, J. H. What home gardens contributed to food supply. Victory gardens had half of all vegetables. Seed Trade News 42(11): 4. Mar. 15, 1944. 61.8 Se3
- 18459 BURTON, A. M. Cultivo de legumbres en las tierras bajas tropicales. Co. Administradora del Guano Bol. 20: 1-17. Jan. 1944. 57.9 C73B
- 18460 CALZADA B., JOSÉ. Influencia del clima sobre el cultivo de la papa en los valles de Lima y pronósticos de cosecha. Agronomía [Peru] 8(34): 45-55. Dec. 1943. 9.8 Ag83
- 18461 CHAZE, JEAN. Essais de production de la truffe à partir des cultures pures de son mycélium. Paris. Acad. des Sci. Compt. Rend. 216: 742-744. 1943. 505 P21
- 18462 CLARK, T. E. Sprouts for northern gardens. The results of a trial last year of a selection of leading varieties [of Brussels sprouts]. Gard. Illus. 64: 295. Mar. 1944. 80 G169
- 18463 CLUTE, W. N. An ancient pot-herb returns. Amer. Bot. 50: 3-5. Jan. 1944. 450 Am33
- Lambsquarters (Chenopodium album).
- 18464 COCHRAN, H. L. Effect of stage of fruit maturity at time of harvest and method of drying on the germination of pimiento seed. Amer. Soc. Hort. Sci. Proc. 43: 229-234. Nov. 1943. 81 Sol2
- 18465 COULTER, F. C. More and better beans. Horticulture 22: 101. Mar. 1, 1944. 80 H787
- 18466 CULPEPPER, C. W., CALDWELL, J. S., and LOMBARD, P. M. Comparative studies of varieties of certain vegetables for dehydration. Amer. Soc. Hort. Sci. Proc. 43: 210-218. Nov. 1943. 81 Sol2
- 18467 DAVIS, M. P. Shallot, unicorn plant, summin, scorzenera, skirret and witloof are vegetables that put variety in the Victory garden. Nature Mag. 37: 135-136, 162. Mar. 1944. 409.6 N214
- 18468 DEMPSEY, P. W. Getting an early start... Victory vegetable gardens. Horticulture 22: 129. Mar. 15, 1944. 80 H787
- 18469 DEMPSEY, P. W. Lettuce in the home garden. New England Homestead 117(5): 8. Mar. 11, 1944. 6 N442
- 18470 DETJEN, L. R. The influence of the root-stock on seeds and on seedling progenies of tomato grafts. Amer. Soc. Hort. Sci. Proc. 43: 147-148. Nov. 1943. 81 Sol2
- 18471 DREWES, HARM. Some worthwhile new varieties of vegetables. Mich. Muck Farmers Assoc. Proc. (1943) 25: 21-23. 4 M5813
- 18472 DURHAM, G. B. More, better [vegetable] gardens needed. Better Rural Life 5(3): 1, 4. Mar. 1944. 275.29 R34B
- 18473 EDGEcombe, S. W. Basic principles in Victory gardening. Canad. Hort. & Home Mag. Floral Ed. 67: 56. Mar. 1944. 80 C16F
- 18474 EDMOND, J. B. The effect of exposure to low temperatures on plant production of the Porto Rico sweetpotato. Amer. Soc. Hort. Sci. Proc. 43: 259-261. Nov. 1943. 81 Sol2
- 18475 EDMOND, J. B., and DUNKELBERG, G. H. The influence of "crowded" bedding of roots on plant production of the Porto Rico sweetpotato. Amer. Soc. Hort. Sci. 43: 246-248. Nov. 1943. 81 Sol2
- 18476 FIRE. DEPT. OF AGRICULTURE. Economy in the use of root [vegetable] seeds. Fire. Dept. Agr. Spec. Leaflet 17, 2 p. Dublin, 1941. 10.5 Ir42S
- 18477 FIRE. DEPT. OF AGRICULTURE. Production of root and vegetable seeds. Fire. Dept. Agr. Spec. Leaflet 15, 4 p. Dublin, 1941. 10.5 Ir42S
- 18478 EVERETT, T. H. Short season Victory gardens. Home Gard. [N.Y.] 3(3): 11-13. Mar. 1944. 80 H756
- 18479 FAIRCHILD, DAVID. Talinum, a summer vegetable for Florida. Fla. State Hort. Soc. Proc. (1943) 56: 187-190. 81 F66
- 18480 FOOD garden. Life 16(13): 72-75. Mar. 27, 1944. 280.8 L62
- Illustrations, partly colored, of vegetable varieties, insects, diseases, and weeds, with explanatory text.
- 18481 FORSYTH, GORDON. How to make sure of strong vegetable seedlings. Pop. Gard. 45: 425. Feb. 26, 1944. 80 G1622
- 18482 \*FREITAG, H. Reihensaat ergibt auch bei spinat grössere erträge. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 210. Sept. 3, 1943. 80 G196
- 18483 \*FUCHS, W. H. Aussaatfragen bei gemüsesorten. Tech. in der Landw. 24: 132-135. Sept. 1943. 58.8 T22
- 18484 FUJIMOTO, HIROSHI. Dry-land-grown wet-land taro. Hawaii Farm and Home 7(3): 9. Mar. 1944. 25 H3191
- 18485 \*GASSER, FELIX. Pflege der spargelbeete während der stechzeit. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 289. May 22, 1943. 18 Sa9
- 18486 GREEN, H. B. Salad crop without soil [watercress]. Farmer & Stock-Breeder 58: 309. Feb. 22, 1944. 10 F228
- 18487 GREGG, O. I. Try these vegetables in your flower garden. Hort. News 10: 19. Mar. 1944. 80 H781S
- 18488 GREGORY, P. H. Early planting for increased potato yields. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 557-559. Mar. 1944. 10 G79J
- 18489 \*HAHN. Auch der Porree gehört in den einschlag. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 219-220. Sept. 17, 1943. 80 G196
- 18490 \*HAHN. Jetzt sellerie für die suppengrün gewinnung aussäen! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 234. Oct. 1, 1943. 80 G196
- 18491 \*HAHN. Tomaten unter glas nach eigener kulturmethode. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 245. Oct. 15, 1943. 80 G196



- 18492 \*HAHN. Winterendivien unter glas - als folgekultur für gurken und tomaten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 220. Sept. 17, 1943. 80 G196
- 18493 \*HAHN, EUGEN. Ein anbauzentrum für blumenkohl. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 206-208. Sept. 3, 1943. 80 G196
- 18494 HARRINGTON, LYN. Mushrooms on your menu. Directions for growing. Canad. Hort. & Home Mag. Growers' Ed. 67: 58. Mar. 1944. 80 C16
- 18495 HARRIS, HAROLD. Potatoes pay off on know how. Successful Farming 42: 22, 34-35. Jan. 1944. 6 Sul2
- 18496 HASTINGS, W.R. All-America vegetables for 1944. Gard. Gossip 19(3): 11. Mar. 1944. 80 G1625
- 18497 HEPLER, J.R. Onions. New England Homestead 117(5): 10. Mar. 11, 1944. 6 N442
- 18498 HIBON, JEAN. Comment tirer le meilleur parti des semences de pommes de terre qui nous viennent des États-Unis. Fruits et Primeurs de l'Afrique du Nord 14: 9-10. Jan. 1944. 80 P9482
- 18499 HOFFMAN, I. C. The adaptation of some plant breeding methods to greenhouse vegetable improvements. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 116, 118, 120, 122, 124. 75.9 Oh3
- 18500 INGALLS, N. M. Celery in home gardens. Horticulture 22: 141. Mar. 15, 1944. 80 H787
- 18501 INGALLS, N. M. The White Wonder cucumber. Horticulture 22: 129. Mar. 15, 1944. 80 H787
- 18502 ISBELL, C. L. Taking the "punk" out of southern pumpkins. Alabama's "Alagold" has abundance of sweet, firm flesh; is prolific and disease resistant. South. Seedsman 7(3): 11, 51. Mar. 1944. 61.8 So8
- 18503 JONES, L. K. Pea seed treatment means better yield. Wash. Farmer 69: 139. Mar. 16, 1944. 6 R151
- 18504 \*KAUFMANN, E. Der gemüsesamenanbau! Schweiz. Gart., No. 7, p. 191-193. July 1943. 80 Sh93
- 18505 KING, JAMES. To have the earliest potatoes. Canad. Hort. & Home Mag. Floral Ed. 67: 57. Mar. 1944. 80 C16F
- 18506 KRONE, P. R. Vegetable varieties recommended for Michigan. Hort. News 10: 16. Mar. 1944. 80 H7815
- 18507 LANDRY, BRUNO. Le climat et le sol en culture maraîchère. Bul. des Agr. 40(3): 15. Mar. 1944. 7 B872
- 18508 \*LAUCHE, KARL. Gemüse unter glas und im freien. Ueber den wasser- und nährstoffbedarf der tomaten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 206. Sept. 3, 1943. 80 G196
- 18509 LEACH, J. G. Some problems in potato improvement: past and present. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 5-16. 75.9 Oh3
- 18510 \*LEMKE, M. Der einfluss des standortes auf menge und güte des mohrrüben-ertrages. Forschungsdienst, Sonderheft 16, p. 459-464. Berlin, 1942. 18 F772
- 18511 LOWENFELS, ALBERT. Sweet potatoes in up-north gardens. Home Gard. [N.Y.] 3(3): 56-58. Mar. 1944. 80 H756
- 18512 MCCUBBIN, E. N. Cabbage variety tests in the Hastings section. Fla. State Hort. Soc. Proc. (1943) 56: 177-182. 81 F66
- 18513 MCINTYRE, C. N. Field trials for varietal purity [of vegetables] and their place in seed control work. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 106-114. 75.9 Oh3
- 18514 MAGRUDER, ROY. Recent advances in the breeding and culture of lima beans. Ohio Veg. and Potato Growers Assoc. Proc. (1942) 27: 80-86. 75.9 Oh3
- 18515 MALTBY-CLARK, G. How to grow mushrooms. Gard. illus. 64: 290. Mar. 1944. 80 G169
- 18516 MANNS, T. F. Sweet potato seed bed management, seed and sprout treatment. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 74-84. 81 P37
- 18517 \*MARTINI. Eigene kartoffelpflanzgutgewinnung für 1944. Landesbauernschaft Württemb. Wchnbl. 110: 333. May 29, 1943. 18 W96
- 18518 \*MARTINI. Zur sortenfrage bei kartoffeln. Landesbauernschaft Württemb. Wchnbl. 110(44): 596. Oct. 30, 1943. 18 W96
- 18519 \*MARTINI. Zweckmässige zichorienpflege. Landesbauernschaft Württemb. Wchnbl. 110: 332. May 29, 1943. 18 W96
- 18520 \*MED, C. Gemüse-einmietung für samenbau. Eine eigene methode. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 218-219. Sept. 17, 1943. 80 G196
- 18521 MOORE, E.G. 22 million Victory gardens. J.S. Bur. Agr. Econ. Agr. Situation 28(2): 20-22. Feb. 1944. 1 Ec7Ag
- 18522 MUELLO, A. C. La berenjena. Pampa Argentina 18(197): 23. Jan. 1944. 9 P19
- 18523 MURRAY, H. R. Planning the vegetable garden. Macdonald Col. Jour. 4(6): 6-7. Feb. 1944. 101 M144
- 18524 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Varieties of potatoes. Natl. Inst. Agr. Bot. Farmers' Leaflet 3, 6 p. Cambridge, England, 1944. 103 N21F
- 18525 \*NICOLAISEN. Hacken und wässern beim gemüsebau. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 277-278. May 15, 1943. 18 Sa9
- 18526 \*NICOLAISEN. Die heranzucht von blumenkohl. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 300-301. May 29, 1943. 18 Sa9
- 18527 \*NICOLAISEN, N. Die pflege der kohlfelder in den sommermonaten. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 338-339. June 19, 1943. 18 Sa9
- 18528 NIVEN, I. A. Growing onions in the Panhandle. Prog. Farmer, Tex. Ed. 59(4): 25. Apr. 1944. 6 T311
- 18529 \*NOELL, G. Über die wirkung unregelmässiger pflanzenabstände in der reihe auf den ertrag zweier kartoffelsorten. Tech. in der Landw. 24: 102-105. July 1943. 58.8 T22
- 18530 \*OHLER. Zuckermais einmal versuchen. Deut. Gart. 58: 48. Apr. 1943. 80 P883
- 18531 PARKER, M. M. Cultural and varietal studies with fall crop potatoes in eastern Virginia. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 102-108. 81 P37
- 18532 \*PARSCHE, FRIEDRICH. Feldgemüsebau in der Saveniederung. Mitt. f. die Landw. 56: 558-559. July 10, 1943. 18 D48M
- 18533 PORTE, W.S. Choosing best tomato for your particular requirement. Market Growers Jour. 73: 76, 100, 102-103. Mar. 1944. 6 M34
- 18534 PORTER, D. R. Recent tomato research. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 91-102. 81 P37
- 18535 PURSEGLOVE, J. W. Some Uganda vegetables. Part II. East African Agr. Jour. 9: 98-101. Oct. 1943. 24 Ea74
- 18536 RALEIGH, G. J., and others. Tests with newer lettuce strains. Amer. Soc. Hort. Sci. Proc. 43: 185-186. Nov. 1943. 81 Sol2
- J.F. Harrington, R. Kunkel, and R.D. Sweet, joint authors.
- 18537 \*RATH, L. Porree für den winter und das frühjahr. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 246. Oct. 15, 1943. 80 G196



18538 \*RATH, L. Unsere rosenkohlsorten. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 258. Oct. 29, 1943. 80 G196

18539 REBOUR, H. L'approvisionnement de l'Algérie en semences potagères. Fruits et Primeurs de l'Afrique du Nord 13: 72-74. Apr. 1943. 80 F9482

18540 REBOUR, H. L'intensification de la grande culture maraîchère. Rev. Agr. de l'Afrique du Nord 41: 190-191. Dec. 3, 1943. 80 R326

18541 ROCKWELL, F.F. First plantings in the vegetable garden. Home Gard. [N.Y.] 3(3): 22-23. Mar. 1944. 80 H756

18542 ROCKWELL, F. F. Peas and beans. Home Gard. [N.Y.] 3(3): 50-53. Mar. 1944. 80 H756

18543 \*SCHMIDT, E. Auch der chineserkohl lässt sich einwintern. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 256. Oct. 29, 1943. 80 G196

18544 \*SCHMIDT, E. Nicht in der größe, sondern in der festigkeit liegt die güte des einzuwinternenden kohles. Schweiz. Gart., No. 10, p. 266-267. Oct. 1943. 80 Sch93

18545 \*SCHUPHAN, W. Die winterheckenzwiebel [Allium fistulosum]. Mitt. f. die Landw. 58: 666. Aug. 14, 1943. 18 D48M

18546 SNYDER, L. C. Plan now for your vegetable garden this summer. N. and S. Dak. Hort. 17: 46, 47. Mar. 15, 1944. 81 N817

18547 STEINBAUER, C. E., HOFFMAN, G. P., and EDMOND, J. B. Why are single plant yields of sweetpotato highly variable within plots? Amer. Soc. Hort. Sci. Proc. 43: 249-254. Nov. 1943. 81 Sol2

18548 \*STELZNER, GERHARD. Ueber die fertilitätsverhältnisse bei bastardierungen zwischen der frostfesten wild-kartoffel Solanum acaule Bitt. und der kulturkartoffel Solanum tuberosum L. Züchter 15: 143-144. July/Sept. 1943. 442.8 Z8

18549 \*STEYSKAL, FRANZ. Umstellung in der Südmark. - Auch der gemüsesamenbau einbezogen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 242-243. Oct. 15, 1943. 80 G196

18550 \*TEPELMANN. Bohnen kann man in töpfen vorziehen. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18551 \*TEPELMANN. Für tomaten pflanzenlöcher vorbereiten. Deut. Gart. 58: 48. Apr. 1943. 80 P883

18552 \*TEPELMANN. Wir ernten verschiedene gemüse von einem beet. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18553 \*THIELE, K. P. Jetzt schnittlauch zum treiben einpflanzen! Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 256. Oct. 29, 1943. 80 G196

18554 \*THIELEBEIN. Frühkartoffelpflanzgut aus eigenem betrieb. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 337. June 19, 1943. 18 Sa9

18555 \*THIEM. Empfindliche gemüsepflanzen vor frost schützen. Deut. Gart. 58: 47. Apr. 1943. 80 P883

18556 \*THIEM. Die spargelernte hat begonnen. Deut. Gart. 58: 54. May 1943. 80 P883

18557 \*THIEM. Vom giessen und wässern im gemüse garten. Deut. Gart. 58: 60. June 1943. 80 P883

18558 THONE, FRANK. Seed-catalog [Victory] gardening. Sci. News Letter 45: 154-155. Mar. 4, 1944. 470 Sci24

18559 TOMALIN, T.E. Grow really good celery. Pop. Gard. 45: 423. Feb. 26, 1944. 80 G1622

18560 TOMALIN, T. E. Sowing time for vegetables is here again. Pop. Gard. 46: 3. Mar. 4, 1944. 80 G1622

18561 TUSSING, E. B. Some keys to spud goal. Ohio Farmer. 193(6): 11. Mar. 18, 1944. 6 Oh3

18562 VINCENT, C.L. Seed from the home [vegetable] garden questionable. Wash. Farmer 69(5): 15. Mar. 2, 1944. 6 R151

18563 WADE, B. L. Green bean varieties for southern planting. South. Canner & Packer 5(2): 14. Feb. 15, 1944. 389.8 So82

18564 WADE, B. L. An improvement in bean crossing technique. Amer. Soc. Hort. Sci. Proc. 43: 187-188. Nov. 1943. 81 Sol2

18565 WADE, B. L., and KANAPAU, M. S. Yields of hardy snap bean strains. Amer. Soc. Hort. Sci. Proc. 43: 239-245. Nov. 1943. 81 Sol2

18566 \*WAGNER, MAX. Planmässiger pflanzgut wechsel, der motor des kartoffelbaues. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 540. Oct. 16, 1943. 18 Sa9

18567 WICKARD, C. R. Plans for Victory gardens during 1944. Seed Trade News 42(9): 16. Mar. 1, 1944. 61.8 Se3

Also, with title: More and bigger Victory gardens for 1944, in Seed World 55(6): 14. Mar. 17, 1944. 61.8 Se52

18568 WILLS, N. R. Sydney's vegetables; how gardens hug city market. Country Life [Sydney] 55(32): 3. Feb. 4, 1944. 286.85 Sy2

The market-garden industry.

18569 \*WINKLER, P. Topinambur. Deut. Forst-wirt 25: 132. Apr. 9, 1943. 99.8 D483

18570 \*WIRTH. Höchsterträge durch mischkultur. Deut. Gart. 58: 53. May 1943. 80 P883

Mixed plantings of vegetables.

18571 \*WIRTH, A. Gemüse-mehrerträge durch richtige wassergaben. Alte erkenntnisse vom giessen wissenschaftlich begründet. Gartenbau im Reich 24: 79-80. July/Sept. 1943. 80 G199

18572 WRIGHT, R. E. Three steps to improved sweet potatoes [selection, nicking, and disinfection]. Farm and Ranch 63(3): 17. Mar. 1944. 6 F31

18573 YEAGER, A. F. The characteristics of crosses between botanical varieties of cabbage, Brassica oleracea. Amer. Soc. Hort. Sci. Proc. 43: 199-200. Nov. 1943. 81 Sol2

18574 \*ZYCHA, H. Die champignonbrut. Forschungsdienst, Sonderheft 16, p. 467-472. Berlin, 1942. 18 F772

#### MISCELLANEOUS ECONOMIC PLANTS

##### General

18575 ALFARO, ANASTASIO. Plantas melíferas. Costa Rica. Inst. de Defensa del Café Rev. 14: 90-91. Jan. 1944. 68.28 C82

18576 ALVARENGA, LEONIDAS. El café de El Salvador. Café de El Salvador 14: 301. Jan. 1944. 68.28 C112

History of the coffee of El Salvador.

18577 ATHERTON, A. R. Bees for pollination in orchards of southwestern Michigan. Beekeepers' Mag. 6(5): 12. Dec. 1943. 424.8 M58

18578 BEIRNAERT, A., and VANNECK, C. Une contribution à la sélection de l'Elaeis guineensis J. Est-il possible de distinguer des plantules de pisifera dans un mélange de plantules des trois types? Bul. Agr. du Congo Belge 34: 217-225. Sept./Dec. 1942. 24 K83

18579 CADDY, E. R. Winter quail foods on abandoned farm lands in Norris Reservoir area. Tenn. Acad. Sci. Jour. 19: 10-15. Jan. 1944. 500 T25A

Also in Reelfoot Lake Biol. Sta. Rpt. 8: 10-13. Jan. 1944. 442.9 R25

18580 CALVERT, JAMES. New honey plants under test. Amer. Bee Jour. 84: 13. Jan. 1944. 424.8 Am3



- 18581 CASARRUBIA, ANTONIO. Datos generales sobre cultivo de maíz de Guinea o sorgo de escobas. Chacra 14(159): 38. Jan. 1944. 9 C34
- 18582 COELHO, CLOVIS. Sinonímia das mandiôcas e macacheiras brasileiras. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10, p. 85-91. Mar. 1943. 9.2 P432
- 18583 DELF, E. M. Fluctuations in seaweed. Nature [London], 153: 223-224. Feb. 19, 1944. 472 N21
- Variability of sources of supply.
- 18584 GATTEFOSSÉ, J. Le lupin jaune, succédané du café. Fruits et Primeurs de l'Afrique du Nord 13: 122-123. June 1943. 80 F9482
- 18585 \*GATTEFOSSÉ, JEAN. La mousse du thêne du Maroc et ses emplois. Fruits et Primeurs de l'Afrique du Nord 13: 219-220. Dec. 1943. 30 F9482
- 18586 GUTIERREZ, MELQUIZO. La yuca, su cultivo y aprovechamiento en el E. del Pará. Rev. Nac. de Agr. [Bogotá] 37(474): 14-15, 39. Dec. 1943. 9.4 R32
- 18587 HARRISON, G. J. Growing pyrethrum. Calif. Cult. 91: 126-127. Mar. 4, 1944. 6 C12
- 18588 HERMANN, F. J. Rotenone. (Concl.) Chemurg. Digest 3: 50-52. Feb. 15, 1944. 381 N213Na
- 18589 KILLION, C. E. Our honey plants. Amer. Bee Jour. 84: 50-51. Feb. 1944. 424.8 Am3
- 18590 \*KLEINLEIN, FR. Von der pappel. Bayer. Biene 64: 173. Nov. 1942. 424.8 B34
- Poplar as a honey plant.
- 18591 \*KNOLL, and MÜLLER, L. Soll man den mohn verziehen oder verackern? Landesbauernschaft Sachsen. Wchnbl. 91: 245. May 22, 1943. 18 Sal
- 18592 \*KOSLOSKA, W. Landwirtschaftlicher aufbauplan 1943 und bienenwirtschaft. Preuss. Bienen Ztg. 89: 54-56. Aug. 1943. 424.8 P92
- The national policy to increase production of fats, protein, and fiber and its relation to honey plants.
- 18593 \*KRÜGER, MAX. Die rosskastanie [Aesculus hippocastaneum], und ihre verwendung. Deut. Heilpflanze, Oct. 1943, p. 39-40; Nov. 1943, p. 43-44. Bound with Deut. Apoth. Ztg., v. 58, No. 53/54, 57/58. 396.8 Ap4
- 18594 \*KRÜSSMANN, G. Merkwürdiges vom speierling. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 249-250. Oct. 15, 1943. 80 G196
- Scorbus domestica.
- 18595 \*LEIN, FRITZ. Heckensträucher für den imkergarten. Bayer. Biene 64: 170-172. Nov. 1942. 424.8 B34
- 18596 LEON, JORGE. El jaíl [Alnus acuminata]. Rev. de Agr. [Costa Rica] 15: 460-461. Oct. 1943. 8 Eal
- 18597 MARKLAND, L. K. Louisiana's lagniappe [Spanish moss] crop. New Orleans Port Rec. 2(5): 20-24. Jan. 1944. 286.8 N472
- 18598 MELLO, P. S. A escôlha das árvores de sombra. DNC; Rev. do Depto. Nac. do Café 11: 739-740. Nov. 1943. 286.83 D44
- Characteristics desired in shade trees for coffee.
- 18599 MENDES, AMANDO. A cultura racional da maniçoba (Manihot). Rev. Rural Bras. 23(280): 30-33. Dec. 1943. 9.2 B733
- 18600 MICHEL, L. Pratique de la culture du caféier arabica par les indigènes du Ruanda Nord. Bul. Agr. du Congo Belge 35: 109-121. Mar./Dec. 1943. 24 K83
- 18601 MILLE, PADRE L. El algarrobo. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 159-162. Sept. 1943. 451 Ec9
- 18602 MYER, SYDNEY. The season's hops. Inst. Brewing Jour. 50: 37-41. Jan./Feb. 1944. 390.9 In7
- 18603 NEUMANN, E. C. Flavors on the home front. Amer. Perfumer and Essential Oil Rev. 46(3): 59, 61. Mar. 1944. 308.8 Am3
- Plant sources.
- 18604 NÓBREGA, APOLÔNIO. O ouro-verde na terra de Iracema; traços biográficos do pioneiro do plantio do café no Ceará; a primeira lavoura. DNC; Rev. do Depto. Nac. do Café 11: 731-736. Nov. 1943. 286.83 D44
- Introduction of coffee into Ceará, Brazil.
- 18605 OLIVEIRA, A. P. DE. O ouricuri. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 225-227. Sept. 1942. 9.2 P432
- 18606 PANKIW, NICHOLAS. Milkweed as a nectar producer. West. Canada Beekeeper 7(3): 4. Mar. 1944. 424.8 W525
- 18607 \*PATEL, B. S., and PATEL, K. R. Tondali [Coccinia cordifolia], cultivation in Poona. Indian Farming 4: 239-242. May 1943. 22 In283
- 18608 PELLETT, F. C. Notes from the honey plant garden. Ill. State Beekeepers' Assoc. Ann. Rpt. (1941/42) 51 (i.e. 41): 73-80. 424.9 I16
- 18609 POERCK, R. DE. Comment expliquer les disjonctions anormales de certains tenera? Bul. Agr. du Congo Belge 34: 206-216. Sept./Dec. 1942. 24 K83
- Strains of *Elaeis guineensis*.
- 18610 PYE, BLUNDELL. English-grown anise hyssop [Agastache]. Brit. Bee Jour. 62: 28. Feb. 3, 1944. 424.8 B77
- 18611 RAMOS, J. I. Uma nova planta com rotenona "cinga de Macaco" *Calopogonium vellutium* Benth. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 298-299. Sept. 1942. 9.2 P423
- 18612 RAYMENT, TARTLTON. Spring pollen plants in a coastal district of New South Wales. Australasian Beekeeper 45: 135-136. Jan. 1944. 424.8 Au72
- 18613 \*REBUHN, F. Japanische quitte der beste bee-ersatz. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 238. Oct. 1, 1943. 80 G196
- 18614 ROCHA, MARIANO DA. Mate verde chimarrão. Chacaras e Quintais 68: 712-713. Dec. 15, 1943. 9.2 C34
- 18615 \*ROSCH, E. Bienenweide-sorgen im Berner Seeland. Schweiz. Bienen Ztg. 66: 478-481. Nov. 1943. 424.8 Sch9
- Fruit trees as honey plants.
- 18616 SALMON, E. S. Twenty-sixth report on the trial of new varieties of hops, 1942. Inst. Brewing Jour. 50: 28-36. Jan./Feb. 1944. 390.9 In7
- 18617 \*SCHILLER, JOS. Ueber den trachtwert unserer nutzpflanzen. Bayer. Biene 64: 152-154. Oct. 1942. 424.8 B34
- Honey yield from useful plants.
- 18618 VANDERWEYEN, R. L'élimination des pisi-féra ou stériles dans les palmeraies issues de croisements Tenera X Tenera. Bul. Agr. du Congo Belge 33: 114-122. Mar./June 1942. 24 K83
- Elaeis guineensis*.
- 18619 VANDERWEYEN, R. Quelques directives pour l'établissement d'une palmeraie. Bul. Agr. du Congo Belge 35: 80-108. Mar./Dec. 1943. 24 K83
- Elaeis guineensis*.
- 18620 WESTWOOD, R. W. The palm that sweats wax. Nature Mag. 37: 132-134. Mar. 1944. 409.6 N214
- Carnauba palm, *Copernicia cerifera*.
- 18621 WYMAN, DONALD. Food plants in the Arnold Arboretum. Arnoldia 4: 1-8. Mar. 3, 1944. 451 Ar6Ba



Drug, Herb, and Condiment Plants

18622 RODGER, J. C. Growing caraway in California. *Chemurg. Digest* 3: 71-72. Mar. 15, 1944. 381 N213Na

18623 \*BOSHART, K. Der anbau der heil- und gewürzpflanzen. *Forschungsdienst, Sonderheft* 16, p. 543-549. Berlin, 1942. 18 F772

18624 BREWER, W. R., and LAURIE, ALEX. Culture studies of the drug plant, *Atropa belladonna*. *Chemurg. Digest* 3: 65-68. Feb. 29, 1944. 381 N213Na

18625 EURNET, I. N. Herbs. *Gard. Gossip* 19 (2): 9, 14. Feb. 1944. 80 G1625  
List of references on herb lore, culture and uses.  
18626 CHESLEY, C.H. Culinary herbs. *New England Homestead* 117(5): 2, 8. Mar. 11, 1944. 6 N442

18627 DAVIS, W. C. Pearl Harbor sent quinine home. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 43-45, 50. Mar. 1944. 1 F752A

18628 DUNCOMB, MRS. R. J. Growing herbs is easy. *Back to Eden* 10(9): 2-3. Apr. 1944. 80 B12

18629 GATTEFOSSE, JEAN. Le carvacrol médicinal. *Fruits et Primeurs de l'Afrique du Nord* 14: 8. Jan. 1944. 80 F9482

From *Origanum floribundum* in Algeria and *O. compactum* and *O. elongatum* in Morocco.

18630 GITTINGER, G. S. Chinchona and the Count Chinchon, a translation with supplementary notes. *Amer. Jour. Pharm. Ed.* 8: 34-41. Jan. 1944. 396.8 Am33

Translation of passages from "The introduction of the Quina in therapeutics" by Carlos Enriquez Paz Soldan, 1941, a second edition of "Tercianos del Conde de Chinchon," 1938.

18631 \*GRIEBEL, C. Über zwei afrikanische ersatzpfefferarten: paradieskörner und mohrenpfeffer (Kani). *Ztschr. f. Untersuch. der Lebensmitl.* 85: 426-436. May 1943. 384 Z39

*Anomum melegueta* and *Xylopia aethiopica*.

18632 GRIFFITH, IVOR. Importance of botanicals. *Drug & Cosmetic Indus.* 54: 164. Feb. 1944. 396.8 D842

Comments on the future of botanical drugs.

18633 HARMER, P. M. Experimental studies in peppermint production. *Mich. Muck Farmers' Assoc. Proc.* (1943) 25: 41-42, 44, 46. 4 M5813

18634 HEISER, CHARLES, JR. Quinine or malaria. *Mo. Bot. Gard. Bul.* 32: 33-40. Feb. 1944. 451 M69B  
History of the Cinchona tree and account of recent investigations.

18635 RODGE, W. H. Hunting Cinchona in the Peruvian Andes. *N. Y. Bot. Gard. Jour.* 45: 32-43. Feb. 1944. 451 N48J

18636 \*JARETZKY, R. Untersuchungen heimischer pflanzen auf ihre eignung als laxantien. *Deut. Heilpflanze, Aug.* 1943, p. 29-32; *Sept.* 1943, p. 33-34; *Oct.* 1943, p. 37-39. Bound with *Deut. Apoth. Ztg.*, v. 58, No. 45/46, 49/50, 53/54. 396.8 Ap4  
*Rhamnus frangula*, *R. catharticus*, *Euonymus europaeus*, and *Cuscuta europaea*.

18637 JIMENEZ, OTÓN. Nuestras plantas medicinales y sus posibilidades económicas. *Costa Rica. Inst. de Defensa del Café Rev.* 14: 121-124. Jan. 1944. 68.28 C82

18638 JOINER, MRS. R. F. Victory seasonings [culinary herbs]. *Hort. News* 10: -19. Mar. 1944. 80 H7815

18639 KOVAR, ANTONIO. Principales plantas medicinales de El Salvador. (To be cont.) *Café de El Salvador* 14: 311-318. Jan. 1944. 68.28 C112

18640 MOLDENKE, H. N. Strategic drug plants. *Amer. Mus. Nat. Hist., Nat. Hist.* 53: 132-138. Mar. 1944. 500 N483J

Strategic plants, No. VII.

18641 NELSON, RAY. Present status of wilt-resistant hybrid mints and plans for their further development. *Mich. Muck Farmers' Assoc. Proc.* (1943) 25: 38, 40. 4 M5813

18642 SIEVERS, A. F., and LOWMAN, M. S. Experiments on the growing of mydriatic drug plants. *Amer. Pharm. Assoc. Jour.* 33: 45-56. Feb. 1944. 396.9 Am33J

*Belladonna*, *henbane*, and *stramonium*.

18643 SMALL, JAMES. Sage. A pocket-lens study. *Food* 13: 43-46. Feb. 1944. 389.8 F738

18644 SMALL, JAMES. Thyme. A pocket-lens study. *Food* 13: 13-16. Jan. 1944. 389.8 F738

18645 STOFFELS, E. H. J. L'exploitation des plantations de *Cinchona ledgeriana*. *Bul. Agr. du Congo Belge* 35: 72-79. Mar./Dec. 1943. 24 K83

18646 TAYLOR, NORMAN. Come and expel the green pain. *Sci. Monthly* 58: 176-184. Mar. 1944. 470 Sci23

Historical account of the narcotic uses of *ololiuqui* (*Rivea corymbosa*) and *peyote* (*Lophophora williamsii*).

18647 \*VALENTIEN, OTTO. Zurück zur heimischen gewürz- und wildgemüsepflanze. *Gartenbau im Reich* 24: 77-78. July/Sept. 1943. 80 G199

Dye and Tannin Plants

18648 HERMANN, F. J. Wattle bark. *Chemurg. Digest* 3: 60-63, 72-73. Feb. 29, Mar. 15, 1944. 381 N213Na

18649 THURIAUX, L. Matières tannantes d'origine végétale au Katanga. *Bul. Agr. du Congo Belge* 34: 245-254. Sept./Dec. 1942. 24 K83

Rubber Plants

18650 ALLEN, P. H. The rubber country of Colombia. *Mo. Bot. Gard. Bul.* 32: 50-54. Feb. 1944. 451 M69B

18651 APPLE, S. B. Possibilities in the production of Russian dandelion *Taraxacum kok-saghyz*. *Mich. Muck Farmers Assoc. Proc.* (1943) 25: 10. 4 M5813

18652 BEIRNAERT, A. Over enkele eigenschappen van eenige meest bekende hevea-cloonen. *Bul. Agr. du Congo Belge* 34: 226-244. Sept./Dec. 1942. 24 K83

18653 INSTITUT NATIONAL POUR L'ÉTUDE AGRONOMIQUE DU CONGO BELGE. Résistance au vent des clones d'hévéa dans la région de Yangambi. *Bul. Agr. du Congo Belge* 32: 69-82. Mar./Dec. 1941. 24 K83

18654 LEE, J. A. Amazon Basin as a source of rubber. *Chem. & Metall. Engin.* 51: 140-142. Feb. 1944. 381 E12

18655 MARTIN, GEORGE. Competitive rubber plants. *Roy. Soc. Arts Jour.* 92: 146-155. Feb. 18, 1944. 501 L874J

18656 RUBBER RESEARCH SCHEME (CEYLON). Notes on budgrafting procedure [of Hevea]. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 1, rev., 6 p. Agalawatta, 1943. 78.9 R826

18657 RUBBER RESEARCH SCHEME (CEYLON). Planting and after-care of budded stumps and stumped buddings [of Hevea]. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 8, rev., 4 p. Agalawatta, 1943. 78.9 R826

18658 RUBBER RESEARCH SCHEME (CEYLON). Root disease [*Fomes lignosus*] in replanted areas. *Rubber Res. Scheme (Ceylon) Advisory Cir.* 10, Sup., 2 p. Agalawatta, 1943. 78.9 R826

Area interplanted with cassava which spreads the disease.

18659 SCHACHMEYER, CHRISTIAN. Contribution à l'étude de la variabilité de deux caractères principaux de l'hévéa cultivé. *Bul. Agr. du Congo Belge* 34: 182-205. Sept./Dec. 1942. 24 K83

Dutch summary.



- 18660 SCHERY, R. W. Some secondary rubbers in Ceará, Brazil. Mo. Bot. Gard. Bul. 32: 41-50. Feb. 1944. 451 M69B  
Ceará rubber plant and mangabeira.

#### Weeds and Poisonous Plants

- 18661 ALLAN, H. H. Dodder, its life history and methods of control. New Zeal. Jour. Agr. 68: 43, 45, 47. Jan. 15, 1944. 23 N48J
- 18662 CORNU, CH. Le pyrethre au Maroc. Fruits et Primeurs de l'Afrique du Nord 13: 94-95. May 1943. 80 F9482
- 18663 DEFANCE, J. A. The killing of weed seed in compost by the use of certain fertilizers and chemicals. Amer. Soc. Hort. Sci. Proc. 43: 336-342. Nov. 1943. 81 S012
- 18664 FENTON, E. W. Drainage spoil has its dangers. Farmer & Stock-Breeder 58: 329. Feb. 29, 1944. 10 F228  
Plants poisonous to livestock.
- 18665 FRICKE, E. F. White weed - *Lepidium draba* [*Cardaria draba*]. Tasmanian Jour. Agr. 14: 121-125. Nov. 1, 1943. 23 T182T
- 18666 GATTEFOSSE, JEAN. La scille ratorique marocaine. Fruits et Primeurs de l'Afrique du Nord 14: 11. Jan. 1944. 80 F9482
- 18667 GONZALEZ, GARCIA. Perjuicios que causa el nopal a la industria pecuaria. Chihuahua Ganad. 4 (38): 28-31. Feb. 1943. 43.8 C43
- 18668 \*HAHN, EUGEN. Fenchel-anbau in der Ostmark. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 232. Oct. 1, 1943. 80 G196
- 18669 \*HUKTER, KR. Pferdevergiftung durch Thuja. Deut. Landw. Tierzucht. 47: 180. Aug. 23, 1943. 49 D48
- 18670 \*HUBERT, K. Ackersenf u. hederichbekämpfung. Landesbauernschaft Sachsen-Anhalt. Wchnbl 101: 264. May 8, 1943. 18 Sa9
- 18671 MARSICO, D. F. La cuscuta. Buenos Aires (City) Bolsa de Cereales Rev. 31(1635): 5. Jan. 29, 1944. 287 B866
- 18672 PAREDES C., ALFREDO. El chamico. II. Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 37-56. Sept. 1943. 451 Ec9
- 18673 \*RADELMACHER, B. Untersuchungen über biologie und bekämpfung der unkräuter. Forschungsdienst Sonderheft 16, p. 330-333. Berlin, 1942. 18 F772
- 18674 RIMBACH, A. El ajo silvestre (*Nothoscordum inodorum*). Ecuador. Univ. Cent. Inst. Bot. 2(3/4): 74-85. Sept. 1943. 451 Ec9
- 18675 SAXBY, S. H. Weeds. New Zeal. Jour. Agr. 68: 9-12. Jan. 15, 1944. 23 N48J  
Perennial weeds.
- 18676 TIMSON, S. D. Prussic acid content of the giant star grasses (*Cynodon plectostachyum*) and of Kavirondo sorghum. Rhodesia Agr. Jour. 40: 371-373. Nov./Dec. 1943. 24 R34
- 18677 \*\*WRAAE-JENSEN, H. Ugrudtbekaempelse i frømarkerne [Weed control in seed fields]. Tidsskr. for Frøavl No. 369, p. 208-212. 1943.  
Abs. in Herbage Abs. 13: 343. Dec. 1943. 241 Im733

#### SOILS AND FERTILIZERS

##### SOIL SCIENCE

- 18678 CIGALES, JUAN DE. Las tierras preferibles. Ceres [Spain] 4(42): 21. Dec. 1939. 15 C33
- 18679 COMPTON, L. L. How to guess right about planting spring crop on abandoned wheat land. Kans. Farmer 81(5): 7. Mar. 4, 1944. 6 K13  
To fallow or plant a spring-sown crop depends upon the moisture in the soil.
- 18680 \*DEUTSCHER NORMENAUSCHUSS. Normblätter für landwirtschaftliche bodenuntersuchungen. Bodenk. u. Pflanzenernähr. 30: 329-342. 1943. 384 Z343A  
R. Herrmann, chairman.
- 18681 GONZALEZ, A. DE J. El suelo, como base de la agricultura. Vaqueros 4 (1/2): 9. Jan./Feb. 1944. 43.8 V41
- 18682 \*HERRMANN, R. Allgemeine untersuchungsmethodik und methodik der bodenuntersuchung. Forschungsdienst, Sonderheft 16, p. 79-87. Berlin, 1942. Ref. p. 84-87. 16 F772
- 18683 \*KUBIENA, W. Die dünnenschlifftechnik in der bodenuntersuchung. Forschungsdienst, Sonderheft 16, p. 91-97. Berlin, 1942. 18 F772
- 18684 ROMINE, D. S., and MCALLISTER, D. R. Soil laboratories cooperating on testing; how to take samples for test explained. Colo. Farm Bul. 6 (2): 3-5. Mar./Apr. 1944. 100 C718
- 18685 SANTILLAN, L. A., and HEREDIA LUNA, S. Tucuman - su suelo y su clima. Montevideo Univ. Facult. de Agron. Rev., No. 32, p. 33-71. May 1943. 102.5 M76R
- 18686 \*VILLAR, E. H. DEL. Bref exposé de mes travaux personnels intéressant la connaissance des sols méditerranéens. Fruits et Primeurs de l'Afrique du Nord 13: 76-77. Apr. 1943. 80 F9482

##### Soil Physics

- 18687 BROWNING, G. M., and MILAM, F. M. Effect of different types of organic materials and lime on soil aggregation. Soil Sci. 57: 91-106. Feb. 1944. 56.8 S03
- 18688 HUBERTY, M. R. The drainage and permeability characteristics of soils on which avocado tree decline and collapse are prevalent. Calif. Avocado Soc. Yearbook 1943: 38-40. 81 C128
- 18689 LIBES, RENÉ. Répartition de l'eau dans le sol. Prog. Agr. et Vitic. 60: 183-187. June 6, 1943. 14 P94
- 18690 \*MADOS, L. Eine Schnellmethode zur serienweisen Bestimmung der Adsorptionsungesättigtheit von Böden. Bodenk. u. Pflanzenernähr. 32: 351-358. 1943. 384 Z343A
- 18691 \*NOSTITZ, A. VON. Über den einfluss des elektrischen stromes auf pflanze und böden. Bodenk. u. Pflanzenernähr. 32: 146-154. 1943. 384 Z343A
- 18692 PARKER, E. R., and ROUNDS, M. B. Relationship of soil moisture and drainage conditions to tree decline in avocado orchards. Calif. Avocado Soc. Yearbook 1943: 34-37. 81 C128



18693 \*REINAU, E. H. Über volumenometer. Bodenk. u. Pflanzenernähr. 32: 319-324. 1943. 384 Z343A

18694 REITEMEIER, R. F., and RICHARDS, L. A. Reliability of the pressure-membrane method for extraction of soil solution. Soil Sci. 57: 119-135. Feb. 1944. 56.8 So3

18695 ROMANOVSKY, VSEVOLOD. Sur un appareil permettant la détermination de la perméabilité des sols. Paris. Acad. des Sci. Compt. Rend. 216: 387-391. 1943. 505 P21

18696 \*SCHACHTSCHABEL, P. Untersuchungen über die sorption im boden. Forschungsdienst, Sonderheft 16, p. 87-90. Berlin, 1942. 18 F772

18697 SMITH, R. M., BROWNING, D. R., and POHLMAN, G. G. Laboratory percolation through undisturbed soil samples in relation to pore-size distribution. Soil Sci. 57: 197-213. Mar. 1944. Ref., p. 212-213. 56.8 So3

#### Soil Chemistry and Mineralogy

18698 ALDRICH, D. G., HELLMAN, M. N., and JACKSON, M. L. Hydration control of montmorillonite as required for its identification and estimation by x-ray diffraction methods. Soil Sci. 57: 215-231. Mar. 1944. 56.8 So3

18699 \*ARND, TH., and LEISEN, E. Die bestimmung des gesamt-kali- und phosphorsäuregehaltes von moorböden nach der flammenphotometrischen bzw. kolorimetrischen methode. Bodenk. u. Pflanzenernähr. 30: 51-62. 1942. 384 Z343A

18700 ATKINSON, H. J., and TURNER, R. G. Soil colloids: II. Separation by peptization. Soil Sci. 57: 233-240. Mar. 1944. 56.8 So3

18701 BOYNTON, DAMON, and COMPTON, O. C. Normal seasonal changes of oxygen and carbon dioxide percentages in gas from the larger pores of three orchard subsoils. Soil Sci. 57: 107-117. Feb. 1944. 56.8 So3

18702 \*CHRISTENSEN, J. D. Den kemiske jordbundsundersøgelse. Ugeskr. for Landmaend 88: 465-468. June 25, 1943. 11 Ug3

Excerpt from an article published in Ladelund Elevforenings Aarskrift on chemical soil analysis as a guide in the use of fertilizers.

18703 DE GROOF, G. Notions elementaires sur le pH. X. Le pH du sol - sa mesure. Bul. Agr. du Congo Belge 32 (1/4): 65-68. Mar./Dec. 1941. 24 K83

18704 DUNTON, E. M., JR. Some effects of organic matter on phosphate fixation in New York soils. Cornell Univ. Abs. of Theses, 1942: 447-450. 1943. 241.8 C81

18705 FYNN, C. A. La capacidad total del suelo para bases de cambio en su relación con otros factores agrológicos. - Su influencia en los rendimientos de las pasturas naturales. Montevideo Univ. Facult. de Agron. Rev., No. 32, p. 103-110. May 1943. 102.5 M76R

18706 GRIN', G. S. Pro dzherela zasolennia gruntiv sereidn'oi Naddn'iprianshchiny [About the sources of salinization of soils of the middle Dnieper region]. Kiv. Akad. Nauk URSR. Dopovid (Kiev. Acad. Sci. Ukrainian SSR. Rpts. 1942, No. 3/4, p. 61-65. 511 K54

18707 \*HERRMANN, R., and LEDERLE, P. Ein abgeändertes photo-rex - sinnchlorürverfahren zur bestimmung der phosphorsäure in bodenauszügen mit laktatlösungen nach H. Riehm. Bodenk. u. Pflanzenernähr. 32: 306-315. 1943. 384 Z343A

18708 \*JAROVENKO, A. F. Do pitannia pro gli-binne pokhodzhennia soi i solonchakakh Dniprovs'ko-Donets'kogo basaina [Some notes on deep sources of salts in saline soils of the Dnieper-Donetz basin]. Kiv. Akad. Nauk URSR. Dopovid (Kiev. Acad. Sci. Ukrainian SSR. Rpts.) 1942, No. 3/4, p. 55-59. 511 K54

English summary, p. 59.

18709 \*JUNG, ERHARD. Zur Kenntnis der Ton-Humusbinding. Bodenk. u. Pflanzenernähr. 32: 325-336. 1943. Ref. 384 Z343A

18710 KUNIN, ROBERT, and ROBBINS, W. R. Relative availability to plants of exchangeable calcium from soil separates of sand, silt, and clay. Soil Sci. 57: 137-142. Feb. 1944. 56.8 So3

18711 \*MILEFF, D. P. Chemische untersuchungen über einige eigentümlichkeiten des bodenhumus. Bodenk. u. Pflanzenernähr. 32: 358-364. 1943. 384 Z343A

18712 NAGELSCHMIDT, G. The mineralogy of soil colloids. Imp. Bur. Soil Sci. Tech. Commun. 42, 33 p. Harpenden, England, 1944. Ref., p. 31-33. 56.9 Im72

18713 \*NEHRING, K. Die bestimmung des austauschbaren kaliums als mittel zur beurteilung der kalibedürftigkeit der böden. Bodenk. u. Pflanzenernähr. 30: 36-51. 1942. 384 Z343A

18714 NETO, J. E. DE P. Determinação do valor T-S na terra roxa legítima e a aplicação da fórmula Vageler. Bragantia 2: 339-353. Sept. 1942. 102.5 B73Tb

18715 \*NITZSCH, W. VON. Möglichkeiten, art und wirkung der anlagerung von flüssigkeiten, gasen und ionen am sorptionskomplex und folgen für die ackerbaulichen eigenschaften der boden. Bodenk. u. Pflanzenernähr. 30: 180-189. 1942. 384 Z343A

18716 \*OKAČ, A. Über die Extraktion der assimilierbaren Phosphorsäure in Böden nach der Egnér-Methode. Bodenk. u. Pflanzenernähr. 32: 315-318. 1943. 384 Z343A

18717 PEECH, MICHAEL, and ENGLISH, LEAH. Rapid microchemical soil tests. Soil Sci. 57: 167-195. Mar. 1944. Ref., p. 194-195. 56.8 So3

18718 PINEAU, M. A., and CHOINIERE, LUCIEN. Determination du magnesium échangeable dans les sols par la 8-hydroxyquinoleine. Bonne Terre 24: 163-175. Nov./Dec. 1943. 7 B64

18719 RATSEK, J. C. Effect of sulphur particle size and of aluminum sulphate on rate of soil acidification. Amer. Soc. Hort. Sci. Proc. 43: 281-283. Nov. 1943. 81 Sol2

18720 \*SMOLIK, L. Einfluss des bodenaustrocknens auf die menge der assimilierbaren phosphorsäure. Bodenk. u. Pflanzenernähr. 32: 126-128. 1943. 384 Z343A

18721 \*SPRINGER, U. Beitrag zur fraktionierung der echten humusstoffe. Bodenk. u. Pflanzenernähr. 32: 129-146. 1943. 384 Z343A

18722 \*SÜCHTING, H. Über zersetzungs- und humusbildungsvorgänge bei waldstreu-, A<sub>0</sub>-humusarten und vergleichs- und modellstoffen. Bodenk. u. Pflanzenernähr. 32: 243-295. 1943. 384 Z343A

#### Soil Microbiology

18723 COLWELL, W. E. A biological method for determining the relative boron content of soils and chemical studies on certain metabolites. Cornell Univ. Abs. of Theses, 1942: 442-446. 1943. 241.8 C81

18724 \*ENGEL, H. Arbeiten über nitrifikationsbakterien. Forschungsdienst, Sonderheft 16, p. 144-146. Berlin, 1942. 18 F772

18725 \*FRANCÉ, A. Der kampf im boden. Deut. Gart. 58: 46. Apr. 1943. 80 P883

Animal life in soil.

18726 \*FRANZ, H. Bildung von humus aus pflanzlichem bestandsabfall und wirtschaftsdünger durch kleintiere. Bodenk. u. Pflanzenernähr. 32: 336-351. 1943. Ref. 384 Z343A

18727 NELSON, R. T. Studies of microbial activity, chlorate reduction, and chlorate toxicity in soils treated with sodium chlorate. Jour. Agr. Res. 58: 221-237. Mar. 1, 1944. 1 Ag84J



18728 \*RIPPEL, A. Mikrobiologie. Forschungs-  
dienst, Sonderheft 16, p. 138-143. Berlin, 1942.  
Ref. p. 142-143. 18 F772

18729 \*SCHANDERL, HUGO. Vergleichende unter-  
suchungen über den stickstoffhaushalt von leguminosen  
und nichtleguminosen. Deut. Bot. Gesell. Ber. 60  
(Generalversamml.-heft 1): (86)-(93). Mar. 20, 1943.  
451 D48

18730 SEKERA, F. Aus der praxis des bäuerlichen  
bodengesundheitsdienstes. Mitt. f. die Landw. 58:  
703-705. Aug. 28, 1943. 18 D48M

18781 STEPHENSON, R. E. Living organisms help  
to keep soil productive. Calif. Cult. 91: 130-131.  
Mar. 4, 1944. 6 C12

#### Soil-Plant Relationships and Soil Requirements

18782 KLOTZ, L. J., and SOKOLOFF, V. P. The  
possible relationships of soil organisms to avocado  
tree decline and collapse. Calif. Avocado Soc.  
Yearbook 1943: 30-33. 81 C128

18783 \*KUHNE, A. Wasser- und nährstoffhaushalt  
des bodens. Forschungsdienst, Sonderheft 16, p. 97-  
105. Berlin, 1942. 18 F772

18734 L., H. M. The determination of nutrient  
deficiencies. Internatl. Sugar Jour. 46: 36-37.  
Feb. 1944. 65.8 In8

18735 \*RIEHM, H. Neue verfahren zur bestimmung  
der pflanzennährstoffe im boden. Mitt. f. die Landw.  
58: 773-774. Sept. 18, 1943. 18 D48M

18736 \*SÜCHTING, H. Untersuchungen über die  
Ernährungsverhältnisse des Waldes. IX. Einfluss der  
Reaktion und der Entsäuerung des Bodens durch Kalk  
bzw. Magnesia auf Wachstum und Nährstoffaufnahme der  
Lärche, Kiefer und Fichte. Bodenk. u. Pflanzen-  
ernähr. 32: 365-375. 1943. 384 Z343A

#### Soil Genesis, Formation, Classification, and Mapping

18737 BELZILE, THURIBE. À travers le Canada  
agricole. III. Visite de l'université agricole du  
Manitoba. Terre de Chez Nous 16(24): 6. Mar. 15,  
1944. 7 T27

Notes the soil types in Manitoba.

18738 CLINE, M. G. A study of the significance  
of differences among mapping units and a method of  
generalization of the detailed soil map of northern  
Livingston County, New York. Cornell Univ. Abs.  
of Theses, 1942: 438-441. 1943. 241.8 C81

18739 \*EKSTROM, GUNNAR. Jordklassifikationen  
vid den praktiska jordkarteringen. Stiffelse  
Svenska Lantbruksveckan. Handl. (1943) 32: 239-246.  
11 Sw34

Soil classification for soil mapping.

18740 LEPAGE, ERNEST. Les lichens, les mousses  
et les hépatiques du Québec. III. Nat. Canad. 71:  
40-46. Jan./Feb. 1944. 410 N216

Soil formation.

18741 \*PENNINGSFELD, F. Zur darstellung des  
verwitterungsvorganges und der bodenprofilbildung.  
Bodenk. u. Pflanzenernähr. 31: 1-10. 1943.  
384 Z343A

18742 \*SOKOLOVSKIY, O. N. Novi dani schchodo  
genezisu galogennikh gruntiv [Some new data on the  
origin of halogenic soils]. Kifv. Akad. Nauk  
URS. Dopovidi (Kiev. Acad. Sci. Ukrainian SSR. Re-  
ports) 1942, No. 3/4, p. 41-46. 511 K54  
English summary, p. 46.

18743 WHITE, J. T., and TE RIELE, H. J. Bodem-  
kundig onderzoek en kolonisatie in de Duitengewesten.  
I. Voorbereiding en organisatie, by J. T. White; II.  
Werksaamheden en resultaten, by H. J. Te Riele.  
Netherlands Indies. Commissie voor Migratie en Kolon.  
van Inheemschen. Kolon. Bul. 11, 40 p. Batavia,  
1941. 282.29 Ea72

A report of soil surveys made in the Netherlands  
Indies for purposes of settlement. Includes statis-  
tics of families and individuals settled in various  
districts.

#### SOIL MANAGEMENT

18744 \*DOBERT, H. Fruchtfolgegestaltung und  
stickstoffhaushalt. Mitt. f. die Landwirtschaft  
58: 895-897. Oct. 30, 1943. 18 D48M

18745 GREYN, JESSE. There is always a changing  
soil frontier. Mont. Farmer 31(4): 1, 10. Mar.  
15, 1944. 6 M764

18746 \*GRIESBECK, A. Bedeutung guter vorfrüchte  
für die stickstoffversorgung der böden. Mitt. f.  
die Landw. 58: 763-765. Sept. 18, 1943. 18 D48M

18747 \*KANNENBERG, H. Warum meliorationen in  
den trockengebieten des ostens. Mitt. f. die Landw.  
58: 920. Nov. 6, 1943. 18 D48M

18748 PAINTER, J. H. Mulching, a valuable  
treatment for young tung trees in potassium deficient  
soil. Amer. Tung Oil Assoc. Papers (1943) 9: 19-  
23. 77.9 Am32

18749 SWEETSER, G. A. The fundamentals of soil  
management. Amer. Rose Ann. 1944: p. 93-100.  
81 Am31A

#### Soil Fertility

18750 \*A. Bodenuntersuchung und mineraldüngung.  
Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 378.  
July 3, 1943. 18 B34W

18751 ALLARD, OMER. Nos pâturages. Bul. des  
Agr. 40(3): 17, 18-19. Mar. 1944. 7 B872

18752 ALLEN, H. R., and GAULT, LELAH. Factors  
affecting determination of acid- and base-forming  
quality of fertilizers. Assoc. Off. Agr. Chem. Jour.  
27: 171-177. Feb. 15, 1944. 381 As7

18753 ALLEN, R. C. Balanced diets and better  
roses. Home Gard. 3 (3): 14-15. Mar. 1944. 80 H756

18754 ANDERSON, W. S. Sweetpotatoes need nitro-  
gen fertilizers. Farm for Victory, Feb. 1944, p.  
13. 281.8 F226

18755 \*ANGERER. Bewirtschaftung der moore in  
hinsicht auf höchsterträge und kreisgswirtschaftliche  
belange. Deut. Landeskult.-Ztg. Beilgae. Mitt. f.  
Moorwirtschaft 12: 63-64. Apr. 1942. 18 D484

18756 \*ASDONK, T., and JACOB, A. Zusammen-  
fassung der ergebnisse der in den jahren 1935 bis  
1938 durchgeführten kalidüngungsversuche der Land-  
wirtschaftlich-Technischen Kalistelle und der Land-  
wirtschaftlichen Abteilung des Deutschen Kalisyn-  
dikats: VI. Wiese und VII: Erörterung der Gesamt-  
ergebnisse. Bodenk. u. Pflanzenernähr. 32: 16-35.  
1943. 394 Z343A

18757 \*BÄR, HEINZ. Gärtnern mit torfmuil.  
Schweiz. Gart., No. 10, p. 268-272. Oct. 1943.  
80 Sch93

18758 BAHRT, G. M., and KILBY, W. W. Fertiliz-  
ing tung with elements other than nitrogen, phosphor-  
us and potassium. Amer. Tung Soil Assoc. Papers  
(1943) 9: 30-33. 77.9 Am32

18759 \*BALKS, R. Über die bedeutung des schwe-  
fels in der pflanzenernährung. Forschungsdienst,  
Sonderheft 16, p. 217-220. Berlin, 1942. 18 F772

18760 BAUR, KARL. 100,000 tons of hay for  
west'n Washington dairymen. Farm for Victory, Feb.  
1944, p. 12-13. 281.8 F226

Increasing production through the use of nitrogen.  
18761 BAYER, L. D. Use nitrogen efficiently to  
achieve maximum food and feed production. Farm for  
Victory, Feb. 1944, p. 10. 280.8 F226

18762 \*BEINERT. Kein kartoffelkraut verbrennen!  
Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 485.  
Sept. 4, 1943. 18 B34W

18763 \*BEINERT, KARL. Jauche ist wertvol für  
futterzwischenfrüchte. Landesbauernschaft Bayern.  
Wchnbl. Ausg. A. 133: 425. July 31, 1943. 18 B34W  
Also in Landesbauernschaft Württemberg. Wchnbl.  
110: 443. July 31, 1943. 18 W96



18764 BENTON, R. J. Magnesium deficiency. High acidity in NSW upper Murray soils. Dolomite lime as corrective. *Citrus News* 20: 3-4. Jan. 31, 1944.  
80 C494

18765 \*BLANGK, E., and BOCHT, B. Vegetationsversuche mit uniwapophosphat. *Bodenk. u. Pflanzenernähr.* 32: 95-100. 1943. 384 Z343A

18766 \*BÖHMIG, F. Handelsdünger und stallungsersatz bei topfpflanzen. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 241. Oct. 15, 1943. 80 G196

18767 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake a cheap and effective manure for the rice crop. *Bombay. Dept. Agr. Spec. Pam.* 2, 2 p. Poona, 1941? 22 B63Sp

18768 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake an effective and cheap manure for the cotton crop. *Bombay. Dept. Agr. Spec. Pam.* 3, 2 p. Poona, 1941? 22 B63Sp

18769 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Groundnut cake a valuable and cheap manure for sugarcane. *Bombay. Dept. Agr. Spec. Pam.* 1, 2 p. Poona, 1941? 22 B63Sp

18770 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Manuring of sugarcane in the Bombay-Deccan. *Bombay. Dept. Agr. Leaflet (n. s.)* 1943, No. 2, 6 p. Poona, 1943. 22 B63L

18771 \*BRICHET, J. La fertilisation des vergers. Les engrais verts naturels. *Fruits et Primeurs de l'Afrique du Nord* 13: 206-207. Dec. 1943. 80 F9482

18772 BUCHNER, ENRIQUE. La importancia de los abonos en las plantas forrajeras. *Unión Agr. del Sur* 1 (8): 16-19; 2 (9): 42-48. Nov. 1943, Jan. 1944 9.3 Un3

18773 BULL, A. D. Coalgate, Okla., farm no "Lucky streak." Better Crops with Plant Food 28(2): 21-23, 48-49. Feb. 1944. 6 B46

18774 BUNTING, A. H. The facts about soil fertility. *Country Life [London]* 95: 326-328. Feb. 25, 1944. 80 C83

18775 BUTTERFIELD, H. M. The effect of sawdust on plant growth. *Calif. Hort. Soc. Jour.* 5: 31-32. Jan. 1944. 81 G1293

Addition of sawdust to improve the physical condition of the soil.

18776 CAPO, B. G. Available nutrient contents of Puerto Rican soils as determined by pot tests. *Cornell Univ. Abs. of Theses*, 1942: 434-437. 1943. 241.8 C81

18777 \*CARLE, G. Des modifications observées dans le sol d'une agrumeraie. *Fruits et Primeurs de l'Afrique du Nord* 13: 74-75. Apr. 1943. 80 F9482

18778 CHAPMAN, C. J. Plow-sole fertilizers increase the profits. *Better Crops with Plant Food* 28(2): 7-12, 46-48. Feb. 1944. 6 B46

18779 CHAPMAN, C. J. Save the manure and use more fertilizer. *Wis. Agr. and Farmer* 71(5): 10-11. Mar. 4, 1944. 6 W751

18780 COLEMAN, RUSSELL, and ASHLEY, T. E. The value of fertilizer for oats. *Miss. Farm Res.* 7 (2): 5-6. Feb. 1944. 100 M69M1

18781 COLLINS, E. R. Timing important in applying nitrogen. *Farm for Victory*, Feb. 1944, p. 8. 280.8 F226

18782 COPISAROW, MAURICE. Grassland improvement *Nature [London]* 153: 256-257. Feb. 26, 1944. 472 N21

Fertilizers for improvement.

18783 DAHLBERG, H. W. Fertilize and realize more profit in 1944. *Natl. Beet Grower* 12 (2): 11-12. Mar. 1944. 280.28 N21

18784 DEGER, ERWIN. La importancia de la cal en la agricultura y su especial interes para los suelos de Guatemala. (To be cont.) *Rev. Agr. [Guatemala]* 20(10/12): 71-79. Oct./Dec. 1943. 8 G934

18785 DICKEY, J. B. R. Where shall we put the nitrogen? *Pa. Farmer* 130: 123. Mar. 11, 1944. 6 F383

18786 EIRE. DEPARTMENT OF AGRICULTURE. Fertilizers and food production. *Eire. Dept. Agr. Spec. Leaflet* 19, 4 p. Dublin, 1941. 10.5 Ir42S

18787 EIRE. DEPARTMENT OF AGRICULTURE. The maintenance of soil fertility. *Eire. Dept. Agr. Spec. Leaflet* 21, 7 p. Dublin, 1943. 10.5 Ir42S

18788 \*ELBERT, W. Versuche mit technischen kalken. *Forschungsdienst, Sonderheft* 16, p. 196-202. Berlin, 1942. 18 F772

18789 \*ENGELS, O. Grundsätze der kalkdüngung. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 568. Oct. 23, 1943. 18 B34W

Also in *Landesbauernschaft Württemb. Wchnbl.* 110: 586. Oct. 23, 1943. 18 W96

18790 \*ENGELS, O. Der nährstoffzustand von wiesen und weiden. *Landesbauernschaft Bayern. Wchnbl. Ausg. A* 133: 496. Sept. 11, 1943. 18 D34W

18791 \*ERNEST, E. Wirkungsgrad des kalkes bei verschiedener düngung und wirkung der düngung ohne und mit kalkung. *Bodenk. u. Pflanzenernähr.* 30: 173-179. 1942. 384 Z343A

18792 FINN, R. F. The leaching of some plant nutrients following the burning of forest litter. *Black Rock Forest. Papers* 1: 128-134. Nov. 1943. 99.9 B562B

Burning destroys the organic matter and releases mineral nutrients at a greatly accelerated rate.

18793 \*FRANCK, FR. Winke zur herbstbestellung. *Landesbauernschaft Württemb. Wchnbl.* 110: 499. Sept. 4, 1943. 18 W96

Directions for keeping the soil in a healthy condition.

18794 FRASER, H. The manuring of fruit trees and bushes. *Gard. Illus.* 64: 294. Mar. 1944. 90 G169

18795 \*\*GALLAGHER, P. H., and WALSH, T. Influence of manganese on growth of cereals. *Roy. Irish Acad. Proc.* 49(B): 187-200. 1943.

Abs. in *Brit. Chem. and Physiol. Abs.* B III, Jan. 1944, Column 3. 382 B773

18796 GALLUP, C. M. Progress report on earthworms. *Gard. Club Amer. Bul.* 21, p. 40-41. Mar. 1944. 90.36 G16

18797 \*GEBHARD, HELLMUT. Ueber den einfluss von kali und kalk auf den pflanzenertrag und die kaliaufnahme. *Bodenk. u. Pflanzenernähr.* 31: 263-281. 1943. 384 Z242A

18798 \*GERICKE, S. Die düngewirkung der phosphorsäure bei verschiedener stickstoffernährung der pflanze. 2. teil. Der einfluss gleichzeitiger kalk- und magnesiadüngung. *Bodenk. u. Pflanzenernähr.* 32: 223-243. 1943. 384 Z343A

18799 \*GERICKE, S. Untersuchungen über die umsetzungen zwischen phosphorsäure und kalk im boden. II. Teil: Das verhalten der phosphorsäure in böden mit verschiedenem kalzustand. *Bodenk. u. Pflanzenernähr.* 32: 171-192. 1943. 384 Z343A

18800 \*GEYER, BR. Auf den zweitschnitt kommt es an! *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 338. June 19, 1943. 18 Sa9

Fertilizing meadows after the first crop.

18801 \*GIESECKE, F. Arbeitserfolge und aufgaben der Reichsarbeitsgemeinschaft "Landw.-Chemie." *Forschungsdienst, Sonderheft* 16, p. 71-74. Berlin, 1942. 18 F772



- 18802 \*GIESECKE, F., MICHAEL, G., and HEIDECKER, L. Feldversuche in der Kurmark zur frage einer erhöhung des eiweissertrages durch eine zusätzliche späte stickstoffdüngung zu kartoffeln. Bodenk. u. Pflanzenernähr. 32: 163-170. 1943. 384 Z343A
- 18803 \*GIESECKE, F., and MICHAEL, G. Die phosphorsäurefrage als gegenstand planvoller landwirtschaftlich-chemischer forschung. Forschungsdienst, Sonderheft 16, p. 171-176. Berlin, 1942. Ref., p. 175-176. 18 F776
- 18804 \*GIESECKE, F., and MICHAEL, G. Stickstoff düngungsfragen. Forschungsdienst, Sonderheft 16, p. 191-196. Berlin, 1942. Ref., p. 193-196. 18 F772
- 18805 \*GILCH, D. Beziehungen zwischen düngung, nährstoffgehalt und ertrag der futterländereien. Weidewirtsch. u. Futterbau 18: 14. Oct. 23, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 42/43) 49 D48
- 18806 GRAY, S. D. Efficient fertilizers for potato farms. Better Crops with Plant Food 28(2): 24-26, 42-43. Feb. 1944. 6 B46
- 18807 GREEVES-CARPENTER, C. F. Redwood fiber is ideal soil conditioner. Northwest Gard. and Homes 11 (2): 2. Feb. 1944. 80 N813
- 18808 HANSEN, F. J. Nitrogen fertilization of avocados. Calif. Avocado Soc. Yearbook 1943: 62-64. 81 C128
- 18809 HARO, S. G. DE. Agotamiento de los suelos y necesidad de la restitution por el abonado. Rev. Agr. Guatemala, 20(10/12): 86-89. Oct./Dec. 1943. 8 G934
- 18810 HARRINGTON, F. M. In potato raising, check on organic matter and fertilizers in soil. Mont. Farmer 31 (14): 1, 7. Mar. 15, 1944. 6 M764
- 18811 HARRINGTON, F. M. Manure on gardens. Mont. Farmer 31(14): 12. Mar. 15, 1944. 6 M764
- 18812 \*HAUGEN, KRISTIAN. Utkjøring av husdyrgjødsel om vinteren. Norsk Landbruk 9: 66-67. Mar. 5, 1943. 11 N8122
- The transportation of stable manure in the winter time in order to save labor in spring. Does not lose its fertilizing value if kept in small or large piles until spring.
- 18813 HENDRICKS, H. E. The use of borax in the legume-livestock program of the South. Better Crops with Plant Food 28(2): 17-20, 43-46. Feb. 1944. 6 B46
- 18814 HUTCHESON, T. B. Biggest corn crop in history needed. Farm for Victory, Feb. 1944, p. 7. 280.8 F226
- 18815 JOHNSON, BURT. An experiment in applying fertilizer to cotton. (To be cont.) Chemurg. Digest 3: 79-80. Mar. 15, 1944. 381 M213Ba
- 18816 JOHNSON, P. E. Fertilizers and soil treatments for individual crops. Richland Farmer 17 (3): 1, 3. Mar. 1944. 275.293 I11.Richland Co.
- 18817 JOHNSTON, J. C. Notes on citrus fertilization. Calif. Citrog. 29: 118. Mar. 1944. 80 C125
- 18818 JUDKINS, W. P., and ROLLINS, H. A. The effect of sod, cultivation and mulch treatments on soil moisture, soil nitrates and tree growth in a young peach orchard. Amer. Soc. Hort. Sci. Proc. 43: 7-10. Nov. 1943. 81 S012
- 18819 \*KAPPEN, H., and BELING, R. W. Zusätzliche späte kalkstickstoffdüngung und N-gehalt der getriedekörner. Bodenk. u. Pflanzenernähr. 32: 155-163. 1943. 384 Z343A
- 18820 \*KICK, H. Die zeitliche änderung des reaktions- und kalkzustandes des bodens sowie der laktatzahlen nach Egnér auf zwei dauerkalkversuchen. Bodenk. u. Pflanzenernähr. 32: 375-390. 1943. 384 Z343A
- 18821 KING, A. S. Orchard soil management under wartime conditions. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 95-101. 81 Or32
- 18822 KING, A. S. What to expect of orchard soils. West. Nut Growers Assoc. Proc. 28 In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 124-131. 81 Or32
- 18823 KORB-WEIDENHEIM, GOTTFRIED FREIHERR VON. Bodengesundheit sichert hohe erträge (erfahrungen aus dem osten). Mitt. f. die Landw. 58: 952-953. Nov. 13, 1943. 18 D48M
- 18824 \*KRAHMER, R. Grundsätzliches über waldbau auf moorboden. Mitt. f. die Landw. 58: 796-798, 816-817. Sept. 25, Oct. 2, 1943. 18 D48M
- 18825 \*LANG, JOSEF. Der landwirtschaftliche beitrage des waldes zur ernährungssicherung. Deut. Forstwirt 25: 156-157. Apr. 30, 1943. 99.8 D483
- 18826 LEES, A. B. 200 tons of clay per acre. Farmer & Stock-Breeder 58: 807. Feb. 22, 1944. 10 F228
- The claying of fens to add body to the soil and to prevent blowing.
- 18827 LOBBE, H. As tefrosias na adubação verde. Chacaras e Quintais 68: 693-695. Dec. 15, 1943. 9.2 C34
- 18828 LÖBBE, HENRIQUE. A importancia do adubo verde. Chacaras e Quintais 68: 562-563. Dec. 15, 1943. 9.2 C34
- 18829 \*MAIWALD, K. Einfluss der düngung auf die qualität von kartoffeln und rüben. Forschungsdienst, Sonderheft 16, p. 152-163. Berlin, 1942. Ref., p. 161-163. 18 F772
- 18830 MARSH, R. H. Fertilizer trials on the Fuerte avocado. A progress report. Calif. Avocado Soc. Yearbook 1943: 55-56. 81 C128
- 18831 MARULL SANTA MARIA, JOSÉ. Cómo se determina la necesidad de abonos en los suelos. Unión Agr. del Sur 2(9): 28-29. Jan. 1944. 9.3 Un3
- 18832 \*MAURI, N. Doit-on fumer dans le fond des trous de plantation? Rev. Agr. de l'Afrique du Nord 41: 17-18. Jan. 22, 1943. 80 R326
- 18833 MENEZES SOBRINHO, A. Adubação das pastagens. São Paulo. Supt. dos Serv. do Café. Bol. 18: 610-613. Aug. 1943. 68.29 Sa63
- 18834 MILLAR, C. E. The plow-under method of applying fertilizer. Mich. Agr. Expt. Sta. Quart. Bul. 26: 173-176. Feb. 1944. 100 M588
- 18835 MOORE, E. C. Improving permeability in orchard soils. Calif. Cult. 91: 173. Apr. 1, 1944. 6 C12
- 18836 \*NIESCHLAG, F. Über die magnesia-düngebedürftigkeit leichter sand- und moorböden. Bodenk. u. Pflanzenernähr. 30: 157-173. 1942. 384 Z343A
- 18837 \*OBST. Die kaliversorgung der niederschlesischen böden. Landesbauernschaft Niederschlesien. Wehnl. 10: 539-540. Oct. 9, 1943. 18 S13
- 18838 \*OBST. Phosphorsäureversorgung der niederschlesischen böden. Landesbauernschaft Niederschlesien. Wehnl. 10: 504. Sept. 18, 1943. 18 S13
- 18839 OLSEN, L. C. Ammonium nitrate as a fertilizer for Georgia soils. Amer. Fert. 100 (3): 14. Jan. 29, 1944. 57.8 Am3
- 18840 \*OPITZ, K. Düngung und qualität der faserpflanzen. Forschungsdienst, Sonderheft 16, p. 163-169. Berlin, 1942. 18 F772
- 18841 \*PANNWITZ, E. Die weidewirtschaft im kriege. Mitt. f. die Landw. 58: 946-947. Nov. 13, 1943. 18 D48M
- 18842 PATTON, M. B., GORRELL, F. L., and BROWN, H. D. Relation of fertility levels to tenderness of garden beets. Amer. Soc. Hort. Sci. Proc. 43: 225-228. Nov. 1943. 81 S012



18843 PELLEGRIN, V. Nécessité économique des essais d'engrais sur vigne. Prog. Agr. et Vitic. 60: 218-222. Nov. 21/28, 1943. 14 P94

18844 PHILLIPS, W. H. Fertilizers for Delaware cantaloupes. Peninsula Hort. Soc. [Del.], Trans. (1943) 57: 88-90. 81 P37

18845 \*POSCHENRIEDER, H., and LESCH, W. Untersuchungen über den Einfluss langjähriger einseitiger Düngungsmassnahmen auf die Ausbildung und Nährstoffaufnahme der Wurzelknöllchen von Sojabohne. Bodenk. u. Pflanzenernähr. 32: 1-16. 1943. Ref. 384 Z343A

18846 POST, A. H. Green manure crops in Montana. Mont. Farmer 31 (14): 15, 31. Mar. 15, 1944. 6 M764

18847 \*PRINZ. Sommerdüngung von wiesen und weiden. Landesbauernschaft Württemb. Wchnbl. 110: 369. June 19, 1943. 18 W96

18848 PROBST, A. H. Influence of fertilizer, fertilizer placement, soil moisture content, and soil type on the emergence of soybeans. Amer. Soc. Agron. Jour. 36: 111-120. Feb. 1944. 4 Am34P

18849 RAPPE, E. H. Fertilizing hybrid tea roses. Amer. Rose Ann. 1944: 101-104. 81 Am31A

18850 \*REINHOLD, J. Schwarztorf als neue humusquelle im gartenbau. Blumen- u. Pflanzenbau ver. mit Gartenwelt 47: 253-255. Oct. 29, 1943. 80 G196

18851 \*REITH, H. Zwecksässig wintergetreide düngen. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 283A-284A. May 8, 1943. 18 B34W

18852 \*RIEHM, HANS. Bestimmung der kalibedürftigkeit des bodens aus dem kaligehalt des laktatextraktes. Bodenk. u. Pflanzenernähr. 31: 346-356. 1943. 384 Z343A

18853 ROGERS, W. B. New ideas in sweetpotato fertilization. Farm for Victory, Feb. 1944, p. 13. 281.8 F226

18854 \*RUSCHMANN, G., and others. Über den einfluss des handelshumusdüngers "Nettolin" auf das pflanzenwachstum und die bodeneigenschaften. Bodenk. u. Pflanzenernähr. 32: 35-85. 1943. Ref. 384 Z343A  
R. Themlitz, L. Pozdena, and H. Bartram, joint authors.

18855 RUTH, W. A. Potash in peach orchards. Ill. State Hort. Soc. News Letter, No. 2, p. 3-4. Mar. 1944. 81 I16N

18856 \*SAKSHAUG, BJARNE. Beitene og gjødselsituasjonen. Norsk Landbruk 9: 105-106. Apr. 16, 1943. 11 N8122

On the fertilization of pastures in view of the shortage of phosphate.

18857 \*SAUER, A. Ackerbau auf niederungsmoor-  
deut eine unerlässliche und zeitgemässe massnahme. Deut. Landeskult.-Ztg. Beilage. Mitt. f. Moorwirtschaft 12: 45-47. Mar. 1, 1943. 18 D484

18858 \*SCHARER, K. Düngung und qualität der getreide- und futterpflanzen. Forschungsdienst, Sonderheft 16, p. 146-152. Berlin, 1942. Ref., p. 150-152. 18 F772

18859 \*SCHEFFER, F. Humusforschung. Forschungs-  
dienst, Sonderheft 16, p. 106-115. Berlin, 1942. Ref., p. 113-115. 18 F772

18860 \*SCHMALFUSS, K. Düngung und qualität bei öl- und fettpflanzen. Forschungsdienst, Sonderheft 16, p. 169-171. Berlin, 1942. 18 F772

18861 \*SCHMITT, L. Der stand der bodenunter-  
suchungs-sonderaktion, der planmässigen untersuchung der deutschen böden auf kalk- und phosphorsäurezu-  
stand. Forschungsdienst, Sonderheft 16, p. 75-79. Berlin, 1942. 18 F772

18862 SCHOENFELD, W. A. Using earthworms to  
improve soils. Oreg. State Hort. Soc. Proc. (34th  
Ann. Rpt. 1942) 57: 35-41. 81 Or32

18863 \*SELKE, W. Einsatz der stickstoffdüngung  
zur winterung. Mitt. f. die Landw. 58: 765-766.  
Sept. 18, 1943. 18 D48M

18864 SERVISS, GEORGE. Humus "carries the ball"  
for fertilizer. Amer. Agr. 41: 132, 145. Mar. 18,  
1944. 6 Am3

18865 SHELTON, F. A. Tomatoes in relation to  
soil fertility. Peninsula Hort. Soc. [Del.], Trans.  
(1943) 57: 98-102. 81 P37

18866 SKINNER, J. J., and WHITTAKER, C. W. Am-  
monium nitrate for southern crops. Prog. Farmer,  
Miss.-Ark.-La. Ed. 59 (3): 20. Mar. 1944. 6 So81

18867 SMITH, J. B. Pastures respond to ferti-  
lizers. Better Rural Life 5(3): 1, 3. Mar. 1944.  
275.29 B34B

18868 SMITH, ORA. Potato fertilization and nu-  
trition studies in 1942. Amer. Potato Jour. 21: 30-  
48. Feb. 1944. Ref., p. 46-48. 75.8 P842

18869 \*SÖLDNER, R. Stickstoffdüngung für die  
wintersaaten. Landesbauernschaft Sachsen-Anhalt.  
Wchnbl. 101: 541. Oct. 16, 1943. 18 Sa9

18870 \*SPAHR. Gründlandverbesserung durch um-  
bruch möglichst vermeiden. Landesbauernschaft  
Bayern. Wchnbl. Ausg. A. 133: 319A. May 29, 1943.  
18 B34W

18871 SPANGENBERG, G. E., and VECINO, R. S. Im-  
portancia de la materia orgánica total del suelo  
como factor determinante de la producción praten-  
se. Montevideo Univ. Facult. de Agron. Rev., No. 32, p.  
9-17. May 1943. 102.5 M76R

18872 SREENIVASAN, A. Nitrogenous manuring of  
black cotton soil. Nature [London] 153 (3871): 55.  
Jan. 8, 1944. 472 N21

18873 STEPHENS, J. L., and BURTON, G. W. Ferti-  
lizing improved strains of Bermuda grass for in-  
creased production. Farm for Victory, Feb. 1944,  
p. 12. 280.8 F226

18874 STURGIS, M. B. Potassium content and  
potash requirement of Louisiana soils. Better  
Crops with Plant Food 28(2): 6, 50-51. Feb. 1944.  
6 B46

18875 TESKE, A. H. The orchard feeding program.  
Va. Fruit 32 (3): 21-22. Mar. 1944. 81 V81B

18876 THIEM, GEORGE. Taking the guess out of  
fertilizer investment. Science gives us a method of  
forecasting - with uncanny accuracy - yields from  
the use of potash and phosphates. Successful  
Farming 42(4): 21, 62-63. Apr. 1944. 6 Su12

18877 \*THUN, R. Gefässversuche zur prüfung des  
univapophosphates. Bodenk. u. Pflanzenernähr. 32:  
100-105. 1943. 384 Z343A

18878 \*THUN, R. Kalk- und magnesiandüngung.  
Forschungsdienst, Sonderheft 16, p. 220-226. Berlin,  
1942. 18 F772

18879 \*THUN, R. Über die beeinflussung der auf-  
nahme und wirkung verschiedener phosphatdünger durch  
eine kalk-, magnesiakalk- und magnesiumsulfatdüngung.  
Bodenk. u. Pflanzenernähr. 30: 137-156. 1942.  
384 Z343A

18880 \*TSCHUMI, L., and STALE, J. Contribution  
à l'étude de la reconstitution du vignoble valaisan.  
Landw. Jahrb. der Schweiz 57: 290-311. 1943.  
17 L23

Fertilizers and soils.

18881 TYSON, J. Balance garden soil fertility  
to produce nutritious vegetables. (To be cont.)  
Hort. News 10: 24. Mar. 1944. 80 H7815

18882 VANDOREN, A. Ammonium nitrate as an or-  
chard fertilizer. Suffolk Co., [N.Y.], Farm Bur.  
News 28 (3): 24. Mar. 1944. 275.293 N.Y. Suffolk Co.

18883 \*WAUER, O. Bodenmüdigkeit im treib- und  
freilandgemüsebau. Blumen u. Pflanzenbau ver. mit  
Gartenwelt 47: 218. Sept. 17, 1943. 80 G196



- 18884 WESTBROOK, E. C. How can southern farmers meet '44 production goals? Nitrogen the limiting factor in production. Farm for Victory, Feb. 1944, p. 6. 280.8 F226
- 18885 \*WETZEL, A. Wie verende ich handelsdünger. Deut. Gart. 58: 53-54. May 1943. 80 P883
- 18886 \*WIDIEZ, F. La fumure des agrumes à la plantation. Rev. Agr. de l'Afrique du Nord 41: 47. Mar. 12, 1943. 80 R326
- 18887 WING, A. S. What makes your garden grow? Nature Mag. 37: 202-204, 216. Apr. 1944. 409.6 N214
- 18888 \*WITTICH, W. Grundsätzliches zur Frage der Gesteinshildung auf diluvialen sanden. Deut. Forstwirt. 25: 77-78, 85-86. Feb. 26, Mar. 5, 1943. 99.8 D483
- 18889 WORDEN, G. N. Soils - crops - nutrition. Minor elements point the way. Pt. I. New Agr. 26 (6): 10-11. Mar. 1944. 66.8 Su32
- 18890 YODER, R. E. Fertilize for higher yields. Increase production on same acres. Ohio Farmer 193 (5): 9. Mar. 4, 1944. 6 Oh3
- 18891 ZARGER, T. G. Beneficial influence of mulches on two years' growth of planted black walnut varieties. Amer. Soc. Hort. Sci. Proc. 43: 5-6. Nov. 1943. 81 Sol2
- 18892 ZIMMERLY, H. H. Leafy green vegetables heavy nitrogen consumers. Farm for Victory, Feb. 1944, p. 14. 281.8 F226
- Soil Tilth and Tillage
- 18893 ALBRECHT, W. A. Is the plow on its way out? Farmer-Stockman 57: 137, 172. Apr. 1944. 6 Ok45
- 18894 \*BÄR, K. Ödlandkultivierung. Forschungsdienst, Sonderheft 16, p. 230-236. Berlin, 1942. 18 F772
- 18895 BEAR, F. E., and EPSTEIN, SAMUEL. The plow - friend or foe? N. J. Agr. 20(2): 6-7. Mar./Apr. 1944. 275.28 N46
- 18896 BENNETT, H. H. New ways to plow. Cap-per's Farmer 55(4): 11. Apr. 1944. 6 M693
- 18897 BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. The Bombay dry farming system of cultivation. What it means and how cultivators can adopt it on their own lands. Bombay. Dept. Agr. Leaflet 1942, No. 5, 14 p. Poona, 1942. 22 B63L
- 18898 BROWN, S. C. Para que lavar? Rev. Rural Bras. 23 (277): 14-16. Sept. 1943. 9.2 B733
- 18899 BUEHRER, T. F., and MATLOCK, R. L. The not-so-foolish plowman. Ariz. Farmer 23 (6): 3, 12-13. Mar. 11, 1944. 6 Ar44
- 18900 FAULKNER, E. H. Plowless methods for the Southwest. Farmer-Stockman 57: 137, 175. Apr. 1944. 6 Ok45
- 18901 FAULKNER, E. H. Why doesn't nature plow? Home Gard. 3 (3): 68-71. Mar. 1944. 80 H756
- 18902 \*FRANCE, FR. Die winterfurche auf schwerem boden in rauher lage. Mitt. f. die Landw. 58: 916-917. Nov. 6, 1943. 18 D48M
- 18903 \*FRECKMANN, W. Steigerung, verbesserung und sicherung der ernten durch kulturtechnische massnahmen. Forschungsdienst, Sonderheft 16, p. 226-230. Berlin, 1942. 18 F772
- 18904 HAGEN, CECIL. Is plowing folly? Oreg. Farmer 57: 127, 142. Mar. 16, 1944. 6 Or32
- 18905 \*HIBON, JEAN. Le travail en profondeur des verges établis en terres compactes. Fruits et Primeurs de l'Afrique du Nord 13: 179-181. Nov. 1943. 80 F9482
- 18906 \*JENSEN, LAUR. Vinterpløjning. Ugeskr. for Landmænd 88: 745. Oct. 22, 1943. 11 Ug3
- Directions for plowing.
- 18907 KING, A. S. Orchard cultivation and soil management. West. Nut Growers Assoc. Proc. 29 In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt. 1943) 58: 99-102. 81 Or32
- 18908 MENEZES SOBR., A. Cultivo racional do solo. Ouro Branco 9 (5): 14-15. Sept. 1943. 72.8 Cu7
- 18909 SPIVACK, M. J. Intermowing vs. inter-tilling. I-II. Jour. Appl. Plant Sociol., v. 2, No. 1, 2 p. Nov. 29, 1943; v. 3, No. 1, 2 p. Jan. 1944. Processed. 6 J823
- I. Intertilling is a cause of malaria. [Breeding places for mosquitoes.] II. 2nd annual report of the Morris J. Spivack Institute of Agriculture.
- Stubble-mulch tillage.
- 18910 SYME, P. S. Combating drought on limestone country. New Zeal. Jour. Agr. 68: 13-16. Jan. 15, 1944. 23 N48J
- 18911 \*TORNNAU. Bodenbearbeitung. Forschungsdienst, Sonderheft 16, p. 132-138. Berlin, 1942. Ref., p. 137-138. 18 F772
- 18912 \*TORSTENSSON, G., and ENGE, GUNNAR. Redogörelse för pløjningsförsök (Account of plowing experiments). I. Försök med olika pløjningsdjup (Experiments with different depths of plowing). II. Försök med alvulckring (Experiments with loosening of sub-soil). K. Lantbr. Akad. Tidskr. 82: 296-329, 369-399. 1943. 104 Sw3
- German summary.
- 18913 WALKER, J. R. Profit or loss in fall plowing? Utah Farmer 63(13): 8. Feb. 25, 1944. 6 D45
- 18914 WOLFE, J. W. The man (or woman) with a hoe. Country Book 3(4): 36-41. Spring 1944. 6 C836
- Drainage, Irrigation, Water Supply, and Flood Control
- 18915 BAUMANN, PAUL. Control of flood debris in San Gabriel area. Civ. Engin. 14: 143-146. Apr. 1944. 290.8 C49
- 18916 \*BOMBAY (PRESIDENCY). DEPARTMENT OF AGRICULTURE. Sir Cusrow Wadia trust fund and "village development projects." Bombay. Dept. Agr. Soil Conserv. and Anti-Erosion Ser. Leaflet 2, 4 p. Poona, 1943. 56.9 B63
- 18917 CAMPBELL, J. C. The possibilities of irrigation on potatoes. Hints to Potato Growers 24(10): 1-3. Feb. 1944. 75.9 H59
- 18918 COOPER, RICHARD. Algunas observaciones sobre el riego. Consejos Prácticos 9, No. 97, 6 p. Jan. 1944. 80 C762
- 18919 EARL, H. W. Be prepared to irrigate beets up immediately after planting if soil lacks moisture. U and I Cult. 4 (1): 16-17. Mar. 1944. 66.8 U12
- 18920 \*FRECKMANN, W. Untergrundbewässerung oder beregnung? Bodenk. u. Pflanzenernähr. 29: 353-361. 1943. 384 Z343A
- 18921 GAMA, F. C. Considerações em torno da seca na lavoura rizícola Rio Grandense. Rev. Agron. [Brazil] 7: 555. Oct. 1943. 9.2 R325
- 18922 GONZALEZ MORENO, ERNESTO. Calamidades de nuestros campos. Campo [Buenos Aires] 28 (326): 50, 69. Dec. 1943. 9 C15
- 18923 HOFFMASTER, P. J. Time to do something about water. Mich. Conserv. 13 (2): 6, 11. Feb. 1944. 279.9 M582
- 18924 HUFFMAN, R. E. War and post-war problems of irrigation planning in the northern Great Plains. Jour. Land and Pub. Util. Econ. 19: 452-463. Nov. 1943. 282.8 J82
- Includes land development, use, and settlement policies.
- 18925 ISRAELSON, O. W. Wasatch front irrigation resources. Farm & Home Sci. 5 (1): 5, 10-11. Mar. 1944. 100 U11F



18926 KEAL, WILLIAM, and GIMSON, MARTIN. Rural water supplies as they affect private owners. Land Agents Soc. Jour. 43: 24-27. Feb. 1944. 282.9 L22

18927 \*MANSFIELD, EDWARD. Portable overhead irrigation. Conquering the summer drought. Overhead irrigation profitable in the rainy regions. New Agr. 26 (6): 6-7. Mar. 1944. 66.8 Su32

18928 MIMS, SAM. Appropriation of riparian lands for levee purposes. [L]. New Orleans Port Rec. 2(6): 17-18, 23-24. Feb. 1944. 286.8 N472

18929 MORAIS, C. M. O plano contra as enchentes de Porto Alegre e a risicultura riograndense. Rev. Agron. [Brazil] 7: 556-557. Oct. 1943. 9.2 R325

18930 NERY, J. M. Estação experimental de irrigação e drenagem - planos de trabalho. Ceres [Brazil] 5(25): 53-59. Sept./Oct. 1943. 9.2 C332

18931 NICHOLSON, H. H. Field drainage problems. VIII. The best time for draining work. Estate Mag. 44: 69-70. Mar. 1944. 10 Es8

18932 PASSERINI, GINO. Le sistemazioni idraulico-agrarie dei terreni e l'autarchia. Soc. Cult. Propag. Agr. Torino. Collana di Quaderni Agr. 18, 31 p. Torino, 1939. 54 P26

18933 PENNEFATHER, R. R. Planning irrigation development. Provision for adequate research and extension services [New South Wales]. Citrus News 20: 5, 15. Jan. 31, 1944. 80 C494

18934 \*PETERBURGSKIĬ, A. Snegozaderzhanie - sredstvo povysheniia urozhayev [Snow-retention - a means of increasing harvests]. U. S. S. R. Narod. Komis. Zeml. Agrotekhnosevty Kolkhoz. No. 98. Broad-side. Moskva, 1943. 20 Ag88

18935 RECK, S. H., JR. He pulls profits from his creek by irrigating his potatoes. N. J. Farm and Gard. 15(3): 15, 64. Mar. 1944. 6 G162

18936 STEPHAN, L. L. Historico-economic aspects of drainage in the Florida Everglades. South. Econ. Jour. 10: 197-211. Jan. 1944. 280.8 So84

18937 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1942. Part 14. Pacific slope basins in Oregon and lower Columbia River basin. U. S. Geol. Survey. Water-Supply Paper 964, 231 p. Washington, 1943. 407 G29W

18938 WILLIAMS, M. D. Farm reservoirs: with little effort you can add to your water supply - how to prepare. Ind. Farmers' Guide 100(6): 4. Mar. 15, 1944. 6 In2

18939 YOUNG, T. W. A study of the irrigation of citrus groves in the Vero Beach section of Florida. Fla. State Hort. Soc. Proc. (1943) 56: 8-22. 81 F66

#### Erosion and Erosion Control

18940 BATH, E. J. Soil and water can supply us only if we take care of them. Ohio Farm Bur. News 23(8): 20-21. Mar. 1944. 6 Oh34

18941 BENNETT, H. H. Adjustment of agriculture to its environment. Assoc. Amer. Geog. Ann. 23: 163-198. Dec. 1943. 500 As73

Soil conservation.

18942 BENNETT, H. H. How soil conservation aids wildlife. Audubon Mag. 46: 76-86. Mar./Apr. 1944. 413.8 B53

18943 BENNETT, H. H. Kudzu--power plant of South's new agriculture. U. S. Soil Conserv. Serv. Soil Conserv. 9: 171-175. Feb. 1944. 1.6 So3S

18944 BENNETT, H. H. Soil conservation goes to war. (Abs.) Roy. Canad. Inst. Trans. (Ser. 3a) 8: 26-30. 1942/43. 517 T63P

18945 BOND, R. M. Soil conservation crops make honey. Amer. Bee Jour., Mar. 1944, p. 88-89. 424.8 Am3

Nectar-bearing legume crops.

18946 \*BORDAS, JEAN. La fragilité de la forêt et de son sol dans le midi Méditerranéen. Prog. Agr. et Vitic. 119: 78-81. Mar. 1943. 14 P94

Soil erosion.

18947 CHAMBERS, T. B. Engineering developments in soil and water conservation. Agr. Engin. 25: 86-89. Mar. 1944. 58.8 Ag83

18948 COOK, L. G. Will we be ready when they come marching home? N. J. Farm and Gard. 15(3): 12-13, 28-29. Mar. 1944. 6 G162

18949 COOPER, J. F. Soil conservation will help. Farm for Victory, Feb. 1944, p. 11. 280.3 F226

Conservation practices increase production.

18950 COREY, HERBERT. Scientist with his feet in the topsoil. Nation's Business 32 (4): 36, 39-40. 98. Apr. 1944. 286.8 N212

Dr. H. H. Bennett and the work of the Soil Conservation Service.

18951 COTTON, JOHN. Maryland grower goes through drought with big peach crop. Amer. Fruit Grower, Mar. 1944, p. 10, 33. 80 G85

Use of cover crops.

18952 DAVIS, C. C. Friends of the land. Staple Cotton Rev. 22 (3): 1-7. Mar. 1944. 72.8 St22

18953 DENNIS, R. S. Three new soil conservation practices of interest to cattlemen in '44 AAA program. Southeast. Cattleman and Dairy Jour. 3 (7): 6, 27. Jan. 1944. 43.8 F66A

18954 DIAS, J. DE D. DE O. Erosão. Pernambuco, Brazil. Sec. de Agr., Indús., e Com. Bol. 10 (2): 8-32. June 1943. 9.2 P423

18955 HAMILTON, LUTHER. Soil conservation practices pay. Richland Farmer 17(3): 7. Mar. 1944. 275.293 Ill., Richland Co.

18956 HARPER, F. B., and PAXTON, G. E. He put a blanket on his orchard. U. S. Soil Conserv. Serv. Soil Conserv. 9: 200-202. Mar. 1944. 1.6 So3S

18957 HARPER, H. J. Water willows for shoreline erosion control in farm ponds. U. S. Soil Conserv. Serv. Soil Conserv. 9: 212-213. Mar. 1944. 1.6 So3S

18958 HEATH, B. A. What can you do with quack grass? [Controlled growth checks erosion.] Stock & Dairy Farmer 33(7): 2. Mar. 1944. 6 N8195

18959 \*HEILMANN, A. Landwirtschaftliche verwertung städtischer abfallstoffe als bodenverbesserungs- und düngemittel, besonders im gemüsebau. Gesundheits-Ingen. 66: 122-123. Apr. 1943. 449.8 G33

18960 LOWDERMILK, W. C. Hwan Lung Shan, where China's history is written in the land. U. S. Soil Conserv. Serv. Soil Conserv. 9: 203-207. Mar. 1944. 1.6 So3S

18961 MARQUES, J. Q. A. Organização geral da estação experimental de conservação de solos da ESAV. Ceres [Brazil] 5(25): 46-52. Sept./Oct. 1943. 9.2 C332

18962 MILBURN, W. S. Soil conservation. A fundamental need of agriculture creates opportunities for a new kind of implement and tractor merchandising. Impl. and Tractor 54(6): 34-36. Mar. 11, 1944. 58.8 W41

18963 MORAES, J. DE M. O mais edificante exemplo de restauração de cafetal velho que já vi. São Paulo. Supt. dos Serv. do Café. Bol. 18: 708-717. Sept. 1943. 68.29 Sa63

18964 MUSSER, A. M. Contour planting for fruit farms. Amer. Fruit Grower, Mar. 1944, p. 9, 30-31, 36. 80 G85

18965 NICHOLS, M. L. Postwar plans for soil and water conservation. Agr. Engin. 25: 93. Mar. 1944. 58.8 Ag83



18966 PESCOTT, E. E. How watermelons stopped sand-hill from drifting. *Stock and Land* 34 (3): 2. Jan. 19, 1944. 49 St63

18967 RESENDE, ANTONIO. Conservação do solo, erosão e seu combate. *Ceres [Brazil]* 5(25): 27-45. Sept./Oct. 1943. 9.2 C332

18968 ROGERS, J. B. Soil and water conservation on orchard lands within the Contra Costa soil conservation district. *Amer. Soc. Hort. Sci. Proc.* 43:17-20. Nov. 1943. 81 Sol2

18969 TATE, ALFERD. The fate of Richland County Ill., is in its soil. *Richland Farmer* 17(3): 5-6. Mar. 1944. 275.293 Ill., Richland Co.

18970 TINDALL, CORDELL. Mistakes in terracing and what they teach us. *Mo. Ruralist* 85(6): 6, 22. Mar. 25, 1944. 6 R8891

18971 TRIPP, J. O. H. Erosion...a greater enemy than Hitler. The problem of the high country. *New Zeal. Farmer Weekly* 64 (25): 4-6. Feb. 10, 1944. 23 N484

18972 VERCESI, D. R. La erosión de los suelos en el Uruguay. Algunos antecedentes históricos. *Manabí, Ecuador. Consorcio de Cent. Agr. Bol.* 5 (36): 36-38, 40-42. Oct./Dec. 1943. 9.5 M31

18973 WILSON, H. M. Will it pay me to strip crop? *N. Y., Del. Co. Farm & Home Bur. News* 27(3): 2. Mar. 1944. 275.293 N. Y., Del. Co.

#### MATERIALS FOR SOIL IMPROVEMENT

18974 ANDREWS, W. F. Buying fertilizer for cotton in 1944. *Miss. Farm Res.* 7 (2): 3-4. Feb. 1944. 100 M69M1

18975 BOND, L. M. Fertilizers play part in war goals. *West. Farm Life* 46 (6): 3, 10. Mar. 15, 1944. 6 R153

18976 CONARD, KENNETH. Ohio fertilizer recommendations and changes. *Ohio Farm Bur. News* 23 (8): 16. Mar. 1944. 6 Oh34

18977 EDEN, T. Report of the agricultural chemist for 1942. *Tea Res. Inst. Ceylon. Bul.* 24, p. 37-41. 68.19 C33

Includes experiments with fertilizers.

18978 \*GIESECKE, F., MICHAEL, G., and KUHN, L. Über die Wirkung von Uniwapophosphat unter besonderer Berücksichtigung des zeitlichen verlaufs der phosphorsäureaufnahme aus verschiedenen phosphorsäuredüngemitteln. *Bodenk. u. Pflanzenernähr.* 32: 86-94. 1943. 384 Z343A

18979 \*GRIESBECK. Es ist zeit, den anbau- und düngungsplan für 1943/44 fertigzustellen. *Landesbauernschaft Bayern. Wchnbl. Ausg. A.* 133: 357. June 19, 1943. 18 B34W

18980 HIBON, J. La fumure des cultures de printemps et nos approvisionnements en engrais. *Fruits et Primeurs de l'Afrique du Nord* 13: 30-32, 52-53. Feb.-Mar. 1943. 80 F9482

18981 \*HOLLER, K. Praktische erfahrungen bei der landwirtschaftlichen verwertung städtischer abwässer. *Deut. Landeskult.-Ztg.* 12: 19-21. Feb. 1, 1943. 18 D484

18982 JONES, R. A. Plant food situation acute in '44. *West. Farm Life* 46(6): 3, 10. Mar. 15, 1944. 6 R153

18983 \*KAPPEN, H., SCHAAL, J., and KRIER, A. Weitere untersuchungen über die humatlöslichkeit der phosphorsäuredünger. *Bodenk. u. Pflanzenernähr.* 31: 357-376. 1943. 384 Z343A

18984 KING, A. S. Fertilizer supplies. *Oreg. State Hort. Soc. Proc.* (35th Ann. Rpt. 1943) 58: 29-32. 81 Or32

18985 LOAYZA, M. C. El guano de islas y la agricultura nacional. (Cont.) *Agronomia [Peru]* 8(34): 5-28. Dec. 1943. 9.8 Ag83

18986 MCGEORGE, W. T. Lowdown on fertilizer. *Ariz. Farmer* 23 (6): 20. Mar. 11, 1944. 6 Ar44

18987 MCMILLAN, DEWEY. The fertilizer situation in Ohio. *Ohio State Grange Monthly* 45(3): 5. Mar. 1944. 6 Oh33

18988 MILLAR, C. E. The fertilizer situation for 1943. *Mich. Muck Farmers Assoc. Proc.* (1943) 25: 8-9. 4 M5813

18989 PRINCE, F. S. Where do we stand with fertilizers? *Better Crops with Plant Food* 28(2): 13-16, 49. Feb. 1944. 6 B46

18990 REBOUR, H. Le problème de la fumure en 1943-1944. *Fruits et Primeurs de l'Afrique du Nord* 14: 15. Jan. 1944. 80 F9482

18991 ROBERTSON, W. C. Artificial fertilizers for 1944. Registrations and unit values. *Victoria. Dept. Agr. Jour.* 42: 23-24. Jan. 1944. 23 V66J

18992 \*SCHMITT, L. Der stand der prüfung der steinmehldüngungsfrage. *Forschungsdienst, Sonderheft* 16, p. 202-210. Berlin, 1942. 18 F772

18993 \*STECHE, EUSTACH. Die landwirtschaftliche verwendung des klärschlammes. *Gesundheits-Ingen.* 66: 119-122. Apr. 1943. 449.8 G33

18994 THORNE, D. W., and PETERSON, H. B. Getting the most out of fertilizers. *Farm & Home Sci.* 5(1): 1, 8-9. Mar. 1944. 100 UtlF

18995 WILCOX, J. C. What's in a fertilizer bag? Every grower should know what he is getting and using. *Country Life [British Columbia]* 28(3): 20. Mar. 1944. 7 C832

#### Primary Materials (N, P, and K Fertilizers)

18996 BROWN, B. E., and WHITTAKER, C. W. Ammonium nitrate for New England crops. *New England Homestead* 117 (5): 26. Mar. 11, 1944. 6 N442

18997 \*CHEVALIER, GASTON. Le nitrate d'ammoniaque. *Rev. de l'Afrique du Nord* 41: 191. Dec. 3, 1943. 80 R326

18998 \*GIESECKE, F., and MANTEL, E. Kalidüngungsfragen als zeitgenösse forschungsprobleme zur leistungssteigerung in der deutschen landwirtschaft. *Forschungsdienst, Sonderheft* 16, p. 177-180. Berlin, 1942. Ref., p. 178-180. 18 F776

18999 GONZALEZ TAFUR, O. B. El acido fosforico en los abonamientos peruanos. *Agronomia [Peru]* 8 (24): 29-31. Dec. 1943. 9.8 Ag83

19000 \*KVAERNER, G. J. Husdyrgjødslas spredning og nedmolding. *Norsk Landbruk* 9: 106-110. Apr. 16, 1943. 11 N8122

Method of spreading and placement of stable manure so as to reduce the loss of nitrogen.

19001 TRUOG, EMIL. Phosphate fertilizers. *Hoard's Dairyman* 89: 181. Mar. 25, 1944. 44.8 H65

19002 VOLKERDING, C. C. A study of some chemical and biological properties of metaphosphates and their utilization as soil fertilizers. *Cornell Univ. Abs. of Theses*, 1942: 451-454. 1943. 241.8 C81

#### Mineral Soil Amendments (lime, gypsum, etc.)

19003 ROBERTSON, W. C. The Agricultural Lime Act. Brands registered for 1944. *Victoria Dept. Agr. Jour.* 42: 17-18. Jan. 1944. 23 V66J

#### Manures and Composts

19004 \*ABAD, J. R. Abonos organicos de gran valor fertilizante. *Surco [Madrid]* 2(6): 19-20. Aug. 1942. 15 Su7

19005 ANDERSON, P. J. Substitutes for cottonseed meal in the tobacco fertilizers. *New England Homestead* 117 (5): 17, 22. Mar. 11, 1944. 6 N442



- 19006 \*BEINERT, KARL. Gewinnung und einsatz der wirtschaftsdünger im 5. kriegsjahr. Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 604-605. Nov. 13, 1943. 18 B34W
- 19007 BUSH, R. G. W. The modern rubbish heap. Much refuse that used to go on the rubbish heap can now be made into very useful manure by the simple process of composting. Farmers Weekly [London] 20 (10): 31. Mar. 10, 1944. 10 F2226
- 19008 CASTAÑEDA DE ROMERO, J. E. La acción fertilizante de estiércol perdura varios años. Agr. Costarricense 1: 295-298. Nov./Dec. 1943. 8 Ag895
- 19009 CHAPMAN, C. J. Getting full value from manure. Hoard's Dairyman 89: 134, 150. Mar. 10, 1944. 44.8 H65
- 19010 DEASY, D. Artificial farmyard manure. Irish Agr. and Creamery Rev. 13(121): 10-11. Jan. 1944. 44.8 C866
- 19011 DREW, J. P., and DEASY, D. Artificial farmyard manure. Éire. Dept. Agr. Jour. 40: 252-256. Sept. 1943. 10 Ir2J
- 19012 \*MICHEL, VON. Die behandlung des schafmistes. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 541-542. Oct. 16, 1943. 18 Sa9
- 19013 \*FIETKAU, FRITZ. Kompost ist ein wichtigen wirtschaftsdünger. Landesbauernschaft Bayern. Wchnbl. Ausg. A. 133: 472. Aug. 28, 1943. 18 B34W
- 19014 \*GREVE, M. Stalldüngens udbringning. Ugeskr. for Landmaend 88: 761. Oct. 28, 1943. 11 Ug3
- Directions for the utilization of stable manure.
- 19015 GRIMM, CARLOS. El estiércol de aves de corral. Sus cualidades como fertilizante. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8 (12): 25-27. Dec. 1943. 286.8 M575
- 19016 \*HEERING, K. Die bedeutung des schafdunges. Deut. Landw. Tierzucht 47: 208. Oct. 23, 1943. 49 D48
- 19017 HUNTER, N. C. Compost. Gard. Gossip 19 (2): 8. Feb. 1944. 80 G1625
- 19018 JONES, C. M. Importance of fertilizer. Shorthorn World 28 (23): 40-41. Feb. 25, 1944. 43.8 Sh8
- 19019 O., C. S. Composts or artificials best for the soil? Field 183:258. Mar. 4, 1944. 10 F45
- 19020 RAIMO, H. F. O esterco das aves produção e valor como adubo. Rev. dos Criadores 14 (16): 71-73. Dec. 1943. 43.8 R32
- 19021 \*REINHOLD, J. Der kompost. Forschungsdienst, Sonderheft 16, p. 115-123. Berlin, 1942. 18 F772
- 19022 \*SCHMIDT, H. W. Ist hühnermist für obstbäume schädlich? Schweiz. Gart., No. 3, p. 70. Mar. 1943. 80 Sch93
- 19023 \*SCHMITT, L., and HASPER, E. Wirkstoffe und biologisch-dynamische wirtschaftsweise. Bodenk. u. Pflanzenernähr. 30: 65-95. 1942. 384 Z343A
- 19024 TIMSON, S. D. Garden compost. Rhodesia Agr. Dept. Bul. 1250, 4 p. Salisbury, n. d. 24 R345

## FORESTRY

## FOREST ECONOMICS AND POLICY

- 19025 \*BÜHRER, H. Der wald und die rentabilität; die stimme eines genferischen volkwirtschafters. Schweiz. Ztschr. f. Forstw. 94: 309-312. Sept. 1943. 99.8 Sch9

Discusses the economic relationship between forestry and agriculture.

- 19026 \*BUHLER. Einkommensbegriff und ausserordentliche waldnutzungen. Deut. Forstwirt 25: 153-156, 161-164. Apr. 30-May 7, 1943. 99.8 D483
- The question of taxation in regard to excessive clearing of timber and salvage cuttings.

- 19027 CALLISON, CHARLES. Missouri timber in war production. Mo. Farmer 36(5): 3-4. Mar. 1, 1944. 6 M 696

## Progress of the Timber Production War Project.

- 19028 CAMERON, D. R. Dominion field in post-war forestry; scope of problem outlined together with range of possible activities. Canada Lumberman 64 (6): 17-18. Mar. 15, 1944. 99.81 C16

- 19029 COURTHOPE, SIR GEORGE. Private woodlands; note on the Supplementary Report by the Forestry Commissioners on post-war policy. Chartered Surveyors' Inst. Jour. 23: 386-387. Mar. 1944. 282.9 C38J

- 19030 DUERR, W. A. Appalachian forests - full and better use. U. S. Bur. Agr. Econ. Land Policy Rev. 7: 16-21. Spring 1944. 1 Ec71a

The place of forests in the economic prospects of the region.

- 19031 \*EBERTS. Leistungssteigerung durch bildung von forstverbänden. Deut. Forstwirt 25: 185-191. May 28, 1943. 99.8 D483

Includes regulations governing the establishment of cooperative forestry associations.

- 19032 \*FENNEL, HANNS. Vom forstlichen zinsfuss, vorder umtriebszeit und andern statistischen fragen. Forstwiss. Centbl. 64: 193-201. Sept. 1942. 99.8 F775

Forest economics and statistics.

- 19033 KINNARD, VIRGINIA. Britain's trees will grow again; afforestation projects will affect post-war lumber trade. U. S. Dept. Com. Foreign Com. Weekly 14(8): 8-9, 32-33. Feb. 19, 1944. 157.54 F763

Discusses the British Forestry Commissioners' plan for post-war forestry.

- 19034 KOROLEFT, A. Our future wood supply. Pulp and Paper Mag. Canada 45: 221, 223, 225, 227, 229. Convention Issue 1944. 302.8 P96

Deals mainly with policies and management practices in relation to future pulpwood supplies.

- 19035 PATTERSON, A. E. Stumpage and forest land values. Ga. Univ. George Foster Peabody School Forestry. Leaflet 1, 4 p., processed. Athens, Apr. 1943. 99.9 G297

- 19036 RISI, JOS. Au carrefour de l'opinion forestière. Forêt Québécoise 7: 251-266. Apr. 1944. 99.8 F79

- 19037 ST-ANTOINE-DE-PADOUE, colonie agro-sylvicole. Forêt Québécoise 7: 144-145. Mar. 1944. 99.8 F79

- 19038 SMITH, N. F. Timber trouble-shooting. Mich. Conserv. 13(2): 4-5, 11. Feb. 1944. 279.9 M582

Work of the Timber Production War Project, Michigan.

- 19039 \*STALMANN. Norwegen: Volk, raum und wirtschaft. Deut. Forstwirt 25: 39-41, 49-51, 57-60. Jan. 29-Feb. 12, 1943. 99.8 D483

Describes Norwegian forests and lumber industry in normal times and under German occupation.

- 19040 STEBBING, E. P. The forest as a factory. Nature [London] 153: 243-245. Feb. 26, 1944. 472 N21

Emphasizes the need for professional supervision to avoid destructive exploitation of forests.

- 19041 WATTS, L. F. Where are the goal posts? Jour. Forestry 42: 159-163. Mar. 1944. 99.8 F768
- Discusses forest policy, with special reference to the South.



Exports and Imports

19042 \*\*VEZINA, FRANÇOIS. Le commerce du bois et de ses dérivés. *Actualité Econ.* 19e année, Vol. 2, p. 17-42. Nov. 1943.

Listed in *Amer. Geog. Soc. Cur. Geog. Pubs.* 7: 7. Jan. 1944. 241.6 Am3

Industrial Forestry

19043 MARTIN, C. S. Organizing western timber properties for sustained production. *Yale Forest School News* 32: 22-23. Apr. 1944. 99.8 Y1

19044 PATTERSON, A. E. After the war...? *South. Lumberman* 168(2111): 31-32. Mar. 15, 1944. 99.81 So82

Continuous production versus liquidation as a policy for southern forest operators.

19045 WRIGHT, J. A. Hard-boiled business turns to forestry. *Forbes* 53(7): 18, 20. Apr. 1, 1944. 280.8 F74

Industrial forestry practiced by Nekoosa-Edwards Paper Co., Port Edwards, Wis.

Legislation

19046 ALLEN, J. H. Legislation we need for forestry in the South. *South. Pulp and Paper Jour.* 6(10): 26, 37. Mar. 1944. 302.8 So8

19047 MEYER, H. A. Mexican forest law of March, 1943. *Jour. Forestry* 42: 213-214. Mar. 1944. 99.8 F768

19048 \*PFLANZ. 4 jahre protektorat Böhmen und Mähren. *Deut. Forstwirt* 25: 106-107. Mar. 19, 1943. 99.8 D483

Forest legislation in Bohemia and Moravia, chiefly after the German occupation.

19049 WEITZELL, E. C. Maryland's forest conservation law. *Jour. Land and Pub. Util. Econ.* 19: 479-480. Nov. 1943. 282.8 J82

Discusses legislation enacted by 1943 assembly of Maryland Legislature.

Prices

19050 CEILING prices established for yellow cypress by OPA. *South. Lumberman* 168(2110): 30-32. Mar. 1, 1944. 99.81 So82

FOREST DESCRIPTION AND RESOURCES

19051 BUTTRICK, P. L. Nazi "forestry." *Amer. Forests* 50: 110-112, 143-144. Mar. 1944. 99.8 F762

Forest conditions in occupied Europe.

19052 CALLISON, CHARLES. The Wegener woods. *Mo. Conserv.* 5(2): 13. Feb. 1944. 279.8 M69

Describes only known remaining virgin upland oak-hickory stand in Missouri.

19053 CROSS, MARC. The forest resources of Middle and South America. *Packing and Shipping* 70(10): 6-8. Feb. 1944. 289.8 P12

19054 \*GAMS, H. Die Wälder Südrusslands und ihre Geschichte. *Forstarchiv* 19: 69-85. Mar. 15, 1943. Ref., p. 84-85. 99.8 F7723

19055 GORDON, SETON. Can the old Caledonian Forest be saved? *Country Life* [London] 95: 248-249. Feb. 11, 1944. 80 C83

Descriptive and historical notes on this ancient forest, with a plea for its preservation.

19056 RISI, JOS. Un peu de statistiques. *Forêt Québécoise* 7: 127-128. Mar. 1944. 99.8 F79

Statistics of forested areas of the world.

19057 \*\*ROUSSEAU, L. Z. La forêt québécoise. *Actualité Econ.* 19e année, Vol. 1, p. 201-238. June/July 1943.

Listed in *Amer. Geog. Soc. Cur. Geog. Pubs.* 6: 242. Oct. 1943. 241.6 Am3

19058 \*WACHHOLTZ, R. Die forstlichen verhältnisse und die Voraussetzungen einer Holzwirtschaft in der Ukraine. *Forstarchiv* 19: 55-68. Mar. 15, 1943. 99.8 F7723

Individual Genera and Species

19059 GREEN, BURDETT. Irreplaceable walnut gunstocks major factor in gunpower success of Allies; walnut absorbs recoil, resists shock best. *Timber Topics* 7(1): 1, 4, 10. Mar./Apr. 1944. 99.81 T486

19060 HOLDRIDGE, L. R. Arboles de Puerto Rico. *Puerto Rico. Dept. Agr. y Com. Bol. Mens.* 2(7): 2; (11): 7; (12): 13. July-Dec. 1943. 8 P963

*Andira inermis*; *Guaiaecum sanctum*; *Trichilia pallida*.

19061 PESCONT, E. E. Casuarinas' future in paper pulp industry here [in Australia]? *Stock and Land* 33(51): 2. Dec. 22, 1943. 49 St63

19062 SCHIFFINO, JOSÉ. Caoba [*Swietenia mahagoni*]. *Rev. de Agr. [Dominican Repub.]* 34: 564-567. Sept./Oct. 1943. 8 R323

19063 TIMBER LEAFLET. Processed. London, Timber Devlpt. Assoc., Ltd., [1941?]-1943. 99.9 T48

Contents: 1, Alder; 4, Canadian birch; 5, Black bean [*Castanospermum australe*]; 7, Honduras cedar [*Cedrela odorata*]; 10, Home grown chestnut; 10A, Cottonwood; 11, Bald cypress; 12, Douglas fir; 13, Elm; 14, Gaboon [*Aucoumea klaineana*]; 15, Gurjun [*Dipterocarpus* spp.]; 17, Iroko [*Chlorophora excelsa*]; 18, Jarrah [*Eucalyptus marginata*]; 20, Magnolia; 21, Honduras mahogany; 22, Spanish mahogany; 24/25, Maple; 26, American white oak; 27 & 31, English and Volhynian oak; 28, Japanese oak; 29, Silky oak [*Cardwellia subulnis*]; 30, Tasmanian oak [*Eucalyptus* spp.]; 32, Andaman padauk [*Pterocarpus dalbergioides*]; 33, Pitch pine [*Pinus palustris*]; 34, Canadian white pine [*Pinus strobus*]; 35, Red gum [*Liquidambar styraciflua*]; 36, Red lauan [*Shorea* spp.]; 37, European redwood [*Pinus sylvestris*]; 38, Indian rosewood; 39, East Indian satinwood; 40, Indian silver greywood, also white chuglan [*Terminalia bialata*]; 41, Sitka spruce; 42, Sycamore [*Acer pseudoplatanus*]; 43, Teak; 44, African walnut [*Lovoa*]; 45, American black walnut; 47, European walnut; 48, Whitewood [*Picea abies*]; 49, Hornbeam; 50, Yew; 51, Cherry; 52, Home grown Douglas fir; 53, Lime [*Tilia* spp.]; 55, Afara [*Terminalia superba*]; 56, Obeche [*Triplachiton scleroxylon*]; 57, Agba [*Gossweilerodendron balsamiferum*]; 58, Idigbo [*Terminalia ivorensis*]; 59, Canadian spruce; 60, Peroba [*Aspidosperma polyneuron* and *Paratecoma peroba*]; 61, Parana pine [*Araucaria angustifolia*]; 62, Tupelo; 63, Home grown poplar; 64, Red pine; 65, Jack pine; 66, Balsa; 67, Willow; 68, Plane; 69, Home grown birch; 70, Horse chestnut; 72, Box; 74, Pear; 75, Home grown Scots pine; 76, Tasmanian myrtle [*Nothofagus cunninghami*]; 77, Freijo [*Cordia goeldiana*], jequibita [*Cariniana* spp.], and louro vermelho [*Ocotea rubra*]; 78, Angico [*Piptadenia* spp.], and Pithecellobium incuriale]

FOREST ADMINISTRATION AND MANAGEMENT

19064 ALLEN, G. S. Management recommendations for the hemlock and associated forest types of the Juan de Fuca region of southwestern Vancouver Island. *Brit. Columbia Forest Serv. Res. Notes* 11, 13 p., processed. Victoria, Jan. 13, 1944. 99.9 B771

19065 \*AUBERT, SAM. À propos des déboisements effectués dans le Jura vaudois. *Jour. Forest. Suisse* 95: 11-13. Jan. 1944. 99.8 J82

Protests against unnecessary overcutting.

19066 \*BARTH, J. Die forst- und holzwirtschaft in den besetzten Ostgebieten. *Forstarchiv* 19: 30-36. Mar. 15, 1943. 99.8 F7723

19067 \*BEER, F. Das forstwirtschaftsjahr 1944 und seine aufgaben. *Mitt. f. die Landw.* 58: 887-888. Oct. 23, 1943. 18 D48M

Measures taken in Germany to ensure supplies of wood for war needs in 1944.



19068 CLARK, D. A. Interesting experience with chemically treated pulpwood. Canada Lumberman 64(7): 30. Apr. 1, 1944. 99.81 C16

Tells of experiments in chemical treatment of live standing trees to facilitate bark removal.

19069 \*FRANCKE, C. Forsteinrichtung als ausgabe. Deut. Forstwirt 25: 29-31. Jan. 22, 1943. 99.8 D483

Discussion of Gustav Baader's "Forsteinrichtung als nachhaltige betriebsführung und betriebsplanung," 1942.

19070 \*HASLUND, OVE. Hogstklasseinndelingen som grunnlag for driftsplan og avvirkningsberegning. Kontroll med foryngelsesfeltene. Skogbrukeren 18: 165-166. Nov. 1, 1943. 99.8 Sk54

Estimation of forest income and management plan based on cutting class division.

19071 \*HEGER, A. Aufbau und leistung von natur-nahen wäldern im osten und ihre forstwirtschaftliche behandlung. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 166-189. Sept. 1943. 99.8 F775

Forests and forest management in Poland.

19072 \*HOHEISEL, A. Grundlagen und möglichkeit-en der rationalisierung der waldarbeit im Generalbe-zirk Lettland. Forstarchiv 19: 43-55. Mar. 15, 1943. 99.8 F7723

Possibilities for improving forest management in Latvia.

19073 \*KENNEL, HANNS. Die umtriebszeiten und das verhältnis von buche und fichte. Forstwiss. Jahrb. u. Tharandter Forstl. Jahrb. 1943, No. 5, p. 205-215. Sept. 1943. 99.8 F775

Determination of a rotation period and comparison of productivity of beech and spruce, from an economic point of view.

19074 MCCULLOCH, W. F. Willamette Valley forest management. (To be cont.) Forest Log 13(8): 7. Mar. 1944. 99.8 F7631

19075 MCGOWIN, J. F. Research looms as deciding factor in forestry production and utilization. South. Lumber Jour. 48(3): 40, 74-75. Mar. 1944. 99.81 So8

19076 MULLOY, G. A. Costs of brush burning. Canada. Forest Serv. Silvio. Leaflet 19, 1 p., pro-cessed. Ottawa, Feb. 1944. 99.9 C163

19077 \*SCHLABITZ, W. Die forst- und holzwirt-schaftlichen verhältnisse im Reichskommissariat Ost-land. Forstarchiv 19: 36-42. Mar. 15, 1943. 99.8 F7723

19078 \*VANSELOW, K. Ergebnisse der Bayerische durchforstungsversuche. I. Fichtenbestände. Forst-wiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 4, p. 105-136. June 1943. 99.8 F775

Report of thinning experiments with spruce, Bavaria.

19079 \*WOBST, W. Probleme der zuwachs- und ertragslehre. Deut. Forstwirt 25: 121-124. Apr. 2, 1943. 99.8 D483

Discusses practical aspects of increment and yield theory.

#### Administration

19080 \*HOCKE. Drei jahre einheitsforstamt im Reichsgau Danzig-Westpreussen. Deut. Forstwirt 25: 145-147. Apr. 23, 1943. 99.8 D483

On the organization and objectives of a forest ad-ministration in German-occupied territory.

19081 \*HVEDING, ARTHUR. Kontorstell i skogbruks-bedrift. Skogbrukeren 18: 181-182, 184-185, 192-194. Dec. 1, 15, 1943. 99.8 Sk54

Forest bookkeeping.

19082 \*MANTEL, WILHELM. Die unterabteilung. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 4, p. 73-104. June 1943. 99.8 F775

The administration of a small permanent forest unit.

#### Farm Woodlands

19083 COPE, J. A. When is a timber tree mer-chantable? [N. Y.] Orange Co. Farm Bur. News 21(3): 2. Mar. 1944. 275.293 N. Y., Orange Co.

19084 CURTIS, J. D. Cutting the farm woodlot. Rural New-Yorker 103: 119. Mar. 4, 1944. 6 R88

19085 DAMBACH, C. A. Comparative productiveness of adjacent grazed and ungrazed sugar-maple woods. Jour. Forestry 42: 164-168. Mar. 1944. 99.8 F768

19086 DELISLE, ROCH. L'exploitation de l'érable pour sa sève. Forêt Québécoise 7: 271-282. Apr. 1944. 99.8 F79

Economic aspects of sugar-maple management.

19087 EDWARDS, E. J. K. The raising and plant-ing of trees on the farm. Rhodesia Agr. Jour. 40: 394-403. Nov.-Dec. 1943. 24 R34

Reprinted as Rhodesia Min. Agr. and Lands. Bul. 1248, 11 p. Salisbury, 1943. 24 R345

19088 GUILLEBAUD, W. H. Treatment of felled or devastated farm woodlands. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 561-565. Mar. 1944. 10 G79J

Consists largely of information regarding reforesta-tion.

19089 \*MEIERHOFER, EUGEN. Aufforstung von wind-schutzstreifen und feldgehölzen. Schweiz. Bienen Ztg. 66: 404. Oct. 1943. 424.8 Sch9

19090 NORRIS, H. C. Forest conservation in Lo-rain County. Ohio State Grange Monthly 47(3): 6. Mar. 1943. 6 Oh33

Account of conservation and improvement of farm woodlands.

19091 SYME, P. S. Farm shelter. New Zeal. Jour. Agr. 68: 89-97. Feb. 15, 1944. 23 N48J

Suggests species and planting methods for wind-breaks and hedges in New Zealand.

#### Mensuration

19092 \*BAUERSACHS, EWALD. Bestandesmassenauf-nahme nach dem mittelstammverfahren des zweitklein-sten stammabstandes. Forstwiss. Centbl. 64: 182-186. Aug. 1942. 99.8 F775

On the selection of sample trees for determination of stand volume.

19093 DEMERITT, D. B. More about predicting growth. Jour. Forestry 42: 215. Mar. 1944. 99.8 F768

19094 GRAVES, J. B. The rigid diameter tape rule. Jour. Forestry 42: 190-191. Mar. 1944. 99.8 F768

19095 GUSTAFSON, R. O. Cull as determined from basal wounds in Kentucky highlands timber. Jour. Forestry 42: 181-184. Mar. 1944. 99.8 F768

19096 \*MARKUS. Zur frage der einheitlichen er-tragsklassen. Deut. Forstwirt 25: 1-3. Jan. 1, 1943. 99.8 D483

Discusses height of stand vs. stand volume as basis for yield classification.

19097 MEYER, W. H. A method of volume-diameter ratios for board-foot volume tables. Jour. Forestry 42: 185-189. Mar. 1944. 99.8 F768

19098 \*RAVE, D. Beitrag für die vereinheitlich-ung der ertragstafeln. Deut. Forstwirt 25: 86-87. Mar. 5, 1943. 99.8 D483

On the standardization of yield tables, using pine and birch as examples.

19099 \*STACH. Festmeter statt raummeter. Deut. Forstwirt 25: 65-67. Feb. 19, 1943. 99.8 D483

Discusses advantages, especially in simplification of bookkeeping, of using solid volume instead of stacked volume.

19100 \*STACH. Mit oder ohne rinde? Deut. Forstwirt 25: 169-171, 178-179. May 14-21, 1943. 99.8 D483

Discusses advantages and disadvantages of measuring cordwood with or without bark.



19101 WEDDELL, D. J. Pulpwood facts and figures. Ga. Univ. George Foster Peabody School Forestry. Leaflet 2, 3 p., processed. Athens, June 15, 1943. 99.9 G297

A compilation of useful tables of measurement.

#### FOREST PROTECTION AND DAMAGE

19102 \*\*MAHEUX, GEORGES. La protection des forêts [Québec]. Actualité Econ. 19e année, Vol.1, p. 280-306. June/July 1943.

Listed in Amer. Geog. Soc. Cur. Geog. Pubs. 6:242. Oct. 1943. 241.6 Am3

#### Fire

19103 BERNIER, G. H. Coordination des organisations de protection. Forêt Québécoise 7: 83-84. Feb. 1944. 99.8 F79

19104 BERNIER, G. H. Distribution des forêts de la Province au point de vue protection contre l'incendie. Forêt Québécoise 7: 142-143. Mar. 1944. 99.8 F79

19105 BERNIER, G. H. Le système provincial de protection contre les feux de forêts. Forêt Québécoise 7: 6-7. Jan. 1944. 99.8 F79

19106 BYRD, D. H. Flyin' fire fighters in east Texas. Civil Air Patrol will report fires and relay information to ground fighters. East Tex. 18(6): 9, 17. Mar. 1944. 6 Ea73

19107 COWLES, F. H. Dangers in forest fire insurance. Jour. Forestry 42: 212-213. Mar. 1944. 99.8 F768

19108 HUNT, J. C. Fire prevention where it counts. Facing the facts about man-caused fires - and what can be done about them. Amer. Forests 50: 116-117, 139-140. Mar. 1944. 99.8 F762

19109 JENSSSEN, S. A day in the life of a ranger; how the vigilant sentries of Canada's forest riches carry on their jobs - a true diary from dawn to dark. Forest & Outdoors, Mar. 1944, p. 61-62, 64. 99.8 C16

19110 KIEFFER, HENRI. Pour l'amélioration du système de protection. Forêt Québécoise 7: 213-214. Apr. 1944. 99.8 F79

Suggestions for the improvement of the Service de la Protection, Dép. des Terres et Forêts, Québec.

19111 LINDBERG, R. C. Snag falling with hand and power saws. Part I. Handsawing. Timberman 45(1): 30-31, 34, 36, 38, 40, 42. Nov. 1943. 99.81 T484

19112 MEADE, O. L. A grader disc for firebreak maintenance. Jour. Forestry 42: 216-217. Mar. 1944. 99.8 F768

19113 PESKOTT, E. E. Hedges in the bush-fires. Stock and Land 34(5): 2. Feb. 2, 1944. 49 St63

Notes on fire resistance of various Australian trees and hedge plants.

#### Meteorological Injuries

19114 WHITE, W. E. Texas ice storm; greatest timber salvage project since New England hurricane launched in wake of widespread damage. Amer. Forests 50: 108-109. Mar. 1944. 99.8 F762

#### SILVICULTURE

See Items 17946-17962

#### LUMBERING

19115 BRUNDAGE, F. H. Program for winter operations. Timberman 45(1): 98. Nov. 1943. 99.81 T484

Adjustments and practices outlined by Western Log and Lumber Administrator.

19116 JONES, DOUGLAS. Our future wood requirements. Pulp and Paper Mag. Canada 45: 213, 215, 217, 219. Convention Issue 1944. 302.8 P96

Suggests improved logging and milling practices to increase productivity and decrease waste.

19117 TELFORD, C. J. Manufacture of lumber from stump to pile. (To be cont.) Canada Lumberman 64(6): 19-20; (7): 24-26. Mar. 15, Apr. 1, 1944. 99.81 C16

#### Equipment

19118 HOLMES, O. L. Safety features in truck logging. Timberman 45(1): 88-89. Nov. 1943. 99.81 T484

#### Logging

19119 HANDLING and towing logs in steel banded bundles. Canada Lumberman 64(6): 21, 27. Mar. 15, 1944. 99.81 C16

19120 \*LANGE, O. L. Tidsinndeke for skogskjøring. Skogbrukeren 18: 157-159. Oct. 15, 1943. 99.8 Sk54

Method of correlating volume of wood and hauling time.

19121 \*PLINER, L. A. E. G. Džukova i ee brigada [E. G. Džukova and her brigade]. Lesnafa Promysh. 1943, No. 3, p. 18-21. Mar. 1943. 99.82 L56  
Discusses Džukova's contribution in organizing labor production in the woodcutting industry.

19122 \*SCHULZ, F. Der forstwirt und die verkehrsentflechtung für rohholz. Deut. Forstwirt 25: 60-61. Feb. 12, 1943. 99.9 D483

Deals with regulations for transporting rough logs.

19123 WHISKER, A. M. Safety problem in logging. West Coast Lumberman 71(3): 41-42. Mar. 1944. 99.81 W52

19124 WRIGHT, W. G. Activities of the Woodlands Section; annual report to the Canadian Pulp and Paper Association. Pulp and Paper Mag. Canada 45: 211, 219. Convention Issue 1944. 302.8 P96

#### Lumber Industry

19125 MACKIN, H. J. Expects lumber to continue in heavy demand with production easing-off. Canada Lumberman 64(7): 22-23, 42. Apr. 1, 1944. 99.81 C16

19126 O'BRIEN, W. H. Get ready for victory [in the lumber industry]. South. Lumberman 168(2110): 51-52. Mar. 1, 1944. 99.81 So82

19127 ROSS, E. W. We must improve our methods. [Excerpts.] Canada Lumberman 64(5): 16. Mar. 1, 1944. 99.81 C16

Accomplishments and outlook of Canadian Lumbermen's Association.

19128 WILLIAMSON, A. H. ...Accomplishments of timber control. Canada Lumberman 64(5): 20-21. Mar. 1, 1944. 99.81 C16

Effects of control on the Canadian lumber industry.

#### Sawmills

19129 DOREMUS, F. M., and STAUFFER, L. M. Amplydne drive for sawmill carriage gives economical service. West Coast Lumberman 71(3): 18-19, 110. Mar. 1944. 99.81 W52

19130 \*GULOWSEN, K. T. Stavskjaering ved sirkelsagbruk. Skogbrukeren 18: 189, 190, 192. Dec. 15, 1943. 99.8 Sk54

New process for cutting staves.

19131 HUNDRED western mills which cut most lumber in 1943. West Coast Lumberman 71(3): 20. Mar. 1944. 99.81 W52

19132 \*PAUSE, HEINRICH. Die antriebsleistung der holzhobelmaschinen. Holz als Roh- u. Werkstoff 6: 54-60. Feb. 1943. 99.81 H74

Accurate estimation of the output of wood-planing machines.



## WOOD PROPERTIES

Chemical and Physical Properties

19133 AMERICAN SOCIETY OF CIVIL ENGINEERS. STRUCTURAL DIVISION. COMMITTEE ON TIMBER STRUCTURES. Classified bibliography on the physical and mechanical properties of wood and the design and construction of timber structures. Amer. Soc. Civ. Engin. Proc. 70: 321-339. Mar. 1944. 290.9 Am3P

19134 BARKAS, W. W. Wood water relationships. VIII. Some elastic constants and swelling pressures of natural wood and of its gel material. Faraday Soc. Trans. 38: 447-462. Oct. 1942. 382 F22

19135 \*BITTNER, J. Hefufigkeitsuntersuchungen an flugzeugsperrhölzern. Holz als Roh- u. Werkstoff 6: 18-19. Jan. 1943. 99.81 H74

Compares tensile strength of Canadian and European birch for airplane plywood.

19136 CARLOS SEDLAK, JUAN. Resistencia a la torsión de la madera compensada empleada en la industria de la aviación. Maderil 16(185): 11-13. Nov. 1943. 99.82 M26

19137 \*GROSSLER, W. Holztechnologische Untersuchungen an hochgebirgsbuchen. Holz als Roh- u. Werkstoff 6: 81-86. Mar. 1943. 99.81 H74

Technological comparison of woods from high mountain and lowland beeches.

19138 LEWIS, C. B., and SWABEY, C. Notes on furniture cracking in Jamaica. U. S. Forest Serv. Caribbean Forester 5: 94-97. Jan. 1944. 1.9622 T2C23

Describes effect of unusual humidity conditions on local woods.

19139 LIGNIN in wood. Tentative TAPPI method. Pulp and Paper Mag. Canada 45: 312-313. Mar. 1944. 302.8 P96

19140 \*\*SHARKOV, V. I. An irrigation method for the hydrolysis of wood. Lesnaya Ind., 1940, No. 10/11, p. 56-60.

Abs. in Chem. Abs. 38: 863. Feb. 20, 1944. 381 Am33C

19141 STEPNIIEWSKI, W. Stressed-skin wooden construction; weight and strength compared with aluminum alloys. Engin. Digest (Amer. Ed.) 1: 42-45, 119-124. Dec. 1943, Jan. 1944. 290.8 En391A

From Aircraft Engin. 15: 110-112, 126-131. Apr., May 1943.

19142 YORSTON, F. H. Recent advances in the chemistry of wood. Pulp and Paper Mag. Canada 45: 266, 268, 270. Convention Issue 1944. 302.8 P96

Preservative Treatment

19143 JONES, N. C. The fireproofing of wood. Soc. Chem. Indus. Chem and Indus. 63: 98-99. Mar. 11, 1944. 382 M31C

19144 RICH, P. J. Causes and reasons for change in wooden box stains for Army. History of development of U.S. Army Specification 3-189, stain, water soluble, preservative. Wooden Box and Crate 6(1): 13-14, 20. Feb. 1944. 99.82 W857

19145 \*SCHULZE, BRUNO, and THEDEN, G. Beobachtungen über das eindringvermögen von holzschutzmitteln beim spritzen und tauchen. Holz als Roh- u. Werkstoff 6: 17-18. Jan. 1943. 99.81 H74

Compares effect of spray method and short immersion method on penetration of preservative in wood.

19146 \*WAGNER, HANS. Holzschutz ein gebot der stunde. Landesbauernschaft Bayern. Wchnbl. 133: 332A. June 5, 1943. 18 B74W

Preservative treatment by impregnation of wood for farm use.

Seasoning and Conditioning

19147 RAUPACH, C. V. A second front in lumber seasoning, kiln drying. West Coast Lumberman 71 (3): 82, 84. Mar. 1944. 99.81 W52

19148 \*\*THE SALT seasoning of large dimension Douglas fir. Austral. Timber Jour. 9: 15. Feb. 1943. (Madison Sub-Branch Lib.)

Abs. in Forestry Abs. 5: 126. 1943. 241.01 In7

19149 SMITH, H. S. Speeded up kiln drying schedule for aspen boxing and crating lumber. Wood Prod. 49(3): 46, 48, 50, 52-53. Mar. 1944. 99.82 W856

19150 TIEMANN, H. D. How wood behaves in drying. 6. Drying schedules for pervious and impervious woods. South. Lumberman 168(2111): 53-54. Mar. 15, 1944. 99.81 So82

## WOOD UTILIZATION

19151 \*BORNAND, G. H. Points de vue touchant l'utilisation du bois. (To be cont.) Jour. Forest. Suisse 95: 25-29. Feb. 1944. 99.8 J82

19152 \*BUCHHOLZ, E. Die forstlichen sondernutzungen in den besetzten Ostgebieten und im Sowjetraum. Forstarchiv 19: 108-120. Mar. 15, 1943. 99.8 F7723

Discusses various forest products other than wood.

19153 COLLINS, CHAPIN. Teaching wood to fight. The U. S. Forest Products Laboratory is proving an effective arsenal. Amer. Forests 50: 122-123, 136. Mar. 1944. 99.8 F762

19154 COREY, A. J., and MOORE, T. R. The saccharification of wood for ethanol production. Pulp and Paper Mag. Canada 45: 167-170. Convention Issue 1944. 302.8 P96

19155 DRUCE, J. G. F. Russian progress in wood distillation. Indus. Chem. and Chem. Mfr. 20: 117-118. Mar. 1944. 382 In22

19156 HOW FAIRCHILD applied electronics to speed production on wood aircraft parts. Wood Prod. 49(3): 16-17, 40, 42, 44. Mar. 1944. 99.82 W856

19157 LOEB, A. A. Aspects of the ship knees business. West Coast Lumberman 71(3): 41-42. Mar. 1944. 99.81 W52

19158 SERGI, FERNANDO. Aplicaciones y usos ilimitados ha alcanzado la madera en la actualidad. Maderil 16(185): 25-27. Nov. 1943. 99.82 M26

19159 STEPHAN, J. T. Fabricating laminated beams or structural members using warm-temperature setting adhesives by new process. Brit. Columbia Lumberman 28(3): 58. Mar. 1944. 99.61 B77

Adhesives

19160 DELMONTE, J., and SMITH, L. Cold set furfural resin adhesives for plywood. Plastics Trends 4(5): 5-6. Mar. 1, 1944. 309.8 P692

19161 HODGINS, T. S. Plyophen for war. Pacific Plastics 2(2): 18-20, 40. Feb. 1944. 309.8 P12

Plyophen is a trade name for plastics resins manufactured by Reichhold Chemicals, Inc., and used as adhesive in making plywood.

Barrels, Boxes, and Crates

19162 BOYD, J. P. Boxes and crates have important war roles. Wooden Box and Crate 6(1): 10-11. Feb. 1944. 99.82 W857

19163 FIDDES, JAMES. Boxboard industry's future; high frequency current method for drying, heating and welding. Timber Trades Jour. 168: 392. Feb. 26, 1944. 99.81 T48

19164 NELSON, T. J. Knockdown method for "Bliss" type fiber shipping cases to permit salvage and reuse. Paper Trade Jour. 118(TAPPI Sect.): 96. Mar. 16, 1944. 302.8 P196

Building Construction

19165 RITCHIE, J. A. Fire-resistive wood construction. Brit. Columbia Lumberman 28(3): 60, 62. Mar. 1944. 99.81 B77



19166 SWEET, C. V. Presenting semi-prefabrication. Amer. Lumberman, No. 3277, p. 26-27. Mar. 18, 1944. 99.81 Am3

Outlines system employing pre-finished unit panels of moderate size in conjunction with conventional framing.

19167 U. S. WAR PRODUCTION BOARD. CONSERVATION DIVISION. National emergency specifications for the design, fabrication and erection of stress grade lumber and its fastenings for buildings. U. S. War Prod. Bd. Conserv. Div. Directive No. 29, 63 p. Washington, 1943. Ref., p. 62-63. 173.409 D622

#### Charcoal

19168 DELGADO BARRENECHEA, J. C. Monografia sobre "el carbon vegetal." Univ. Nac. Mayor de San Marcos. Facult. de Cien. Econ. Rev., No. 27, p. 98-118. Aug. 1943. 280.8 R328

Charcoal production in Peru.

#### Naval Stores

19169 SNOW, A. G., JR. New bark chipping hack gives satisfactory results. Naval Stores Rev. 53 (52): 8. Mar. 25, 1944. 99.81 N22

19170 TINKER, J. M. The naval stores conservation program - its development and place in the general program for gum naval stores. Ga. Univ. George Foster Peabody School Forestry. Leaflet 3, 6 p., processed. Athens, Sept. 1943. 99.9 G297

#### Plastics

19171 E. I. DUPONT DE NEMOURS AND COMPANY. Methylolurea treated wood. Preliminary outline. Chemurg. Digest 3: 53-54. Feb. 15, 1944. 381 N213Na

19172 NICHOLLS, R. V. V. Plastics from wood and for wood improvement. Cellulose, paper and lignin destined to play important roles in new industry. Pulp and Paper Mag. Canada 45: 308-312. Mar. 1944. 302.8 P96

Also in Canad. Chem. and Process Indus. 28: 163-165, 191, 193. Mar. 1944. 381 C16

19173 RECK, F. M. Advantages of bonded paper sheets as an aircraft material. Aero Digest 44(6): 124, 126, 129, 132. Mar. 15, 1944. 333.8 Ae82

#### Pulp and Paper

19174 \*\*BAHRFELDT, K., and SPOON, W. Suitability of Dutch Indian woods for the manufacture of paper. Ber. Afdeel. Handelsmuseum Kon. Ver. Kolonial Inst. 1943, No. 188, 31 p.

Abs. in Chem. Abs. 38: 1109. Mar. 10, 1944. 381 Am33C

19175 \*\*BERENSHTEIN, D. G., and MUSATOVA, M. D. Substitutes for alum in the production of cardboard used in footwear. Legkaya Prom. 1943, No. 3/4, p. 16-19.

Abs. in Chem. Abs. 38: 863. Feb. 20, 1944. 381 Am33C

19176 \*\*BONDAR, M. P., and GOLUB, N. W. Manufacture of enameled papers. Bumazhnaya Prom. 18(10): 35-40. 1940.

Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19177 CANADIAN PULP AND PAPER ASSOCIATION. TECHNICAL SECTION. BOARD COMMITTEE. Stock preparation in paperboard mills. Pulp and Paper Mag. Canada 45: 241-254, 296. Convention Issue 1944. 302.8 P96

19178 CARTER, R., and HARRISON, V. G. W. A note on the use of soap as a sizing agent. World's Paper Trade Rev. 121(Tech. Sup.): 9-10. Mar. 3, 1944. 302.8 W89

19179 COTTRALL, L. G. Evaluation of chemical pulps. (Cont.) World's Paper Trade Rev. 120(Tech. Sup.): 69-72. Dec. 10, 1943. 302.8 W89

19180 DAVIS, D. S. Nomographic correction chart for the Williams precision freeness tester. Paper Indus. and Paper World 25: 1345. Mar. 1944. 302.8 P1923

19181 DOBROW, M. C. Paper in 1944. Pulp and Paper Mag. Canada 45: 303. Mar. 1944. 302.8 P96

19182 \*\*FLATE, D. M. Manufacture of long-fibered paper. Bumazhnaya Prom. 18(10): 28-34. 1940. Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19183 FORMAN, L. V. The kraft pulping of southern tannin-rich woods. Paper Trade Jour. 118(TAPPI Sect.): 97-100. Mar. 23, 1944. 302.8 P196

19184 FRIES, K. W., and GAFFNEY, J. D. Pro's and con's regarding the recovery of fibers from white water. Paper Trade Jour. 118(TAPPI Sect.): 101-104. Mar. 23, 1944. 302.8 P196

19185 GINSBOURGER, SYLVAIN. Wood for war. Crown 33(3): 9-11. Mar. 1944. 389.8 C88  
Deals with the history and present state of the paper industry.

19186 GODBOUT, PHILIPPE. Pâte mécanique. Forêt Québécoise 7: 157-158. Mar. 1944. 99.8 F79

19187 HERTY FOUNDATION LABORATORY, SAVANNAH, GA. Effect of chip length on quality of wood pulp. South. Pulp and Paper Jour. 6(10): 24. Mar. 1944. 302.8 So8

19188 HEUSER, EMIL, and SIGVARDT, C. M. The action of nitrogen dioxide upon unbleached pulp. Part II. Paper Trade Jour. 118(TAPPI Sect.): 82-84. Mar. 9, 1944. 302.8 P196

19189 JAHN, E. C. Notes on the Swedish pulp and paper situation. Paper Trade Jour. 118(TAPPI Sect.): 71-73. Mar. 2, 1944. 302.8 P196

19190 \*JAYME, G., and others. Über die eignung ein- und zehnjährigen pappelholzes zur zellstoffgewinnung. Holz als Roh- u. Werkstoff 6: 1-16. Jan. 1943. 99.81 H74

K. G. Hindenburg, M. Harders-Steinhäuser, and F. Branscheid, joint authors.

19191 \*JOHANSSON, DAVID. Beiträge zur bestimmung der astmenge im holz und des einflusses der äste auf die güte des sulfitzellstoffholzes. Holz als Roh- u. Werkstoff 6: 45-50. Feb. 1943. 99.81 H74

Describes method of determining proportion of branch wood in cellulose pulp and effect of branches on quality of sulfite pulp.

19192 LANE, G. J., and HAYES, R. E. Newsprint of the future. Pulp and Paper Mag. Canada 45: 141-142. Convention Issue 1944. 302.8 P96

19193 \*\*LIPSHITS, E. V. Beating of sulfate pulp for high-voltage cable papers. Bumazhnaya Prom. 18(10): 45-50. 1940.

Abs. in Chem. Abs. 38: 1364. Mar. 20, 1944. 381 Am33C

19194 NEUBRECH, W. L. Paper industry faces problems. U. S. Dept. Com. Dom. Com. 32(3): 13. Mar. 1944. 157.54 D713

19195 \*\*NILSSON, T. H., and BERGWALL, JON. Determination of the greaseproofness of paper. Svensk Papperstidn. 46: 441-449. 1943.

Abs. in Chem. Abs. 38: 643-644. Feb. 10, 1944. 381 Am33C

19196 PENNEY, G., and OSTROWSKI, H. J. New developments in sulphite pulp preparation. Pulp and Paper Mag. Canada 45: 149-152. Convention Issue 1944. 302.8 P96

19197 PURVES, C. B. Program of the Pulp and Paper Research Institute of Canada; current activities of the McGill Industrial and Cellulose Chemistry Division. Pulp and Paper Mag. Canada 45: 139-140. Convention Issue 1944. 302.8 P96



19198 REICHERT, J. S. Sodium peroxide bleaching of mechanical pulps. General description of the process. Paper Trade Jour. 118(TAPPI Sect.): 89-96. Mar. 16, 1944. 302.8 P196

19199 SANKKEY, C. A., and ROSTEN, M. M. Alcohol from waste sulphite liquor, with special reference to the Thorold, Ont. plant of the Ontario Paper Co. Ltd. Pulp and Paper Mag. Canada 45: 171-178, 188. Convention Issue 1944. 302.8 P96

19200 \*SCHMIDT, ERWIN. Vorschläge zu einheitlichen umrechnungszahlen für die faserholzverarbeitung. Holz als Roh- u. Werkstoff 6: 50-54. Mar. 1943. 99.81 H74

On the use of uniform conversion numbers for estimating timber requirements for cellulose and mechanical pulp.

19201 SHIPMAN, G. E. Trends in groundwood and related products. Pulp and Paper Mag. Canada 45: 153-156. Convention Issue 1944. 302.8 P96

Discusses both technical and economic aspects.

19202 SIEVERS, F. R. The history and romance of paper. Part 1. Pulp and Paper Mag. Canada 18(3): 35, 37. Mar. 1944. 302.8 P11

19203 STADLER, JOHN. Outlook for Canadian pulp industry. Paper Mill News 67(12): 28-29. Mar. 18, 1944. 302.8 P195

Includes chart showing production and price trend, 1913-1942.

19204 STADLER, JOHN. Sulphite pulp from war to war and afterwards. Pulp and Paper Mag. Canada 45: 145-148. Convention Issue 1944. 302.8 P96

19205 SUTTON, V. J. Grinding progress and burring technique on continuous grinders. Pulp and Paper Mag. Canada 45: 157-163. Convention Issue 1944. 302.8 P96

19206 WALLACE, G. R. Review of the Association of Pulp Consumers, Inc. Paper Indus. and Paper World 25: 1422, 1424. Mar. 1944. 302.8 P1923

Deals chiefly with the shortage of pulpwood due to decreased labor supply.

#### Tanning Materials

19207 \*HEIL. Gerbrindenaufbringung und -verwertung im erntejahr 1943. Deut. Forstwirt 25: 149-150. Apr. 23, 1943. 99.8 D483

Tanning materials from oak and spruce bark.

#### Veneers and Plywood

19208 BOOTH, F. L. Manufacturing distinctive veneered furniture. Veneers and Plywoods 38(3): 10-12. Mar. 1944. 99.82 V55

19209 CAMARENGO, J. J. Fabricación de chapas de madera (plywood y triply). Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(12): 17-25. Dec. 1943. 286.8 M575

19210 GRAHAM, P. H. Proper finishes for plywood planes. Veneers and Plywood 38(3): 18-19. Mar. 1944. 99.82 V55

19211 KLEIN, LOUIS, GRINSFELDER, HENRY, and BAILEY, S. D. Comparison of methods for improving wood. Indus. and Engin. Chem., Indus. Ed. 36: 252-256. Mar. 1944. 381 J825

Compares properties of impregnated, film-bonded compressed, and glue-spread compressed woods.

19212 LEONG, C. Shear tests on various wood veneers. Plastics Trends 4(5): 6-7. Mar. 1, 1944. 309.8 P692

19213 MULLER, J. L. Softwood plywood geared to wartime. South. Lumberman 168(2111): 49. Mar. 15, 1944. 99.81 S082

19214 PERRY, T. D. Plywood for war. Pacific Plastics 1(4/5): 34-37, 46. Oct. 1943. 309.8 F12

#### Wood as Fuel

19215 \*CHARRIN, V. Vers la généralisation des gazogènes à bois. Prog. Agr. et Vitic. 120(29): 28-29. July 18, 1944. 14 P94

#### MISCELLANEOUS

19216 \*BAGER, E. Något om häradsallmanningarnas historia och om deras och häradsallmänningsförbundets utveckling och verksamhet under senaste 25 år. Stiftelse Svenska. Handl. (1943) 32: 41-53. 11 Sw34

History of communal forests in Sweden from the 12th century to the present time and of the organization and activities of Sveriges Häradsallmänningsförbund during the past twenty-five years.

19217 HALL, C. C. A city [Springfield, Ill.] plants a forest. Amer. Forests 50: 124-125, 138. Mar. 1944. 99.8 F762

19218 \*JAHRHUNDERTFEIER des Schweizerischen forstvereins in Langenthal und Wasen, 28.-30. August 1943. Schweiz. Ztschr. f. Forstw. 94: 321-335. Nov. 1943. 99.8 Sch9

19219 \*KNUCHEL. Vor hundert jahren. Schweiz. Ztschr. f. Forstw. 94: 335-342. Nov. 1943. 99.8 Sch9

Consists chiefly of excerpts from early volumes of Mittheilungen über Haus-, Land- und Forstwirtschaft.

19220 \*KRUEDENER, ARTHUR, FREIHERR VON. Russlands waldungen und waldwirtschaft bis zur bolschewistenherrschaft im oktober 1917. Forstarchiv 19: 120-133. Mar. 15, 1943. 99.8 F7723

19221 ROTEN, FERD. Un conflit forestier au temps passé. Difficultés entre la Maison du Grand St. Bernard et la commune d'Orsières au sujet des bois de Ferret. Jour. Forest. Suisse 95: 29-33. Feb. 1944. 99.8 J82

#### Education

19222 GAZTAMIDE, J. B. Enseñanza de los valores del bosque y de la dasonomia a los niños de Puerto Rico. U. S. Forest Serv. Caribbean Forester 5: 68-77. Jan. 1944. 1.9622 T2C23

Includes outline of four-year 4-H Club forestry course.

19223 \*STRUB, O. Holzkurs in St. Gallen. Schweiz. Ztschr. f. Forstw. 94: 313-316. Sept. 1943. 99.8 Sch9

Report of a three-day course of lectures on wood construction held at St. Gall, Switzerland.

#### Engineering

19224 \*LAER, VON. Die forstliche erkundung in den besetzten Ostgebieten mit besonderer berücksichtigung der luftbilderkundung. Deut. Forstwirt 25: 113-115. Mar. 26, 1943. 99.8 D483

Use of aerial photography in forest surveys in the occupied Eastern Territory.

#### Wildlife

19225 \*BARTH, AGNER. Bever og elg; en alvorlig hindring for gjenreisningen av Sørlandets lauvskoger. (To be cont.) Skogbrukeren 18: 169-171. Nov. 1, 1943. 99.8 Ak54

Beaver and elk as obstacles to the reforestation of hardwood forests in southern Norway.

19226 \*MÜLLER, E. Les dommages causés par le gibier aux plants forestiers. Jour. Forest. Suisse 95: 1-7. Jan. 1944. 99.8 J82

Includes suggestions for prevention of damage.

19227 \*STACH. Zur beurteilung des schälschadens an fichtenstämmen. Deut. Forstwirt 25: 17-22. Jan. 15, 1943. 99.8 D483

A study of the nature and extent of damage to spruce by game.



19228 \*WITZGALL, L. Zur beurteilung des schälschadens an fi-stämmen; eine erwidern auf den artikel vom prfm. dr. Stach. Deut. Forstwirt 25: 115-116. Mar. 26, 1943. 99.8 D483  
Injuries to spruce by wildlife. Consists largely of letter from R. von Hüsslin.

## ANIMAL INDUSTRY

## BREEDS AND BREEDING

19229 AJIFU, RALPH. The value of purebred stock. Hawaii Farm and Home 7(3): 32-33. Mar. 1944. 25 H3191

19230 BELTRAN C., HERACLIO. Métodos de reproducción. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 5. Oct./Dec. 1943. 9.5 M31

19231 DUCK, R. W. A breed of livestock, for every need. Rural New-Yorker 103: 136, 140. Mar. 4, 1944. 6 R88

19232 FENTON, A. B. Congenital anomalies in domestic animals. Middlesex Vet. 3(1): 18-20. Fall 1943. 41.8 M583

19233 GOODWIN, J. P. Earl De La Warr on pedigree societies: closed corporations or stock improvers? Farmer & Stock-Breeder 58: 423. Mar. 14, 1944. 10 F228

Report of an interview.

19234 \*JACOBS. Gedanken eines ostfriesischen tierzüchters im nordrussischen raum. Deut. Landw. Tierzucht 47: 220-221. Nov. 20, 1943. 49 D48

19235 \*DIE KÜNSTLICHE besamung bei den landwirtschaftlichen haustieren. Vorträge der zweiten tagung der Schweizerischen Vereinigung für Tierzucht vom 28. April 1942 in Rütli-Zollikofen. Landw. Jahrb. der Schweiz 56: 415-436. 1942. 17 L23

French summary.

Contents: Der verlauf der tagung, by W. Engeler; Die bedeutung der künstlichen besamung bei den haustieren. Einleitende bemerkungen, by A. Schmid; Stellung der schweizerischen züchtungspraxis zu der anwendung der künstlichen besamung bei den haustieren, by Ernst Feisst; Die künstliche besamung im lichte der tierhygiene und tiermedizin, by G. Flückiger; Die technik der künstlichen besamung, by W. Hofmann; Thesen betreffend die künstliche besamung bei haustieren.

19236 LITTON, G. W. Linebreeding. East. Breeder 5(11): 69-71. Apr. 1944. 49 V81

19237 LOUIS-MARIE, R. P. Le professeur Rice parmi nous. Rev. d'Oka 18(1): 16-25. Jan./Feb. 1944. 7 Oki

Report of address of V. A. Rice on animal genetics, at Quebec, Dec. 21, 1943.

19238 \*MARTÍNEZ DEL CASTILLO, HILARIO. Gadería actual, algunas causas de las dificultades para su desenvolvimiento. Surco [Madrid, 2(12): 11-14. Feb. 1943. 15 Su7

19239 \*MILOVANOV, V. Bol'she vnimaniá otchestvennym porodom zhivotnykh [More attention to native livestock breeds]. Kolkhoznoe Proizvodstvo, No. 10, p. 17-19. Oct. 1943. 281.8 K83

Discusses the outstanding livestock breeds in the Soviet Union and breeding by artificial insemination.

19240 \*SALAZAR, ZACARIAS. Las leyes Mendelianas de la herencia en la practica ganadera. Surco [Madrid, No. 5, p. 10-13. July 1942. 15 Su7

19241 \*SOKOLOVSKAYA, I. Plemennoe delo na ferme [Livestock breeding on the farm]. Kolkhoznoe Proizvodstvo, No. 1, p. 22-23. Jan. 1943. 281.8 K83

19242 \*SPRENSSEN, ED. Den kunstige saedoverf-rings teknik [The technic of artificial insemination]. Ugeskr. for Landmaend 88: 783-790. Nov. 12, 1943. 11 Ug3

19243 VILLARES, J. B. Aspectos zootecnicos da castracao. Rev. Rural Bras. 23(280): 27-29. Dec. 1943. 9.2 B733

19244 WALKER, J. F. Why do we import? Sheepman 14: 331. Mar. 1944. 45.8 Sh32

In order to maintain high quality breeding stock.

19245 WOHLFFER, E. A. Artificial insemination. Middlesex Vet. 3(1): 21-22. Fall 1943. 41.8 M583

## FEEDS AND FEEDING

19246 ANDRADE, B. M. DE. Pastagens. Rev. dos Criadores 14(16): 42-43, 45. Dec. 1943. 43.8 R32

Pasture management.

19247 ARNY, A. C. Our cheapest feed; good pastures provide it, and plans should be made now for 1944. Farmer 62(5): 7. Mar. 4, 1944. 6 F2211

19248 \*AXELSSON, JOEL. Intensitetsproblemet inom animalieproduktionen. Stiftelse Svenska Lantbruksvechan. Handl. (1943) 32: 100-114. 11 Sw34

Feeding and nutrition of livestock.

19249 BAILWARD, JOHN. Leave us this tenth; a plea for the preservation of some of our "super" grassland areas. Farmers Weekly [London] 20(9): 29. Mar. 3, 1944. 10 F2226

19250 BETHKE, R. M. All animals require calcium and phosphorus. Grain & Feed Jours. Consolidated 92: 206. Mar. 8, 1944. 298.8 G762

19251 BOHSTEDT, G. Salt saves feed. Feed-stuffs 16(11): 28-30, 32. Mar. 11, 1944. 286.81 F322

19252 \*BUNGER, H. Zweckmässige ausnutzung des wirtschaftsfutters. Forschungsdiens, Sonderheft 16, p. 645-653. Berlin, 1942. Ref. 18 F772

19253 BURROUGHS, E. W. Minimum animal protein in feed mixtures. Grain & Feed Jours. Consolidated 92: 204. Mar. 8, 1944. 298.8 G762

19254 CASANOVAS, ENRIQUE. Os melados -- utilizacao de um sub-produto da industria açucareira. Brasil Açucareiro 22: 307-310. Oct. 1943. 65.8 B73

Chemistry and use as feed.

19255 CHARKEY, L. W., and WILGUS, H. S., JR. Chromatographic determination of carotene in alfalfa. Indus. and Engin. Chem., Analyt. Ed. 16: 184-187. Mar. 1944. 381 J825A

19256 DAY, D. I. Their favorite feeds: fifteen farmers discuss mixed feeds and other topics of interest along Highway 44. Ind. Farmers Guide 100(6): 18. Mar. 15, 1944. 6 In2

19257 \*DÜRR. Einige grundsätze zur einföhrung des weidegenges in klein- und mittelbäuerlichen betrieben. Weidewirtsch. u. Futterbau 18: 13. Oct. 23, 1943. (Beilage z. Deut. Landw. Tierzucht v. 47, No. 42/43) 49 D48

19258 DURAN, J. J. Importancia de las substancias nutritivas en la alimentación de los animales. Ciudad Juárez. Mex. Esc. Particular de Agr. Bol. 64, Ser. 2, 8 p. n. d. 102 C492

19259 DUTCHER, ROBERT. How about hegari for grazing crop? Farmer-Stockman 57: 155. Apr. 1944. 6 Ok45

19260 EASTERBROOK, L. F. What is "bloom"? Home Farmer 11(2): 10. Feb. 1944. 280.344 H75

Discusses nutritive value of different pastures, and possible danger, causing a deceptive "bloom," from those that are too succulent.

19261 ÉIRE. DEPT. OF AGRICULTURE. The importance of ensilage. Éire. Dept. Agr. Spec. Leaflet No. 7, 4 p. Dublin, 1940. 10.5 Ir42S



19262 EIRE. DEPT. OF AGRICULTURE. Making the most of the oat crop for feeding livestock. Eire. Dept. Agr. Spec. Leaflet No. 8, 4 p. Dublin, 1940. 10.5 Ir42S

19263 EIRE. DEPT. OF AGRICULTURE. Potato silage. Eire. Dept. Agr. Spec. Leaflet No. 9, 5 p. Dublin, 1941. 10.5 Ir42S

19264 FERREIRA, E. A., and others. Relatório sobre as condições de arração dos animais criados na inspetoria regional em Pinheiro, para todas as classes de animais ali existentes e indicar as rações mais recomendadas, tendo em vista as normas de arração de "Morrison" e os alimentos disponíveis na região. Brazil. Esc. Nac. de Agron. Bol. 3, p. 19-78. Rio de Janeiro, 1942. 102.5 B473  
B. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Laun, and José de Paula, joint authors.

19265 \*PIETKAU, FRITZ. Einige ratschläge für die einsäuerung von futterrüben. Landesbauernschaft Bayern. Wchnbl. 133: 580. Oct. 30, 1943. 18 B34W

19266 \*FINK, H. Neue ziele der mikrobiologischen eiweissgewinnung. Forschungsdienst, Sonderheft 16, p. 724-735. Berlin, 1942. 18 F772

On the manufacture of synthetic protein at low cost and its significance for the farm feed question.

19267 FRANKS, PAUL. The pasture is the difference. Acco Press 22(3): 1-5. Mar. 1944. 6 Ac2

19268 GOSS, HAROLD. Those "fourth" stomachs. Pacific Rural Press, South. Ed. 147: 149. Mar. 4, 1944. 6 P112A

Experiments with a very low protein ration, to which nitrogen compounds have been added.

19269 HADDON, C. B. Home grown feed supply vital to increased livestock production. Farm for Victory, Feb. 1944, p. 9. 281.8 F226

19270 \*HARING. Betrachtungen zur einsäuerung roher rüben. Landesbauernschaft Bayern. Wchnbl. 133: 617. Nov. 20, 1943. 18 B34W

19271 \*KANNENBERG, H. Gärfutterbereitung im Mai, Juni besser machen! Landesbauernschaft Württemb. Wchnbl. 110: 295. May 8, 1943. 18 W96

19272 \*KANNENBERG, H. Treten - treten und nochmals treten! Gärfutterherstellung mit behelfsmässigen mitteln. Landesbauernschaft Sachsen. Wchnbl. 91: 392. Sept. 4, 1943. 18 Sal

19273 KENNEDY, HENRY. The need for increased food production; "the importance of the potato." Eire Dept. Agr. Spec. Leaflet 13, 4 p. Dublin, 1941. 10.5 Ir42S

The value of potatoes as feed.

19274 \*KIRSCH, W. Futterwerbung und -aufbewahrung. Forschungsdienst, Sonderheft 16, p. 653-661. Berlin, 1942. Ref., p. 659-661. 18 F772

19275 KOK, E. A. A alimentação racional e a intensificação da produção pastoril. Rev. de Agr. Piracicaba, 18: 311-318. Sept./Oct. 1943. 9.2 R324

Concentrates and forage crops produced in Brazil.

19276 \*LOHRS. Vitamin D und jungtieraufzucht. Landesbauernschaft Württemb. Wchnbl. 110: 489. Aug. 28, 1943. 18 W96

19277 MCAULIFFE, H. D. A study of the fermentation of legume silages. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 1-5, processed. 1943. 241.8 P38

19278 \*MANGOLD, E. Ernährungsphysiologische grundlagen der tierfütterung. Forschungsdienst, Sonderheft 16, p. 615-633. Berlin, 1942. Ref., p. 628-633. 18 F772

19279 MARCELLO, L. S., and MARSHALL, C. V. Iron in stock feeds: Comparison of titrimetric and colorimetric methods. Assoc. Off. Agr. Chem. Jour. 27: 161-165. Feb. 15, 1944. 381 As7

19280 MEINBERG, IRIS. O invernista e a alimentação suplementar. Rev. dos Criadores 15: 8-9. Jan. 1944. 43.8 R32

Livestock feeds in central Brazil.

19281 MILLAR, H. C. Ammoniated sugar beet pulp as a new nitrogenous feed for ruminants. Jour. Dairy Sci. 27: 225-241. Mar. 1944. 44.8 J822

19282 MILNE, D. R. Fodder conservation. So. Austral. Dept. Agr. Jour. 47: 273-274. Jan. 1944. 23 So84

19283 MITCHELL, H. H. The use of phosphorus-containing substitutes for bone meal in livestock feeding with particular reference to the fluorine hazard. Natl. Res. Council. Com. Anim. Nutr. Rpt. 10, 5 p. Washington, 1943. 389.79 N21

19284 MOORE, E. O. What about feeding livestock in the Pecos Valley. New Mex. Stockman 9(3): 38. Mar. 1944. 49 N462

Discusses mainly feed available on the farm.

19285 MOORE, J. C., LINDGREN, H. A., and BALLARD, F. L. Oregon cooperators solve a timber-livestock problem. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 12-14. Feb. 1944. 166.2 M47

Development of livestock-grazing on cut-over timber lands, and cooperative marketing of the livestock.

19286 \*NEHRING, K. Methodik der futtermitteluntersuchungen. Forschungsdienst, Sonderheft 16, p. 634-637. Berlin, 1942. 18 F772

19287 \*NEUMANN, FRITZ. Der hohe futterwert des markstammkohlblattes. Weidewirtsch. u. Futterbau 18: 12. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48

19288 NORTON, C. L. More feed from timothy hay. Dairymen's League News 28(6): 6, 13. Mar. 14, 1944. 44.8 D1432

19289 O'CONNELL, T. The need for increased food production. "Silage as a substitute for imported feeding stuffs." Eire. Dept. Agr. Spec. Leaflet No. 18, 4 p. Dublin, 1941. 10.5 Ir42S

19290 ONATIVIA, JOSÉ DE. Ganadería; método práctico para conservar el pasto; henificación y su conservación. Coop. Agr. [Honduras] 5(51): 5-8. Jan. 1944. 280.28 C7874

19291 \*PANNWITZ. Gärfutterbereitung ohne fehlschläge. Landesbauernschaft Württemb. Wchnbl. 110: 308. May 15, 1943. 18 W96

Silage making.

19292 PECK, LYMAN. Animal and vegetable proteins in animal and poultry nutrition. Feedstuffs 16(12): 41-43. Mar. 18, 1944. 286.81 F322

19293 PHILLIPS, RONALD. In order of merit; a discussion on the feeding value of the various fodder crops. Farmers Weekly [London] 20(13): 28. Mar. 31, 1944. 10 F2226

19294 \*RABITZ. Futterreserven in Sachsen-Anhalt. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 264. May 8, 1943. 18 Sa9

Preserving feed by converting it into silage.

19295 \*RICHTER, K. Die bitterstofffreie lupine in der fütterung. Forschungsdienst, Sonderheft 16, p. 661-668. Berlin, 1942. Ref. 18 F772

19296 \*RICHTER, K. Zweckmässiger einsatz von zuckerrübenblättern und -köpfen. Weidewirtsch. u. Futterbau 18: 11. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48

Feeding value.

19297 SACHS, W. H. Use of urea in feed ruminants. Du Pont de Nemours, E. I. & Co., Agr. News Letter 12: 28-32. Mar./Apr. 1944. 6 D82

19298 \*SCHARRER, K., and SCHREIBER, R. Nährstoffansprüche des saffors (Carthamus tinctorius) an stickstoff und phosphorsäure. Bodenk. u. Pflanzenernähr. 31: 253-262. 1942. 384 Z343A



19299 \*SCHMIDT, J., and KLIESCH, J. Die amidfrage, unter besonderer berücksichtigung der versuche mit harnstoffamidschnitteln und glykokoll. Forschungsdienst, Sonderheft 16, p. 637-645. Berlin, 1942. Ref. 18 F772

On the substitution of amide and artificial nitrogen compounds for protein in the feed of livestock, especially dairy cattle.

19300 SHEETS, E. W. Improve those pastures. Shorthorn World 28(23): 28-29. Feb. 25, 1944. 41.8 Sh8

19301 \*SOBRAT' bol'she sena [To harvest more hay]. 1-2. Kolkhoznoe Proizvodstvo, No. 5/6, p. 13-16, May/June 1943. 281.8 K83

1. by V. Kharchenko; 2. by N. Terent'ev. Harvest so as to retain nutritive value and procure maximum amount.

19302 STREET, A. G. Leys without livestock: the new pastures are crying out for grazing; but where are the water supplies and the fences that they need? Farmers Weekly [London] 20(13): 27. Mar. 31, 1944. 10 F2226

19303 SULLIVAN, J. T. High-protein concentrate can be obtained from grass. Food Indus. 16(3): 78-79, 137. Mar. 1944. 389.8 F737

19304 TANNER, N. E. Alberta's grazing policy. Canad. Cattlemen 6: 172-173. Mar. 1944. 49 C16

19305 \*TSIREL'SON, N. B. Podgotovka kormov k skarmlivaniu [Preparation of feedstuff]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz., No. 106, 8 p. folder. Moskva, 1943. 20 Ag88

19306 TUSTIN, E. B., JR. Salt requirements of livestock must be met for adequate nutrition. Feed Bag 20(3): 46. Mar. 1944. 389.78 F32

19307 VILLARES, J. B. O sal na alimentação dos animais. Rev. Rural Bras. 23(277): 27-29. Sept. 1943. 9.2 B733

19308 \*WEISS, HUGO. Das zuckerrübenblatt als futterlieferant. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 517-518. Oct. 2, 1943. 18 Sa9

19309 WICKHAM, C. E. Our feed needs and supplies. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 121-122. 44.9 V593

19310 WILSON, W. W. Factores que deben atenderse en la alimentación del ganado. Res 11: 15137-15138. Nov. 5, 1943. 286.85 R31

#### VETERINARY MEDICINE

19311 ARMSTRONG, M. C. Animal diseases and public health. New Zeal. Jour. Agr. 68: 37, 39-41. Jan. 15, 1944. 23 N48J

19312 AULT, C. N. Nematodes parásitos de los bovinos y ovinos en la Argentina. Rev. de Med. Vet. [Buenos Aires] 25: 468-487. Sept./Oct. 1943. Ref. 41.8 B86

English summary.

19313 BAKER, E. T. Autobiography of a veterinary practitioner. XXI. Going into practice. Vet. Med. 38: 480-484. Dec. 1943. 41.8 M69

19314 BARRAZA QUIROGA, FERNANDO. Profilaxis del carbunco. Agr. del Norte 27: 699-701. Nov. 1943. 9.3 Sol4

19315 \*BENDIEN, H. C. Om mund- og klovesygen i Danmark. Ugeskr. for Landmaend 88: 767-773. Nov. 5, 1943. 11 Ug3

Foot and mouth disease in Denmark.

19316 BERGMAN, H. D. Curriculum changes in the Veterinary Division of Iowa State College. Vet. Student 6: 128-129 164, 166. Winter 1944. 41.8 V6425

19317 BONELLI, W. G. Hereditary resistance to disease. Vet. Student 6: 130-132, 163-164. Winter 1944. 41.8 V6425

19318 \*BONGERT, J. G. Weitere beiträge zur lehre der entstehung der tuberkulose (phthisiogenese). Deut. Schlechthof-Ztg. 43: 117-123, 165-169. June 15, Sept. 15, 1943. 286.85 D48

19319 BROOKS, R. F. A study of certain members of the genus Corynebacterium from animal sources. Cornell Univ. Abs. of Theses, 1942: 352-353. 1943. 241.8 C81

19320 CAMERON, A. E. Canadian veterinary service, its wartime work. Amer. Vet. Med. Assoc. Jour. 104: 189-191. Apr. 1944. 41.8 Am3

19321 CAMPERCHIOLI, E. E. Conveniencia de denunciar espontáneamente la existencia de fiebre aftosa en las haciendas y tratamientos especiales en las formas graves de su presentación. Fed. Argentina de Coop. Tamberas Lda. Rev. 3(26): 25-26. Sept. 1943. 280.28 F31

19322 CAMPERCHIOLI, E. E. Intoxicaciones del ganado producidas por pastos tóxicos. Fed. Argentina de Coop. Tamberas Lda. Rev. 2(16): 5; (17): 6-7; (18): 9; (19): 14-15; (20): 6. Nov. 1942-Mar. 1943. 280.28 F31

19323 CAMPERCHIOLI, E. E. Que debe hacerse frente a casos de carbunco? Fed. Argentina de Coop. Tamberas Lda. Rev. 1(6): 5-6. Jan. 1942. 280.28 F31

19324 CASOS, G. A. Hidatidosis o equinococosis ("quistes" o "bolsas de agua"). Fed. Argentina de Coop. Tamberas Lda. Rev. 1(9): 10-12. Apr. 1942. 280.28 F31

19325 \*CATANEI, A. Sur les modifications morphologiques des champignons pathogènes. Inst. Pasteur d'Algérie. Arch. 21: 180-184. Sept. 1943. 448.5 In7A

19326 CIUDAD JUÁREZ, MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Edad de los animales. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 55, Ser. 2, 7 p. n. d. 102 C492

Determination by examination of horns and teeth.

19327 COIT, J. E. Avocado leaves dangerous food for livestock. Calif. Avocado Soc. Yearbook 1943: 37. 81 C128

19328 COURTICE, F. C. The blood volume of normal animals. Jour. Physiol. 102: 290-305. Dec. 31, 1943. 447.8 J82

Rabbits, dogs, goats, and horses.

19329 \*DEGTIAREV, G. V. Mokh-sfagnum kak zamenitel' pereviazochnoho materiala [Sphagnum as a substitute for dressing material]. Veterinariia 19(8/9): 39-40. Aug./Sept. 1942. 41.8 V6426

19330 ECKELL, O. A. Acción tóxica del Solanum glaucum Dun (duraznillo blanco). Rev. de Med. Vet. [Buenos Aires] 25: 453-467. Sept./Oct. 1943. 41.8 B86

19331 FEATHERLY, H. I., and others. Glottidium vesicularium, a poisonous plant in the Southwest. Vet. Med. 38: 478-479. Dec. 1943. 41.8 M69  
E. E. Harnden, O. C. Dermer, and H. C. Smith, joint authors.

19332 FORBES, R. M. Ketosis in the ruminant species. Cornell Univ. Abs. of Theses 1942: 287-288. 1943. 241.8 C81

19333 \*FRAUCHIGER, E. Anatomie und neurologie. Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 186. June 11, 1943. 41.8 B45

19334 GREER, J. E. Stader reduction splint. M. S. C. Vet. 4: 37-40, 48. Fall 1943. 41.8 M582

19335 HERRIOTT, H. W. Chemo-therapy in acute febrile conditions of animals. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 93, p. 3-10. Jan. 18, 1944. 41.9 P386

Use of sulfonamides.



19336 IRVING, M. R. Tetanus in livestock. Queensland Agr. Jour. 58: 113-114. Feb. 1944. 23 Q33

19337 \*KELLER, HUGO. Tuberkelbakteriengehalt des fleisches und beurteilung tuberkulöser schlachttiere. Ztschr. f. Fleisch u. Milchhyg. 54: 31-36. Nov. 15, 1943. 449.8 Z35

Bakteriologische bemerkungen zu den ausföhrungen von Prof. Keller, by Karl Beller, p. 36-38.

19338 KINGREY, B. W. Postwar planning. Vet. Student 6: 136-137, 169. Winter 1944. 41.8 V6425

First of a series of articles discussing work of the Postwar Planning Committee of the American Veterinary Medical Association.

19339 \*KONNOV, M. Preduprezhdenie i lechenie zheludochno-kishechnykh zabolevani u molodniaka [Prevention and treatment of gastro-intestinal diseases of the young]. Sovkhoznoe Proizvodstvo 3(12): 28-30. Dec. 1943. 20 So85

Calves and baby pigs.

19340 KUBES, V., and GALLIA, F. Brain-tissue neutralization. A new biological reaction for rabies virus. Its relation to the protection and serum-neutralization tests. Canad. Jour. Compar. Med. 8: 48-60. Feb. 1944. 41.8 C162

A condensed translation of item 9398, q. v.

19341 LIGNIÈRES, ROBERTO. Los sueros y la conservación de sus cualidades inmunizantes. Rev. Zootéc. [Buenos Aires] 30(252): 16-19. Dec. 1943. 9 R323

19342 LITTLE, G. W. Spastic symptoms and their control in small animals [by trasentine]. North Amer. Vet. 25: 224-225. Apr. 1944. 41.8 N812

19343 LLORENS, M. A. Ensayo de la sulfanilamina en las complicaciones de la fiebre aftosa. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(12): 4. July 1942. 280.28 F31

19344 LLORENS, M. A. Quimioterapia en la fiebre aftosa. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(10): 14-15. May 1942. 280.28 F31

19345 MILLS, M. T. Inversion of the caecum for control of Trichuris vulpis. Middlesex Vet. 3(1): 12. Fall 1943. 41.8 M583

19346 MORA PÉREZ, FAUSTO. Timpanitis. Agr. Mex. 59(12): 4-5. Dec. 1943. 8 Ag8

19347 MOULE, G. R. Fluorine poisoning of live stock. Queensland Agr. Jour. 58: 54-55. Jan. 1944. 23 Q33

19348 MÜSSEMEIER, F. Tiergesundheit und tierheilkunde. Forschungsdienst, Sonderheft 16, p. 553-568. Berlin, 1942. 18 F772

19349 OLCSE, M. R. Primavera: la mejor epoca para vacunar contra el carbunclo. Rev. Sancer 2(17): 13. Nov. 1943. 280.28 R322

19350 PAQUIN, JEAN. La santé publique et le vétérinaire. Rev. d'Oka 18(1): 26-28. Jan./Feb. 1944. 7 Ok1

19351 PIRES, ANTONIO. Hidatidosis. Cáncer blanco. Ovina 5: 608-614. Apr. 1943. 45.8 Ov4

19352 PLUNKETT, J. J. A survey of the work of the Royal Army Veterinary Corps with the British Expeditionary Force in France from December, 1939, to June, 1940. Roy. Army Vet. Corps Jour. 15: 28-32. Feb. 1944. 41.8 G79

19353 \*SEIFERLE, EUGEN. Darf das pferd für die gebäudebeurteilung des hundes ohne weiteres als vorbild gebraucht werden? Berlin. u. München. Tierärztl. Wchnschr., No. 23/24, p. 183-186. June 11, 1943. 41.8 B45

19354 UTTERBACK, J. A. The management and healing of wounds. Vet. Med. 38: 449-459. Dec. 1943. 41.8 M69

19355 VILLALOBOS, JAVIER. La brucelosis en Chihuahua. Chihuahua Ganad. 4(47): 25, 27-31. Nov. 1, 1943. 43.8 C43

Control in cattle and goats to prevent outbreaks of undulant fever in man.

19356 WRAGG, W. G. Agriculture and the veterinary profession. Vet. Jour. 100: 26-31. Feb. 1944. 41.8 V643

#### MISCELLANEOUS

19357 \*ANDERSEN, K. M. Husdyrbruget 1942. Ugeskr. for Landmaend 88: 14-21. Jan. 8, 1943. 11 Ug3

An analysis of the livestock industry in Denmark during 1942.

19358 BIRD, JOHN. One foot on the land. Sat. Evening Post 216(38): 12-13, 46, 48. Mar. 18, 1944. 110 S

Story of an electrician who combined livestock farming with an industrial job.

19359 CAMERON, DONALD. Stocking the Highlands of Scotland, to increase food production. Scot. Farmer (Spec. Album No.) 52: 45-46. Jan. 1, 1944. 10 Sco8

19360 CHADA, H. L. Rat control suggestions for broiler growers. Peninsula Broiler Jour. 3(21): 1, 4. Mar. 6, 1944. 47.8 P37

19361 \*EKIN, RIFAT. Hayvancılık [Animal industry]. Turkey. Ziraat Vekâleti. Neşriyat. U. Sayı 578, 174 p. Istanbul, 1943. 25 T842

On cover, name given as Firat Ekin.

19362 FARIAS, RENATO DE. Novas diretrizes da pecuária em Pernambuco. Pernambuco, Brazil. Sec. da Agr., Indústria e Com. Bol. 10(1): 15-24. Mar. 1943. 9.2 F423

19363 THE FUTURE of agricultural shows. London Farmers' Club, Jour., Pt. 6, p. 92-101. 1943. 10 L84

A symposium mainly about English livestock shows.

19364 GORDON DAVIS, JORGE. Orígenes de la ganadería argentina; primeras exportaciones de sus productos, tasajos y cueros - vínculos con Gran Bretaña - influencia de las razas inglesas sobre la ganadería nacional. Rosario, Argentina. Bolsa de Com. Bol. Ofic. 32(768): 5-9, 10. Jan. 15, 1944. 287 R71

A historical account with statistics.

19365 HARTWIG, L. H. 70 extra tons of food. Furrow, Vol. 49, p. 3, 11. Feb./Mar. 1944. 6 F98

Description of a successful livestock farm.

19366 HAYSTEAD, LADD. Who will get burnt on sales of purebreds? Farm Jour. 68(4): 19. Apr. 1944. 6 F2212

19367 \*HENSELER, H. Jungtieraufzucht. Forschungsdienst, Sonderheft 16, p. 588-596. Berlin, 1942. Ref. 18 F772

19368 JOHNSON, LAMONT. [R. H.] Heckendorf of Littleton, Colorado, is building with Holsteins, Herefords and hogs. West. Farm Life 46(5): 23-24. Mar. 1, 1944. 6 R153

19369 \*KARAESEN, FIKRI. Hayvancılık [Animal industry]. Turkey. Ziraat Vekâleti. Neşriyat. Sayı 475 (Eğitmen Kurları 4), 54 p. Ankara, 1940. 25 T842

19370 LEINBACH, F. H. Conserving livestock by good management practices. Natl. Humane Rev. 32(3): 9. Mar. 1944. 48.8 N212

19371 MCDANIEL, GERTRUDE. How Monte Cook kills coyote. West. Farm Life 46(5): 7. Mar. 1, 1944. 6 R153

19372 MCFARLAND, ELLIS. Post-war planning for livestock shows. Holstein-Friesian World 41: 361-362, 421. Mar. 18, 1944. 43.8 H742



- 19373 MCGHEE, J. H. A livestock depot, R.A.V.C., in the Middle East [for supplying meat to the armies]. Roy. Army Vet. Corps Jour. 15: 36-41. Feb. 1944. 41.8 G79
- 19374 \*MEHNER, A. Bodenständige tierzucht. Forschungsdienst, Sonderheft 16, p. 574-577. Berlin, 1942. 18 F772  
Adaptation of livestock to local conditions.
- 19375 MEREDITH, MAX. Dingoes "down under" [prey on rabbits, sheep and poultry]. Our Dumb Anim. 77: 48. Mar. 1944. 48.8 Ou7
- 19376 NEWELL, P. F., and LANCASTER, R. M. Mississippi stockmen in the making. Prog. Farmer, Miss.-Ark.-La. Ed. 59(3): 12, 49. Mar. 1944. 6 So8  
Records of 4-H livestock clubs.
- 19377 ORCHARD, MALCOM. When livestock takes the crown. Farm and Ranch 63(3): 22. Mar. 1944. 6 F31  
Raising Aberdeen-Angus cattle and Berkshire hogs on farm in Texas cotton belt.
- 19378 PAGE, SIR EARLE. Australian post-war development. Livestock problems (No. 4). Country Life [Sydney], 55(28): 9. Jan. 7, 1944. 286.85 Sy2  
Production goals for livestock.
- 19379 \*SAUER, TH. Was muss der selbstversorger beachten, wenn er eine schlachtgenehmigung erhalten will? Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 331A. June 5, 1943. 18 B34W
- 19380 \*SCHMIDT, J. Arbeiten und aufgaben der reichsarbeitsgemeinschaft "tierzucht." Forschungsdienst, Sonderheft 16, p. 551-553. Berlin, 1942. 18 F772  
In Germany.
- 19381 SHAW, A. O. Stick by livestock--It will pay! Prog. Farmer, Car.-Va. Ed. 59(4): 12, 27. Apr. 1944. 6 P945
- 19382 SPROTT, D. B. Ranching in Australia. Cattleman 30(10): 17-18, 93-97. Mar. 1944. 49 G29
- 19383 TIPTON, BILL. The real value of the stock show. Acco Press 22(2): 1-4. Feb. 1944. 6 Ac2
- 19384 WHITE, H. R. Salesmanship. Shorthorn News 5(1): 24-25. Mar. 1944. 43.8 Sh85  
Suggestions for successful selling of livestock.
- ### CATTLE
- #### Breeds and Breeding
- 19385 ALBAUGH, REUBEN, and ASMUS, RUDOLPH. More veal thru breeding yearling heifers. West. Livestock Jour. 22(24): 18, 56-58, 60. Mar. 15, 1944. 6 F2278
- 19386 ALLEN, E. H. The Maryland Shorthorn Breeders Association [inaugural meeting]. Shorthorn World 29(1): 5. Mar. 10, 1944. 43.8 Sh8
- 19387 ALSOP, J. W. [Dairy cattle, breed associations' progress. Guernsey Breeders' Jour. 65: 463, 474-476, 478-479. Mar. 15, 1944. 43.8 G93  
Also in Holstein-Friesian World 41: 450-451. Apr. 1, 1944. 43.8 H742
- 19388 ATKESON, F. W., ELDRIDGE, FRANKLIN, and IBSEN, H. L. Prevalence of "wrytail" in cattle. Further studies on the prevalence [sic] and mode of inheritance of wrytail in [several breeds of] cattle. Jour. Hered. 35: 11-14. Jan. 1944. 442.8 Am3
- 19389 BACKUS, H. A. The sons of Montvic Chieftain [Holstein-Friesian bull]. Holstein-Friesian World 41: 366-367, 418-421. Mar. 18, 1944. 43.8 H742
- 19390 BATTLES, O. V. Is there a place for Aberdeen Angus in the West. West. Livestock Jour. 22(24): 48, 50, 52. Mar. 15, 1944. 6 F2278
- 19391 BATTLES, O. V. The story of a great British [Aberdeen-Angus] herd. Aberdeen-Angus Jour. 25(8): 10, 128. Mar. 1944. 43.8 Ab3
- 19392 BONE, HUGH. Ayrshire cattle in 1943 [in Great Britain]. Scot. Farmer (Spec. Album No.) 52: 108-109. Jan. 1, 1944. 10 Sco8
- 19393 BORLAND, A. A. Brown Swiss in Penn. State College herd. Brown Swiss Bul. 22(9): 14, 16. Mar. 1944. 43.8 B81
- 19394 BROCKMAN, L. W. Howard County, Missouri [Aberdeen-Angus Breeders' Assoc.]. Aberdeen-Angus Jour. 25(8): 70, 74. Mar. 1944. 43.8 Ab3
- 19395 CARNEIRO, G. G. O emprego do Zebu na formacao do gado de corte nos trópicos. Ceres [Brazil], 5(25): 17-26. Sept./Oct. 1943. 9.2 C332
- 19396 COCHRANE, TOM. An old scribe's story of the past and the present [of Aberdeen-Angus cattle] in Kentucky. Aberdeen-Angus Jour. 25(8): 76E-76F. Mar. 1944. 43.8 Ab3
- 19397 CRISSEY, A. N. Holstein cows at Cottonade Farm [Fayetteville, N. C.]. South. Planter 105(3): 6, 12-13. Mar. 1944. 6 So89  
Also in Holstein-Friesian World 41: 452, 493, 496-497. Apr. 1, 1944. 43.8 H742
- 19398 DAVIES, WILFRED. Tips for beginners in artificial insemination [for cattle]. Shorthorn News 5(1): 16. Mar. 1944. 43.8 Sh85
- 19399 DAY, G. E. Early maturity: What does it mean [when applied to Shorthorn cattle]. Shorthorn World 28(23): 3-4, 18-19. Feb. 25, 1944. 43.8 Sh8
- 19400 DONN, IAIN. Highland cattle [of Scotland] in 1943. Scot. Farmer (Spec. Album No.) 52: 113-114. Jan. 1, 1944. 10 Sco8
- 19401 \*ENGELER, W. Die haltung der zuchtstiere; eine untersuchung über den umfang, die rechtliche und finanzielle regelung der zuchtstierhaltung sowie über beschaffung, haltung, fütterung und zuchtbenützung der deckstiere im zuchtgebiet des schweiz. Braunviehs, zugleich eine anleitung zur zuchtstierhaltung mit musterverträgen und deckvorschriften. Landw. Jahrb. der Schweiz 57: 521-630. 1943. 17 L23
- 19402 FERREIRA, E. A., and others. Estudo sobre o comportamento das raças Schwyz., Normanda e Holandesa (malhada de preto), na região, quanto aos seus caracteres raciais, sua produtividade e grau de aclimação. Brazil. Esc. Nac. de Agron. Bol. 3, p. 79-123. Rio de Janeiro, 1942. 102.5 R473  
B. A. Neves, J. M. Sabugosa, E. V. Faria, G. F. Laun, and José de Paula, joint authors.
- 19403 FISHER, W. H. Brahman cattle in the United States. West. Livestock Jour. 22(24): 32, 34. Mar. 15, 1944. 6 F2278
- 19404 FORBES, R. C. Our new registry certifies [for Shorthorns]. The ancestors that tend most to influence an animal's characteristics appear within three generations. Shorthorn World 29(1): 3-4, 60. Mar. 10, 1944. 43.8 Sh8
- 19405 HAMMOND, JOHN. Artificial insemination [of cattle]. Farmers' Jour. 24: 165-166. Mar. 1944. 10 F2234
- 19406 HAYS, HARRY. A trip to Mexico; dairy herds of up to 1,000 head near Mexico City are dominated by Holsteins of Dutch and American origin. Holstein-Friesian Jour. 6(11): 32-33. Feb. 1944. 43.8 H743
- 19407 HIGLEY, P. I. Artificial breeding has "growing pains." Successful Farming 42(1): 54, 60-61. Jan. 1944. 6 Su12  
Dairy cattle breeding.
- 19408 HODGSON, R. E. "Middle of the road" [Milking Shorthorn, cows. Milking Shorthorn Jour. 25(3): 18. Mar. 1944. 43.8 M59



19409 JARRETT, GEORGE. 'Strain' in cattle and crops. Farmers Weekly [London] 20(11): 31. Mar. 17, 1944. 10 F2226

Records of Maple Lodge strain of Guernsey cattle in Australian herd.

19410 KELLEY, R. B. Zebu-cross cattle in Northern Australia, an ecological experiment. Austral. Council Sci. and Indus. Res. Bul. 172, 96 p. Melbourne, 1943. Ref., p. 93-96. 514 Au72B

19411 KINCAID, JOHN. The Belted Galloway. Scot. Farmer (Spec. Album No.) 52: 112. Jan. 1, 1944. 10 Sco8

19412 \*KNIELY, A. Nachzucht-schauen im Tiroler fleckviehzuchtverband. Deut. Landw. Tierzucht 47: 217-218. Nov. 6, 1943. 49 D48

19413 \*KOPPE, Nachzuchtprämierungen helfen rasse und leistung verbessern. Deut. Landw. Tierzucht 47: 219-220. Nov. 20, 1943. 49 D48

Dairy cattle breeding for increased milk production.

19414 \*KORSHOLM, K. P. Kunstig sædoverføring. Ugeskr. for Landmaend 88: 774. Nov. 5, 1943. 11 Ug3

Artificial insemination of cattle.

19415 LEWIS, R. E. Indicate polled [Ayrshire] characteristics. Ayrshire Digest 30(3): 7. Mar. 15, 1944. 43.8 Ay7

19416 LIMA, E. B. Pureza racial e cruzamento. Chacaras e Quintais 68: 589-592. Nov. 15, 1943. 9.2 C34

Dairy cattle breeding in Brazil.

19417 LITTLEWOOD, R. W. Grading cattle in the Anamalai Hills. Indian Farming 4: 351-352. July 1943. 22 In283

Breeding grade dairy cows to pure bred sires.

19418 \*LÖWE, H. Vererbungswissenschaftliche probleme der züchtung. Forschungsdienst, Sonderheft 16, p. 569-574. Berlin, 1942. Ref. 18 F772

In Germany.

19419 \*OBKE, Erfolgreiche mai-absatzveranstaltung der Thüringer fleckviehzucht. Deut. Landw. Tierzucht 47: 215-216. Nov. 6, 1943. 49 D48

19420 \*PEDERSEN, VIGGO. Nye tyske forsøg med krydning af forskellige hvedyracer. Ugeskr. for Landmaend 88: 775-776. Nov. 5, 1943. 11 Ug3

Breeding experiment in Germany by crossing different breeds of livestock, with special reference to crossing Jersey cattle with black-brindled lowland cattle.

19421 PELLETIER, J. R. Ayrshires move fast in Alberta. (To be cont.) Canad. Ayrshire Rev. 24: 345-346, 348. Mar. 1944. 43.8 Ay72

19422 \*PLUM, MOGENS. Den kunstige sædoverførings alvebiologiske problemer. Ugeskr. for Landmaend 88: 790-796. Nov. 12, 1943. 11 Ug3

Advantages and disadvantages of breeding dairy cattle by artificial insemination.

19423 REVEILLEAU, ALFEU. O papel das raças bovinas indianas na pecuária paulista. Rev. Rural Bras. 23(279): 28-29. Nov. 1943. 9.2 B733

Zebu cattle in Brazil.

19424 RICHARDSON, T. C. Yes, we have good Jerseys...reviewing the Southwest's better livestock. Farmer-Stockman 57: 141, 149. Apr. 1944. 6 Ok45

19425 ROBB, C. J. Herefords in Ireland. Cattleman 30(11): 18. Apr. 1944. 49 C29

19426 ROBINSON, C. W. A chapter in Guernsey history. Guernsey Breeders' Jour. 65: 546-547, 555-556. Apr. 1, 1944. 43.8 G93

19427 TAUSSIG, STEFAN. Building the future dairy herd. N. Y., Onondaga Co. Farm Bur. News 24 (2): 13, 18. Feb. 1944. 275.293 N.Y., Onondaga Co.

19428 TROWBRIDGE, E. A. Missouri, home of top Aberdeen-Angus. Aberdeen-Angus Jour. 25(8): 58, 60, 62, 64, 68. Mar. 1944. 43.8 Ab3

History of the breed in Missouri.

19429 \*UHMANN, OLR. Mindestleistungen bei der körung von bullen. Landesbauernschaft Sachsen. Wchnbl. 91: 273. June 12, 1943. 18 Sal

19430 VAUPEL, M. G. Bloodlines highly important in purebred Shorthorn cattle. Shorthorn World 28(23): 22-24. Feb. 25, 1944. 43.8 Sh8

19431 \*WINNIGSTEDT. Die bewährung der eingeführten schwarzbunten holländischen zuchtkühe und zuchtbullen im Rheinland. Deut. Landw. Tierzucht 47: 175-176. Aug. 28, 1943. 49 D48

#### Feeds and Feeding

19432 ARMSTRONG, MAX. Cattle; started by Mission Fathers, beef is the oldest industry in Monterey County. Calif. Cattleman, Mar. 1944, p. 12. 43.8 Cl2

Stresses feeding.

19433 \*BEGUCHEV, A. Teliata na pastbische [Calves in the pasture]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 19-20, May/June 1943. 281.8 K83

Discusses feeding.

19434 BRATTON, R. W. Influence of quality of protein in the concentrate mixture on the milk production of dairy cows fed mixed hay and corn silage as roughage. Cornell Univ. Abs. of Theses, 1942: 455-459. 1943. 241.8 C81

19435 \*BREIREM, KNUT. Förplaner for vinterförläringa på fjöset i År. Norsk Landbruk 9: 342-344. Dec. 24, 1943. 11 N8122

Adequate winter feeding program in Norway for dairy cattle, with limited feed supply.

19436 \*BREIREM, KNUT. Vinterförläringa på fjöset i År. Norsk Landbruk 9: 279-282. Oct. 15, 1943. 11 N8122

Discusses the available feed supply and the feeding of dairy cattle, in winter.

19437 \*BÜNGER, H. Das futtermolumen beim rind. Forschungsdienst, Sonderheft 16, p. 668-672. Berlin, 1942. 18 F772

19438 \*BÜNGER, H. Futterwert und verfütterung der rapsrückstände. Landesbauernschaft Württemb. Wchnbl. 110: 395. July 3, 1943. 18 W96

Feeding value of rape byproducts for dairy cows.

19439 \*DINKHAUSER, F. Fattersparnis bei der kälberaufzucht. Landesbauernschaft Württemb. Wchnbl. 110: 359. June 12, 1943. 18 W96

Feeding whole and skim milk to dairy calves.

19440 DREXLER, A. More milk from cheap winter grazing. Farmer & Stock-Breeder 58: 345. Feb. 29, 1944. 10 F228

19441 DUCK, R. W. Feeding and caring for dairy calves. Rural New-Yorker 103: 166, 168. Mar. 18, 1944. 6 R88

19442 DYKSTRA, R. R. Good water means bigger beef output. Amer. Hereford Jour. 34(21): 10-11. Mar. 1, 1944. 43.8 Am32

19443 ELLENBERGER, H. B. Feeding the dairy cow in 1944. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 129-140. 44.9 V593

19444 \*GEGERLE, P. Richtige kälbertränkung; ein weg zur einsparung von milch und zur zweckmäßigen aufzucht. Landesbauernschaft Sachsen. Wchnbl. 91: 302. July 3, 1943. 18 Sal

19445 GERLAUGH, PAUL. Cobs of real value in beef, cattle feed. Grain & Feed Jour. Consolidated 92: 243. Mar. 22, 1944. 298.8 G762

19446 GREEN, H. B. A Cumberland tuberculing, testing, pioneer. Farmer & Stock-Breeder 58: 346. Feb. 29, 1944. 10 F228

Discusses a Milking Shorthorn herd, and feeding with artificially dried grass.



- 19447 \*HEIMBRODT. Zum weideaustrieb. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 242. Apr. 24, 1943. 18 Sa9  
Season for pasturing dairy cattle.
- 19448 HEWITT, A. C. T. A mineral feeding trial with dairy cows in the Kiewa Valley. Victoria. Dept. Agr. Jour. 42: 2-3. Jan. 1944. 23 V66J
- 19449 HURD, R. M., and Pearse, C. K. Relative palatability of eight grasses used in range reseeding. Amer. Soc. Agron. Jour. 36: 162-165. Feb. 1944. 4 Am34P
- 19450 \*JENSEN, H. L. Roetoppens udnyttelse. Ugeskr. for Landmaend 88: 697. Oct. 1, 1943. 11 Ug3  
Utilization of fresh and ensiled sugar beet tops as cattle feed.
- 19451 JONES, J. H., and WHITFIELD, C. J. Pasture alone for fattening yearlings. Cattleman 30(11): 35. Apr. 1944. 49 C29
- 19452 \*JØRGENSEN, HALFDAN. Kvaegets vinterfodring. Ugeskr. for Landmaend 88: 803-805. Nov. 19, 1943. 11 Ug3  
Winterfeeding of dairy cattle in Denmark. Adjustments made on account of feed shortages.
- 19453 \*JORIS. Überwinternde Zwischenfrüchte; "frühes grünfutter, auch ein schlüssel zum geordneten futterhaushalt." Weidewirtsch. u. Futterbau 18: 11-12. Aug. 28, 1943. (Beilage z. Deut. Landw. Tierzucht, v. 47, No. 34/35) 49 D48
- 19454 KRAUSS, W. E. Essentials of dairy calf nutrition and their practical application. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 118-120. 44.9 V593
- 19455 KRAUSS, W. E. Feeding to avoid summer slump in milk production. Milk Dealer 33(6): 46-47. Mar. 1944. 44.8 M595
- 19456 KRAUSS, W. E. New feeding knowledge and wartime dairy cow rations. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 123-128. 44.9 V593
- 19457 \*KUHL, WILHELM. Verwertung von grünrohr als futtermittel. Landesbauernschaft Württemb. Wchnbl. 110: 360. June 12, 1943. 18 W96  
As cattle feed.
- 19458 \*LANG, FR. Saubere milchgewinnung auch während der rübenblattfütterung. Deut. Landw. Tierzucht 47: 198-199. Oct. 9, 1943. 49 D48
- 19459 \*LENTZ. Vorsicht bei beginn der grünfütterung. Landesbauernschaft Bayern. Wchnbl. 133: 243. Apr. 17, 1943. 18 B34W  
Dairy cattle pasturing.
- 19460 \*MEISNER. Das futter bedingt die leistung; voraussetzung für eine erfolgreiche sommerstallfütterung. Landesbauernschaft Württemb. Wchnbl. 110: 271. Apr. 24, 1943. 18 W96  
Feeding dairy cows.
- 19461 MITCHELL, J. H., and WISE, G. H. The comparative effects of continual and rotational systems of grazing on the carotene content of permanent pasture herbage and of the milk produced therefrom. Jour. Dairy Sci. 27: 189-196. Mar. 1944. Ref. 44.8 J822
- 19462 MONROE, C. F., and KRAUSS, W. E. Fat in the dairy grain mixture. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 15-26. Jan./Feb. 1944. 100 Ch3S  
Effect of the level of fat supplied by oil meal on milk production.
- 19463 \*NEUMANN, FRITZ. Der wert einwandfreien gärfutters für hohe milchleistung. Deut. Landw. Tierzucht 47: 203. Oct. 23, 1943. 49 D48
- 19464 PARKHURST, R. T. Sources and supplies of essential vitamins for dairy and poultry feeding. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 150-152. 44.9 V593
- 19465 PERKINS, A. E., and others. The preservation and feeding of carrots as combination silages. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 10-14. Jan./Feb. 1944. 100 Ch3S  
C. C. Hayden, W. E. Krauss, R. G. Washburn, and C. F. Monroe, joint authors.
- Carrot roots and tops ensiled with corn and also with green alfalfa are nutritive feed for dairy cows.
- 19466 PICKERING, H. H. Stocking pastures with beef cattle and sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 537-540. Mar. 1944. 10 G79J  
Pasture management.
- 19467 PICO, FRANK. El guandul (frijol de palo) como alimento para el ganado. Rev. de Agr. y Com. [Panama] 3(28): 17-19. Dec. 1943. 8 R3291
- 19468 POZZI, C. M. El empleo de yodo para aumentar la producción de leche. Rev. de Agr. y Com. [Panama] 3(28): 55-56. Dec. 1943. 8 R3291
- 19469 RALSTON, N. F. The relative feeding value of silages fed to dairy cows for milk production and to growing dairy heifers. Cornell Univ. Abs. of Theses, 1942: 464-471. 1943. 241.8 C81
- 19470 \*ROSENBERGER, G. Wie steht es mit der verträglichkeit des futterkohls? Deut. Landw. Tierzucht 47: 211-212. Nov. 6, 1943. 49 D48  
Cattle feeding.
- 19471 \*ROTTENSTEIN, KNUD. Den kommende vinters mineralstofproblem. Ugeskr. for Landmaend 88: 863-866. Dec. 10, 1943. 11 Ug3  
Discusses satisfactory mineral content for winter feed of dairy cattle and swine in Denmark.
- 19472 \*SCHREIBAUER, H. Fütterungsversuch mit dicksaurem magermilch. Landesbauernschaft Bayern. Wchnbl. Aug. A 133: 501A. Sept. 11, 1943. 18 B34W  
Feed for dairy calves.
- 19473 SIEVERS, ANGELIKA. Die rindviehwirtschaft der Vereinigten Staaten von Amerika. Futtergrundlagen und betriebswirtschaftliche eigenart. Berlin. Univ. Inst. f. Meeresak. Veröffentlich. (N. F.) B. Hist.-Volksw. Reihe, Heft 14, 118 p. Berlin, 1939. Ref., p. 112-118. 43 S12
- 19474 SLOCUM, G. W. Some suggestions to help meet the critical food situation in the Northeast. Dairymen's League News 28(7): 8. Mar. 28, 1944. 44.8 D1432  
Dairy cattle feeds.
- 19475 SMITH, J. W. G. Conserved pasture hay and silage, a means of increasing dairy production. Agr. Gaz. N. S. Wales 55(1): 7. 10. Jan. 1, 1944. 23 N472
- 19476 SYLVESTRE, P. E. The creep feeding of beef calves. Shorthorn News 5(1): 7-8. Mar. 1944. 43.8 Sh85
- 19477 \*TROSHIN, I. Vyreshchivanie telfat na moloke s ponizhennym procentom zhira [Raising calves on milk with a lower percentage of fat]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 22-23. Feb./Mar. 1943. 281.8 K83
- 19478 VOLK, N. J. Feed cows better to increase milk supply. Farm for Victory, Feb. 1944, p. 9. 281.8 F226
- 19479 WILLIAMSON, FRED. Provide green pastures for good milk. Prog. Farmer, Miss.-Ark.-La. Ed. 59 (3): 16. Mar. 1944. 6 So81
- 19480 \*ZIEB. Zweckmäßige fütterung der milchkühe in kommenden winter. Landesbauernschaft Württemb. Wchnbl. 110: 595-596. Oct. 30, 1943. 18 W96



Veterinary Medicine

- 19481 ALLEN, N. N. Mastitis and feeds. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 141-143. 44.9 V593*
- 19482 ALLEN, N. N. The Vermont program for mastitis control. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 73-76. 44.9 V593*
- 19483 \*BENDIXEN, H. C. Systematic combating of brucellosis, with a special view to large herds. *Skand. Vet. Tidsskr. 33: 705-736. Dec. 1943. 41.8 Sk1*
- 19484 BRADT, C. G. Facts about Bang's disease in cattle. *N. Y., Orange Co. Farm Bur. News 21(2): 5. Feb. 1944. 275.293 N. Y., Orange Co.*
- 19485 BREED, R. S. Mastitis infections and their relation to the milk supply. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 89-105. 44.9 V593*
- 19486 BUCHLI, R. I. Cesarean section to save calf, an economic measure in traumatic gastritis. *Vet. Med. 38: 486. Dec. 1943. 41.8 M69*
- 19487 CAMPERCHIOLO, E. E. Que se debe hacer frente a casos de carbunclo sintomático o "mancha" de los terneros? *Fed. Argentina de Coop. Tamberas Lda. Rev. 1(7): 4. Feb. 1942. 280.28 F31*
- 19488 CARO, G. A. Tíña tonsurante de los terneros. *Campo y Arados 7(82): 9. Dec. 1943. 9.9 C152*
- 19489 COPITHORNE, CLARENCE. Bang's disease and calfood vaccination as a rancher sees it. *Canad. Cattleman 6: 160-161. Mar. 1944. 49 C16*
- 19490 COTE, F. T. Rape poisoning in cattle. *Canad. Jour. Compar. Med. 8: 38-41. Feb. 1944. 41.8 C162*
- 19491 D'APICE, MARIO. Brucelose bovina (aborto contagioso bovino). (Cont.) *Rev. dos Criadores 14 (16): 37-40. Dec. 1943. 43.8 R32*
- 19492 DAUGHERTY, W. E. The challenge of mastitis control. *Vet. Student 6: 133, 169-170. Winter 1944. 41.8 V6425*
- 19493 DURÁN, J. J. Algunas enfermedades del ganado. *Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 66, Ser. 2, 8 p. n. d. 102 C492*
- Piroplasmosis, anaplasmosis, and brucellosis.
- 19494 EMMEL, M. W. The toxicity of Glottidium vesicarium (Jacq.) Harper for cattle. *Amer. Vet. Med. Assoc. Jour. 104: 222-223. Apr. 1944. 41.8 Am3*
- 19495 \*FERNANDES, ALBINO. Manutenção dos gados nas regiões agrícolas da Colônia de Moçambique situadas em zonas de tripanosomíases. *Moçambique, No. 29, p. 101-159. 1942. 110 M71*
- Treatment with tartar emetic injections.
- 19496 FRAYER, J. M. Laboratory tests for mastitis and their interpretation. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 77-85. 44.9 V593*
- 19497 GOPALAKRISHNAN, V. R. Control of cattle diseases and parasites; in Assam. *Indian Farming 4: 263-265. May 1943. 22 In283*
- 19498 GUYAUX, R. J. Le surfen C. dans le traitement de la trypanosomiase des bovidés à Trypanosoma congolense. *Bul. Agr. du Congo Belge 32: 83-88. Mar./Dec. 1941. 24 K83*
- 19499 HATCH, R. D. Vaginal smears in the diagnosis of vitamin A deficiency in dairy cattle. *Amer. Vet. Med. Assoc. Jour. 104: 125-216. Apr. 1944. 41.8 Am3*
- 19500 ILLINOIS STATE VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON BRUCELLOSIS. Report. *North Amer. Vet. 25: 215-217. Apr. 1944. 41.8 N812*
- 19501 KETOVER, NORMAN. The treatment of mastitis. *Middlesex Vet. 3(1): 25-26. Fall 1943. 41.8 M583*
- 19502 KLUSSENDORF, R. C. Bovine mastitis. *Norden News 18(2): 4-5. Mar./Apr. 1944. 41.8 N75*
- 19503 KLUSSENDORF, R. C. Mastitis or garget -- its treatment and control. *Guernsey Breeders' Jour. 65: 548-549, 556. Apr. 1, 1944. 43.8 093*
- 19504 KORD, C. E. Mastitis problems. *Jersey Bul. 63: 252, 282-283. Mar. 5, 1944. 43.8 J48*
- 19505 KRICHMEL, J. E. Uterine disorders following parturition. *Iowa Vet. 15(2): 7, 32-33. Mar./Apr. 1944. 41.8 I09*
- 19506 LANGHAM, R. F., THORP, FRANK, JR., and HALLMAN, E. T. Adenoma of the bovine bladder. *Amer. Jour. Path. 20: 421-427. Mar. 1944. 448.8 Am39*
- 19507 \*LENTZ. Die bekämpfung der lebererkrankheit. *Landesbauernschaft Bayern Wchnbl. 135: 295. May 15, 1943. 18 B34W*
- 19508 LITTLE, R. B. Newer aspects of mastitis control. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 106-115. 44.9 V593*
- 19509 LO RUSSO, RAUL. Contribución al estudio leucocitario de la sangre y leche proveniente de vacas normales. *Rev. de Med. Vet. [Buenos Aires] 25: 498-508. Sept./Oct. 1943. 41.8 B86*
- 19510 MINUT, JUAN. Temas de mesología y ecología lechera: Algunas vitaminas, la inmunidad, las enfermedades infecto-contagiosas y las estaciones. (Cont.) *Indus. Lechera 25: 639-647. Oct. 1943. 44.8 In26*
- 19511 MITCHELL, K. P. Lymphocytosis in a cow. *Vet. Med. 38: 493. Dec. 1943. 41.8 M69*
- 19512 NEWMAN, H. C. Sporadic occurrence of blackleg. *Vet. Med. 38: 489-490. Dec. 1943. 41.8 M69*
- 19513 NORTON, R. E. Clostridium welchii in mastitis. *Vet. Student 6: 141-142. Winter 1944. 41.8 V6425*
- 19514 ORTIZ BORBÓN, FERNANDO. Observaciones directas en Costa Rica sobre la anaplasmosis. *Rev. de Agr. [Costa Rica] 15: 449, 451-452. Oct. 1943. 8 Eal*
- 19515 \*POULSEN, N. P. Selvrengningen ved den smitsomme kalvekastning. *Ugeskr. for Landmaend 88: 821. Nov. 26, 1943. 11 U65*
- Spontaneous cure of contagious abortion in cattle.
- 19516 RÍSQUEZ IRIBARREN, RAFAEL, VOGELSANG, G., and GALLO, PIERO. Estado actual de la brucelosis en Venezuela. *Ofic. Sanit. Panamer. Bol. 22: 615-618. July 1943. 150.9 B872*
- English summary.
- In cattle and in man.
- 19517 ROBINSON, E. M. Two diseases of calves. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser., No. 202, 2 p. Pretoria, 1945. 24 So82P*
- Paratyphoid and pneumonia.
- 19518 RODRÍGUEZ A., JUAN. Proteínoterapia. Tratamiento de la tristeza o malaria bovina, fiebre de tejas o piraplasmosis o fiebre de la garrapata. *Managua, Nicaragua. Cám. Nac. de Cem. e Indus. Bol. 7(99): 8. Oct. 1943. 287 M316*
- 19519 \*RUBERT, BERNHARD. Ulcus pepticum beim kalbe. *Ztschr. f. Fleisch u. Milchhyg. 54: 24-25. Nov. 1, 1943. 449.8 Z35*
- 19520 SARTORY, AUGUSTE, SARTORY, RENÉ, and KOCHER, FRÉDÉRIC. Une dermatomycose fréquente des veaux causée par une espèce du genre Trichophyton. *Paris. Acad. des Sci. Compt. Rend. 216: 578-579. 1945. 505 P21*



- 19521 \*SCHUMANN. Zur bekämpfung des seuchenhaften verhaltens (abortus Bang). Landesbauernschaft Niederschles. Wchnbl. 10: 275. May 8, 1943. 18 S13
- 19522 \*SCHUMANN, A. Das bösartige katarrhaleieber (kopfrkrankheit) der rinder. Landesbauernschaft Niederschles. Wchnbl. 10: 559. Oct. 9, 1943. 18 S13
- 19523 \*SEITZMANN, M. Welche vorteile ergeben sich aus einer erfolgreichen abortus-Bangbekämpfung für milchwirtschaft und molkereien? Deut. Molk.-u. Fettwirtsch. 1: 297-298. Oct. 29, 1943. 44.8 D485
- 19524 \*VIRIDEN, P. Kalvympling vid bekämpandet av den smittsamma kastningen (The inoculation of calves for the combating of infectious abortion). Skand. Vet. Tidskr. 53: 737-745. Dec. 1943. 41.8 Sk1
- English summary.
- 19525 WRIGHT, J. G. The clinical application of oestrogens and gonadotropins. Middlesex Vet. 3(1): 15-17. Fall 1943. 41.8 M583
- 19526 ZIPKIN, ISADORE. Studies on the administration of sulfaguanidine to normal and scouring calves. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 185-192, processed. 1943. 241.8 P38

## Miscellaneous

- 19527 ABBOTT, W. S. Our cattle. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 535-537. Mar. 1944. 10 G79J
- Need for improving dairy and beef cattle in Great Britain.
- 19528 ADAMS, J. G. Correcting cattle clubs. Breeder's Gaz. 109(4): 5. 23. Apr. 1944. 49 B74
- Possibilities for improvement of dairy breed associations.
- 19529 \*AKOPIAN, K. Uskorennoe vyrashchivanie kurpnogo rogatogo skota na miaso [Accelerating the growth of large horned cattle for meat]. Sovkhoznoe Proizvodstvo 3(12): 33-36. Dec. 1943. 20 So85
- 19530 ASSIS, F. DE P. Gado leiteiro criação e exploração. VII. Produção leiteira: 1. A secreção do leite. 2. Fatores que influem na produção leiteira. Rev. dos Criadores 14(16): 60-62; 15(1): 47-50. Dec. 1943, Jan. 1944. 43.8 R32
- 19531 BALLARD, S. R. Non-stripping of machine-milked cows, successful at Candelo [New South Wales]. Agr. Gaz. N. S. Wales 55(1): 31. Jan. 1, 1944. 23 N472
- 19532 BATEMAN, G. Q. Clean yards, sheds and barns -- first requisites for production of clean milk. Farm & Home Sci. 5: 2-3. Mar. 1944. 100 UtlF
- Stresses adequate bedding and hard surfaced yards.
- 19533 BELL, R. M. Nebraska State herds improved through dairy herd testing. South. Planter 105(3): 28. Mar. 1944. 6 So89
- 19534 \*BIEGERT, HANS. Bedeutung u. erhaltung der rindviehbestände im krieg. Landesbauernschaft Württemb. Wchnbl. 110: 441. July 31, 1943. 18 W96
- In Germany.
- 19535 BLACKMAN, C. L. More milk for '44. Ohio Farmer 193(5): 12. Mar. 4, 1944. 6 Ch3
- Program to help meet goal with present herds and available feed.
- 19536 BLANCHET, JEAN. Le soin des veaux d'élevage. Terre de Chez Nous 16(19): 7. Feb. 9, 1944. 7 T27
- 19537 BOWLING, G. A. Defense of the registered dairy cow. Jersey Bul. 63: 319, 328, 330, 332, 334. Mar. 20, 1944. 43.8 J48
- 19538 \*BREIREM, KNUT. Produksjon av vitaminrik melk. Stiftelse Svenska Lantbruksveckan. Handl. (1943) 32: 269-291. 11 Sw34
- Production of vitamin-rich milk in Norway.
- 19539 CANO, A. E. Tambo sin ternero. Campo Buenos Aires, 28(325): 14. Nov. 1943. 9 C15
- Advocates weaning the calves in a few days.
- 19540 CHAUDHURI, A. C., and RATHORE, A. Tharparker herd at the Patna Cattle Farm. Indian Farming 4: 369-371. July 1943. 22 In283
- Discusses breeding, milk yield, fodder cultivation, and functions of this Farm in India.
- 19541 CORNEJO M., MARIO, ESPE, DWIGHT, and CANNON, C. Y. The influence of low environmental temperatures on intramammary temperatures. Jour. Dairy Sci. 27: 181-188. Mar. 1944. 44.8 J822
- 19542 CUSHMAN, C. G. Post war things to consider. Jersey Bul. 63: 312-313, 342, 344-351. Mar. 20, 1944. 43.8 J48
- The southern dairy industry from a southeastern viewpoint.
- 19543 DAVIS, J. G. Origenes de la ganaderia Argentina. Indus. Lechera 25: 651-659. Oct. 1943. 44.8 In26
- 19544 DAY, G. E. Looking backward by J. W. Barnett [over his ranching experiences with Shorthorns in Canada]. Shorthorn News 5(1): 9-13. Mar. 1944. 43.8 Sh85
- 19545 \*DIETRICH. Aufgaben der ostdeutschen rinderzucht. Deut. Landw. Tiersucht 47: 181-182. Sept. 11, 1943. 49 D48
- Dairy cattle investigations.
- 19546 DIXON, P. T. Water and disease, the existence and well-being of our dairy, cattle depend on liberal supplies of clean water. Farmers Weekly [London], 20(11): 31. Mar. 17, 1944. 10 F2226
- 19547 DOMINGUES, OCTAVIO. A nova campanha leiteira absoluta. Chacaras e Quintais 68: 603-604. Nov. 15, 1943. 9.2 C34
- Milk records of Carnation Ormsby Madcap Fayne, Holstein-Friesian cow, Carnation Milk Farms, Seattle, Wash.
- 19548 \*DUDIN, S. O vosstanovlenii i dal'neishem razvitii miasnogo skotovodstva [Concerning the restoration and further development of cattle for meat]. Sovkhoznoe Proizvodstvo 3(12): 9-13. Dec. 1943. 20 So85
- 19549 EUDALY, E. R., and THOMPSON, O. W. More milk for 1944. Farm and Ranch 63(3): 24. Mar. 1944. 6 F31
- Eight-point dairy program.
- 19550 \*FREYSCHMIDT. Etwas über das euter der milchkuh. Deut. Landw. Tiersucht 47: 201. Oct. 9, 1943. 49 D48
- 19551 \*GALIARDO, J. A. Una solución parcial al problema de la tracción en el campo. Surco [Madrid], 11(15): 7. Mar. 1943. 15 Su7
- Use of cattle as draft animals.
- 19552 GONZALEZ VERGARA, ANDRES. La ganaderia y sus derivados: leche y carne, observaciones comparativas; notas de un viaje a Argentina. Union Agr. del Sur 1(8): 49-50. Nov. 1943. 9.3 Un3
- 19553 GOURLAY, R. A. Galloway cattle in 1943. Scot. Farmer (Spec. Album No.) 52: 110-111. Jan. 1, 1944. 10 Sco8
- Discusses mainly the sales in Great Britain.
- 19554 GREEN, G. W. Bar 14's story and the story behind it. S. L. Savidge's wellknown Washington Hereford establishment. Amer. Hereford Jour. 34(22): 28-30. Mar. 15, 1944. 43.8 Am32
- 19555 GREEN, G. W. [Oscar, Smith and Billy, Freeman set sights on quality; Washington Hereford firm aims to get results by building on the right sort of a foundation... Amer. Hereford Jour. 34(23): 10-11, 51. Apr. 1, 1944. 43.8 Am32
- 19556 GRIFFITHS, R. S. No regrets on his turn to Herefords... T. G. Hesnard has built 200-head cow herd on his fine South Dakota ranch. Amer. Hereford Jour. 34(23): 22-23. Apr. 1, 1944. 43.8 Am32



19557 HACKNEY, MRS. H. H. Fitting for show and sale. *Aberdeen-Angus Jour.* 25(8): 38, 40-42, 46. Mar. 1944. 43.8 Ab3

19558 \*HORN, MAX. Ergebnisse der milchleistungsprüfungen 1942. *Landesbauernschaft Württemb. Wchnbl.* 110: 584. Oct. 23, 1943. 18 W96

Milk records from Ravensburg, Germany.

19559 \*FURNALIAI, A. Kak priinat, novorozhdenogo telushka [How to care for the newborn calf at birth]. *Kolkhoznoe Proizvodstvo*, No. 2/3, p. 20-21. Feb./Mar. 1943. 281.8 K83

19560 \*FURNALIAI, A. Podgotovka korov k otshlu [Prenatal care of cows]. *Kolkhoznoe Proizvodstvo*, No. 1, p. 23-24, Jan. 1943. 281.8 K83

19561 KING, F. M. J. J. Ballard [cattleman] one of the West's builders. *West. Livestock Jour.* 22(24): 61-62. Mar. 15, 1944. 6 F2278

19562 \*KLIESCH, J. Stallbau und haltung. *Forschungsdienst, Sonderheft* 16, p. 577-587. Berlin, 1942. Ref., p. 586-587. 18 F772

19563 \*KREUTZBERG. Hat der abmelkstill heute noch daseinberechtigung? *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 494. Sept. 18, 1943. 18 Sa9

Disapproval of method of selling dairy cows for slaughter when milk yield is reduced, and purchasing others, instead of breeding them.

19564 LADD, J. E. Faster milking found efficient. *Better Rural Life* 5(3): 2. Mar. 1944. 275.29 R34B

19565 \*LAMPRECHT. Merzt leistungsschwache tiere aus. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 242. Apr. 24, 1943. 18 Sa9

Culling beef and dairy cattle.

19566 LARSON, E. O. Results in students' division of all-time all-American [dairy cattle judging] contest. *Holstein-Friesian World* 41: 364-365. Mar. 18, 1944. 43.8 H742

19567 \*LENTZ. Regelmässige körperpflege steigert die milchleistung der kühe. *Landesbauernschaft Niederschles. Wchnbl.* 10: 609. Nov. 20, 1943. 18 S13

19568 LINTZEL, W. Como se forman los principales componentes de la leche; función que desempeña la sangre en el organismo de los animales productores. *Chihuahua Ganad.* 4(38): 22-25. Feb. 1, 1943. 43.8 C43

19569 MCALLISTER, G. B. Texans like their sales [of milking Shorthorn cattle]. *Milking Shorthorn Jour.* 25(3): 17. Mar. 1944. 43.8 M59

19570 MCDOUGALL, A. P. What of our herds? *Estate Mag.* 44: 66-69. Mar. 1944. 10 Es8

On a policy of increasing cattle production in Great Britain and its possibilities.

19571 MCINTYRE, C. W. Influence of [dairy] cow families in herd; analytical study of three in Hatch Experiment Station herd which you might employ in study of your own cows. *Jersey Bul.* 63: 256-257. Mar. 5, 1944. 43.8 J48

19572 METZ, W. G. Better beef this Wyoming area's goal; Hereford breeders...head up a progressive livestock program. *Amer. Hereford Jour.* 34 (23): 28, 88-89. Apr. 1, 1944. 43.8 Am32

19573 PARÍSIO, PAULO. "Fazenda Sao Carlos." *Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol.* 10(2): 5-7. June 1943. 9.2 P423

Describes a visit to a Texas ranch with special mention of Zebu cattle.

19574 PERRY, E. J. Records attack [dairy cattle] inefficiency. *Guernsey Breeders' Jour.* 65: 545, 555. Apr. 1, 1944. 43.8 G93

19575 \*PHILIPP, OSKAR. Höhere milchleistung. *Landesbauernschaft Niederschles. Wchnbl.* 10: 491. Sept. 11, 1943. 18 S13

19576 PROULX, J. R. La vache laitière avant et après la mise-bas. *Bul. des Agr.* 40(3): 25-26. Mar. 1944. 7 B872

19577 RECORDS, R. H. Range riding and ranching in southern Kansas, 1879-1881. Part I. *Cattleman* 30(10): 40, 42-46. Mar. 1944. 49 C29

19578 ROBINSON, C. W. Advanced [Register] testing of Guernseys in California. *West. Livestock Jour.* 22(24): 98-99. Mar. 15, 1944. 6 F2278

19579 RODGERS, B. W. Dairying as a sideline in Australia. *So. Austral. Dept. Agr. Jour.* 47: 270. Jan. 1944. 23 So84

19580 RODRIGUEZ ROSAS, VICTOR. Mejora de las lecherias. *Vida Rural* 5(53): 31-32. Dec. 1943. 9.4 V66

Care and management of dairy calves.

19581 \*ROSANOV, N. S. Zagotovka i ispol'zovanie torfianoi podstilki [Preparation and utilization of peat litter]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz.* No. 99/100, 16 p. folder. Moskvo, 1943. 20 Ag88

Bedding for cattle.

19582 ROY, J. B. Vingt ans de progrès, la formation d'un bon troupeau laitier est à l'origine des améliorations qui ont conduit la ferme Frappier au succès. *Bul. des Agr.* 40(3): 14, 21. Mar. 1944. 7 B872

A farm in Canada stocked with Ayrshire cattle.

19583 \*SEMENOVYKH, F. Korovy na sel'khozrobotakh [Cows in farm work]. *Kolkhoznoe Proizvodstvo*, No. 1, p. 25. Jan. 1943. 281.8 K83

Strong dairy cows giving little milk trained to work as draft animals.

19584 \*SHAUMIAN, V., and SHTEIMAN, S. Kholodnyi metod vyrashchivaniia telfat [Cold method of raising calves]. *Sovkhoznoe Proizvodstvo* 3(12): 20-25. Dec. 1943. 20 So85

Discusses the raising of calves in unheated quarters on the state farm "Karaevo" in the U. S. S. R.

19585 SHEPARDSON, C. N. More milk from fewer cows the better route. *Prog. Farmer, Tex. Ed.* 59 (4): 27. Apr. 1944. 6 T311

19586 SHULTZ, E. N. Selecting a broad [dairy] cow. *Guernsey Breeders' Jour.* 65: 458-459, 469. Mar. 15, 1944. 43.8 G93

19587 SIMPSON, H. T. How to keep more [dairy] cows; the bail is the answer—saves labour and helps the land. *Dairy Farmer [London]* 17(3): 5, 23. Mar. 1944. 44.8 D1414

19588 SMITH, ARTHUR. Improving influences; of the sixteen factors which influence the butterfat content of milk, the farmer has some sort of control over at least ten. *Farmers Weekly [London]* 20(10): 27, 28. Mar. 10, 1944. 10 F2226

19589 SPIELMAN, A. A., and HILL, O. J. Three ways to put a persistent cow dry. *Wash. Farmer* 69: 145. Mar. 16, 1944. 6 R151

19590 STEWART, W. A. Cropping and feeding for winter milk. *Agriculture (Jour. Min. Agr. Gt. Brit.)* 50: 540-543. Mar. 1944. 10 G79J

19591 \*STORSTAD, SEVERIN, STORHEIL, BJØRN, and AAS, NILS. Kontrollforeningenes framtidsordning. *Norsk Landbruk* 9: 338-339. Dec. 10, 1943. 11 N8122

The future of the dairy herd improvement associations in Norway.

19592 SUTHERLAND, ALEX. Aberdeen-Angus cattle in 1943. *Scot. Farmer (Spec. Album No.)* 52: 61-64. Jan. 1, 1944. 10 So8

Mainly about sales in several countries.

19593 SUTHERLAND, ALEX. Dairy cattle in Scotland in 1943. *Scot. Farmer (Spec. Album No.)* 52: 121-127. Jan. 1, 1944. 10 So8

Discusses mainly shows and sales.



19594 SUTHERLAND, ALEX. Shorthorn cattle in 1943. Scot. Farmer (Spec. Album No.) 52: 57-60. Jan. 1, 1944. 10 Sco8

Mainly about sales in several countries.

19595 SWAFFAR, PAUL. Display only attractive samples. Shorthorn World 28(23): 5, 13. Feb. 25, 1944. 43.8 Sh8

Advice on advertising cattle and on use of illustrations.

19596 TAYLOR, JED. Dairying on irrigated farms. U and I Cult. 4(1): 25. Mar. 1944. 66.8 U12

19597 TUMMON, C. R. Herd testing and culling. Queensland Agr. Jour. 58: 41-42. Jan. 1944. 23 Q33

Stresses need for records and testing.

19598 VEIGA, J. S. A vaca leiteira; principais pontos considerados no seu julgamento pelo exterior. Rev. Rural Bras. 23(277): 42-45. Sept. 1943. 9.2 B733

19599 VERNEY, L. Good and bad practice in milking. Queensland Agr. Jour. 58: 39-40. Jan. 1944. 23 Q33

19600 VERNEY, L. Reasons for keeping milk records. Queensland Agr. Jour. 58: 41. Jan. 1944. 23 Q33

19601 \*VOPELIUS. Der herdbuchführer in der milchseuchtungs-schlacht. Landesbauernschaft Württemb. Wchnbl. 110: 296. May 8, 1943. 18 W96

19602 WATSON, CHALMERS. Mastitis and milking methods; records of six cows. Farming News 96(9): 16. Feb. 25, 1944. 10 N82

19603 WATSON, J. A. S. Dairy cattle in Cumberland County, Pennsylvania. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 533-535. Mar. 1944. 10 G79J

19604 WYBLE, EUGENE. Ten thousand proved dairy sires. Board's Dairyman 89: 170. Mar. 25, 1944. 44.8 B55

#### DOGS AND CATS

##### Breeds and Breeding

19605 AGUIAR, J. P. DE. O cão de caça português. Fauna [São Paulo] 1(8): 34-35. Aug. 1942. 410 F272

19606 THE BREEDS in brief, No. 25: Toy Manchester terrier. Amer. Kennel Gaz. 61(4): 29-30, 137-138. Apr. 1944. 48.8 Am3

19607 CAMPANARIO, MANOEL. Como trabalha no campo um puro sangue "Pointer." Fauna [São Paulo] 1(7): 24. July 1942. 410 F272

19608 LONGSDORF, H. E. Giving a dog [lawless Boy, a Pointer] his due. Amer. Field 141: 294. Mar. 25, 1944. 410 Am3

19609 \*LÜDERS. Der bodenständige herdengebrauchshund. Deut. Landw. Tierzucht 47: 213-214. Nov. 6, 1943. 49 D48

19610 MONTEVERDE, E. A. Um pouco de história do Setter. Fauna [São Paulo] 2(1): 26-28. Jan. 1943. 410 F272

19611 SANTOS, E. O Greyhound - galgo inglês de pelo duro. Fauna [São Paulo] 1(12): 22-23. Dec. 1942. 410 F272

19612 SANTOS, EURICO. Algo sobre os gatos domésticos. Fauna [São Paulo] 1(7): 14-16. July 1942. 410 F272

Discusses breeds of cats.

19613 SMITH, A. C. Dogs for companions. Field 153: 232. Feb. 26, 1944. 10 F45

Several breeds are discussed.

##### Feeds and Feeding

19614 DISSELHORST, LOUISE. Feeding puppy for the duration. All-Pets Mag. 15(10): 22. Mar. 1944. 48.8 A15

19615 MICHAUD, L., and ELVEHJEM, C. A. The nutritional requirements of the dog. Nutr. Abs. and Rev. 13: 323-331. Jan. 1944. Ref., p. 330-331. 389.8 N95

19616 SMITH, A. C. Dangerous dog meat. Field 153: 52. Jan. 8, 1944. 10 F45

Meat (including horsemeat) good food for dogs only if fresh and sound.

##### Veterinary Medicine

19617 BARRETT, C. D. The veterinarian and the army sentry dog. North Amer. Vet. 25: 226-232. Apr. 1944. 41.8 N812

19618 CAMPERCHIOLI, E. E. Enfermedades de los animales transmisibles al hombre. La vida del perro en contacto con la del hombre. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(9): 17; (10): 6-7; (11): 15-16; (12): 12-13; 2(13): 13-14; (14): 13-14. Apr.-Sept. 1942. 280.28 F51

Diseases and parasites of dogs transmissible to man.

19619 ESTLER, L. E. The treatment of dry eczema in dogs. Vet. Med. 38: 494. Dec. 1943. 41.8 M69

19620 FARIA, ASCANIO, and BRAGA, AMÉRICO. Neuro-histo-patologia da cinomose. Caça e Pesca 3(26): 36. July 1943. 410 C11

19621 GOOCH, J. M. Prenatal ascarid infection [in a dog]. Vet. Student 6: 140-141. Winter 1944. 41.8 V6425

19622 GREENE, J. E. Canine distemper. Vet. Med. 38: 466-469. Dec. 1943. 41.8 M69

19623 GREINER, N. L. Panleucopenia [in cats]. Our Dumb Anim. 77: 57. Mar. 1944. 48.8 Ouf  
Signed N. L. G.

19624 HOLLER, O. H. Inguinal hernia in a bitch. Vet. Med. 38: 492. Dec. 1943. 41.8 M69

19625 KOUTZ, F. R. Recent observations on parasites in small animals. Amer. Vet. Med. Assoc. Jour. 104: 199-203. Apr. 1944. 41.8 Am3

Dogs and cats.

19626 LÖNS, A. Die behandlung unserer erdhunde nach der jagd. Deut. Jagd, No. 47/48, p. 451-452. Feb. 28, 1941. 410 D48

Treatment of wounds received in hunting.

19627 MONTEIRO, MOACYR. Rachaduras - "frieiras" - inflamação - pouca resistencia e outras doenças dos pés dos cães caçadores - como preveni-las e cura-las. Fauna [São Paulo] 1(10): 14. Oct. 1942. 410 F272

19628 PETERSEN, O. A higiene da boca e dentes dos cães. Fauna [São Paulo] 1(10): 25. Oct. 1942. 410 F272

19629 RATHSAM, E. W. Mambiubá ou piroplasmose canina. Caça e Pesca 3(19): 37. Dec. 1942. 410 C11

19630 RATHSAM, E. W. A auto-intoxicação nos cães. Caça e Pesca 3(17): 37. Oct. 1942. 410 C11  
Due to overfeeding and lack of exercise.

19631 \*TSCHERMAK-SEYSENEGG, ARMIN VON. Der hund als erfindungsobjekt des augenspiegels vor vier menschenaltern durch Joh. Ev. Purkinje in Prag-Breslau, 1825. Berlin u. München. Tierärztl. Wchnschr., No. 25/26, p. 201-205. June 25, 1943. 41.8 B45

19632 WEISZ, LEO. The treatment of retention cysts in dogs [by operation]. Middlesex Vet. 3(1): 6-7. Fall 1943. 41.8 M583

##### Miscellaneous

19633 CARVALHO, ALBERTO DE. O amestramento dos cães. Caça e Pesca 3(25): 40-42, 46-47. June 1943. 410 C11

Training of hunting dogs.



19634 CLARKSON, F. H. The future of field trials for bird dogs. Amer. Field 141: 300. Mar. 25, 1944. 410 Am3

19635 DANBY, D. C. E. A war dogs' training school. (To be cont.) Roy. Army Vet. Corps. Jour. 15: 42-44. Feb. 1944. 41.8 G79

19636 ENGELS, Y. O que me disse meu cão. Fauna [São Paulo] 1(7): 30. July 1942. 410 F272

19637 FARIA, RAUL DE. Ensino dos cães de caça. VI-VIII. Fauna [São Paulo] 1(6): 8; (7): 2; (8): 11. June-Aug. 1942. 410 F272

19638 WALKER, H. J. Pigeon dogs. Amer. Field 141: 301. Mar. 25, 1944. 410 Am3  
Using pigeons to train dogs.

#### HORSES AND MULES

##### Breeds and Breeding

19639 \*ASCHENBACH. Körung der junghegste in Sachsen-Anhalt. Deut. Landw. Tierzucht 47: 214. Nov. 6, 1943. 49 D48

19640 BRANT, H. J. Good purebred Belgian horse, drafters increase. Breeder's Gaz. 109(4): 16. Apr. 1944. 49 B74

19641 \*CLASHEN, E. G. Pferdezucht-lehrgang im landgestüt Fürstenstein. Landesbauernschaft Niederschles. Wohnbl. 10: 563-564. Oct. 23, 1943. 18 S13

19642 \*COELHO, F. F., and RIBEIRO, J. M. Nota sobre seleção funcional dos reprodutores equinos. Portugal. Min. da Econ. Dir. Geral dos Serv. Pecuários Bol. Pecuário (Bul. Vet.) 11(1): 107-153. 1943. 41.8 P83

French summary.

Testing fatigue resistance in horses by observation and by blood analysis.

19643 DIMOCK, W. W. Artificial insemination and its problems. This method of reproduction not yet as successful with horses as with cattle and sheep. Thoroughbred Rec. 139: 293. Mar. 18, 1944. 42.8 T39

19644 ECKFORD, A. H. Queenstown, a ranch horse. Field 153: 227. Feb. 26, 1944. 10 F45

19645 \*KERN. Staats- und stammbuchprämienvergebung durch das Rheinische Pferdestammbuch e.V. Deut. Landw. Tierzucht 47: 218. Nov. 6, 1943. 49 D48

19646 \*KUMMER. Winks für pferdezüchter zur erfolgreichen stutenbedeckung. Landesbauernschaft Niederschles. Wohnbl. 10: 299-300. May 22, 1943. 18 S13

19647 MARRERO, ALMANZOR. Cromohipologia del overo y del tobiano. Soc. Rural Argentina. An. 77: 867-868. Nov. 1943. 9 Sol

Discusses the evolution of horses through adaptation, and heredity as shown by their coat color.

19648 \*MISHAREV, A. O porodnom napravlenii konevodstva v Kazakhstane. Concerning the breeding of horses in Kazakhstan. Sovkhoznoe Proizvodstvo 3(12): 31-33. Dec. 1943. 20 So85

19649 PARK, ROBERT. Some Clydesdale reminiscences; notable sires of former times in Great Britain. Scot. Farmer (Spec. Album No.) 52: 106-107. Jan. 1, 1944. 10 Sco8

19650 STEELE, D. G. A genetic analysis of recent American Saddle Horses. Amer. Horseman 12 (3): 22-23. Mar. 1944. 42.8 Am35

##### Feeds and Feeding

19651 BRUNO VIDELA, P. H. La alimentación en los caballos de trabajo. Campo [Buenos Aires] 28 (326): 47, 68. Dec. 1943. 9 C15

19652 GENTLES, MAURITA. Watch those feed needs of the mare. West. Livestock Jour. 22(24): 118, 127. Mar. 15, 1944. 6 F2278

19653 PEARSON, P. B., SHEYBANI, M. K., and SCHMIDT, H. Riboflavin in the nutrition of the horse. Arch. Biochem. 3: 467-474. Feb. 1944. 381 Ar2

19654 POWELL, E. B. Proper feeding of brood mares to insure healthy colts. Natl. Horseman 80(3): 10. Mar. 1944. 42.8 M21

##### Veterinary Medicine

19655 \*BORISOVICH, F. Koliki u loshadei [Colic in horses]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsovety Kolkhoz., No. 105, 8 p. folder. Moskva, 1943. 20 Ag88

19656 CAMPERCHIOLI, E. E. Encefalomiелitis o meningitis cerebro espinal de los equinos. (Locuras de los caballos.) Fed. Argentina de Coop. Tamberas Lda. Rev. 2(21): 12. Apr. 1943. 280.28 F31

19657 CASOS, G. A. Estomatitis vesiculosa y estomatitis pustulosa de los equinos (falsas aftosas). Fed. Argentina de Coop. Tamberas Lda. Rev. 3(25): 17-18. Aug. 1943. 280.28 F31

19658 CIUDAD JUÁREZ, MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Determinación de la edad del caballo por el examen de sus dientes. Ciudad Juárez. Mex. Esc. Particular de Agr. Bol. 57, Ser. 2, 8 p. n. d. 102 C492

19659 DEVALOIS, D. G. Costal fistula. Vet. Student 6: 138. Winter 1944. 41.8 V6425  
Result of a kick.

19660 \*GERMAN, V. Peralivanie krovi u loshadei [Blood transfusion in horses]. Sovkhoznoe Proizvodstvo 3(12): 44-45. Dec. 1943. 20 So85

19661 \*GOLUBEV, N. D., and MONAKHOV, V. F. Opyty primeneniia dviashchego massazha zhivota pri kolikakh u loshadei [Experiments in treating colic by massage of the horse's abdomen]. Veterinariia 19(8/9): 26-27. Aug./Sept. 1942. 41.8 V6426

19662 \*JOHANNSEN, A. Förgiftning hos häst i anslutning till lavemang med Ettiksyralösning (Poisoning of horse in connection with lavage with a solution of acetic acid). Skand. Vet. Tidskr. 55: 659-677. Nov. 1943. 41.3 Sk1

German and English summaries.

19663 \*KOSTIN, ---, MARKOV, ---, and SIDOROV. Vliianie kombikorma na motoriku i khimizm pishchevareniia loshadei [The influence of a balanced ration on peristalsis and chemical digestion in the horse]. Veterinariia 19(8/9): 38. Aug./Sept. 1942. 41.8 V6426

19664 MCCLURKIN, ARLAN. Puncture wound in the thigh of a horse. Vet. Med. 38: 492-493. Dec. 1943. 41.8 M69

19665 MERRILLAT, L. A. Azoturia: suggestive pathology. Amer. Vet. Med. Assoc. Jour. 104: 223-224. Apr. 1944. 41.8 Am3

19666 MERRILLAT, L. A. Thrombosis of the iliac arteries in horses. Amer. Vet. Med. Assoc. Jour. 104: 218-220. Apr. 1944. 41.8 Am3

19667 MORGAN, REMBRANDT. Lymphangitis (?) in a mare. Vet. Med. 38: 488. Dec. 1943. 41.8 M69

19668 PAZ BENDAYAN, JAIME. Fractura de la primera falange de un caballo. Rev. de Med. Vet. [Buenos Aires] 25: 488-494. Sept./Oct. 1943. 41.8 B86

19669 \*PETERSEN, W. W. Influenza hos hesten. Ugeskr. for Landmaend 88: 725-726. Oct. 15, 1943. 11 Ug3

19670 \*POPOV, S. N. Operativnoe lechenie gnoynykh protsessov kholki loshadei [Surgical treatment of fistulous withers in the horse]. Veterinariia 19 (8/9): 19-20. Aug./Sept. 1942. 41.8 V6426

19671 REINHART, V. M. A case of multiple foreign bodies extracted from wound in a horse. Vet. Student 6: 140. Winter 1944. 41.8 V6425



- 19672 RIVAS LARRALDE, GUSTAVO. Encefalomieltis equina. Agr. Venezolano 8(89/90): 4-9. Sept./Oct. 1943. 9.95 Ag8
- 19673 \*RODIONOV, I. M. K izucheniyu infektsionnogo katarra verkhnikh dykhatel'nykh puti loshadi [A study of contagious catarrh of the upper respiratory tract in horses]. Veterinariia 19(8/9): 35-36. Aug./Sept. 1942. 41.8 V6426  
Probably influenza.
- 19674 SAGUES, R. L. Las llagas de verano. Campo y Arados 7(82): 8, 30. Dec. 1943. 9.9 C152  
Habronemiasis transmitted by flies.
- 19675 \*TVERETSKIY, A. V. K differentsial'noy diagnostike pervichnogo i vtorichnogo rasshireniya zheludka u loshadei [On the differential diagnosis of primary and secondary bloat of the stomach in horses]. Veterinariia 19(8/9): 28. Aug./Sept. 1942. 41.8 V6426
- 19676 VACURA, G. W. Cutaneous hemorrhage in a mule. Vet. Med. 38: 487. Dec. 1943. 41.8 M69
- 19677 WESTERFELDT, M. H. Severed tendons in equine. Vet. Student 6: 142, 158-159. Winter 1944. 41.8 V6425
- Miscellaneous
- 19678 \*ANDRADE, RUY D'. Breve notícia da equitação de alta-escola. Portugal. Min. da Econ. Dir. Geral dos Serv. Pecuários. Bol. Pecuário (Bul. Vet.) 11(1): 5-106. 1943. Ref., p. 65-82. 41.8 P83  
French summary.  
History of "high schools" for training cavalry horses in various European countries.
- 19679 CHIEFFI, ARMANDO. O Brasil precisa de bons equídeos. Rev. dos Criadores 14(16): 50-53. Dec. 1943. 43.8 R32  
Mainly a history of the horse, with a short statement of the number of asses, horses, and mules in Brazil, as compared to other countries.
- 19680 FORTIN, G. E. Parlons de chevaux. Terre de Chez Nous 16(20): 10, 20. Feb. 16, 1944. 7 T27
- 19681 FRAUSTRO, RUBEN. Inutilización de los caballos por un esfuerzo excesivo. Union Agr. del Sur 1(8): 51-52. Nov. 1943. 9.3 Un3
- 19682 GRAKE, ROBERT. Mule pack trains in Italy. Cavalry Jour. 53(2): 74-75. Mar./Apr. 1944. 42.9 Un3
- 19683 MELLES, L. H., and BOLL, L. F. The White Horse Patrol. Vet. Student 6: 134-135. Winter 1944. 41.8 V6425  
Organized as a hobby by business men of Sioux City, Iowa.
- 19684 SAN MARTIN, ARMANDO. El pelo y los pelajes en los caballos. Campo [Buenos Aires, 28 (326): 40-41, 67. Dec. 1943. 9 C15  
Coloration, texture, and distinctive variations, with explanation of terms.
- 19685 SANDERSON, C. J. How to prevent sore shoulders in horses. Land [Sydney], No. 1674, p. 8. Jan. 7, 1944. 23 L22
- 19686 SUTHERLAND, ALEX. Clydesdale horses in 1943. Scot. Farmer (Spec. Album No.) 52: 49-54. Jan. 1, 1944. 10 Sco8  
Discusses mainly sales in Scotland.
- POULTRY
- Breeds and Breeding
- 19687 AUERSWALD, W. F. Breeding Barred Plymouth Rocks. Poultry Press 30(10): 3. Mar. 23, 1944. 47.8 P8643
- 19688 \*BARTSCH, OTTO. Die systematik der haushuhnrasen. Arch. f. Kleintierzucht 3: 141-148. May/June 1942. 49 Ar2
- 19689 BELAIRE, P. A. Dominant, recessive traits in Bantams. All-Pets Mag. 15(10): 59, 60. Mar. 1944. 48.8 A15
- 19690 BENSON, E. F. Comments on Light Brahma Bantams. Cackle and Crow 26(5): 3. Mar. 15, 1944. 47.8 C11
- 19691 COLE, L. J., and OWEN, R. D. Naked pigeons. Jour. Hered. 35: 3-7. Jan. 1944. 442.8 Am3  
Lack of feathers due to a recessive gene.
- 19692 DEROOY, J. J. Preface of the knowledge of the Homing pigeon; study and investigation of the bird itself and its line. Amer. Racing Pigeon News 60(2): 1-2. Feb. 1944. 47.8 H75
- 19693 DIETRICH, I. W. The racing Homer. Pigeon News 50(877): 12. Apr. 1944. 47.8 P621
- 19694 DURAND, GASTON. Cría de patos. Rev. de Agr. y Com. [Panama] 3(28): 61-64. Dec. 1943. 8 R3291
- 19695 FISHER, W. Minorca Bantams are in demand. Poultry [London], 94: 106. Feb. 15, 1944. 47.8 P869
- 19696 GODFREY, A. B. A hatchery program for developing fast-feathering strains. Hatchery Tribune 18(4): 50-51. Apr. 1944. 47.8 H28  
A genetic recessive sex-linked factor.
- 19697 GRAHAM, L. P. Vanishing varieties of poultry. 11. The Dorking. (Cont.) Cackle and Crow 26(5): 6. Mar. 15, 1944. 47.8 C11
- 19698 HEALE, WALTER. Should we breed from birds under five years old? Poultry Farmer [London], 110 (2855): 3. Mar. 10, 1944. 47.8 P312
- 19699 HUTT, F. B., MUELLER, C. D., and WARREN, D. C. Inheritance of ragged wing in the fowl. Jour. Hered. 35: 27-32. Jan. 1944. 442.8 Am3
- 19700 MCCLASKEY, G. D. Improved farm poultry... a breeding and selecting program which recognizes a "balance" of all factors. U. S. Egg & Poultry Mag. 50: 174-176. Apr. 1944. 286.85 Eg3
- 19701 MCKEEBE, M. C. Breeding mammoth Toulouse geese. All-Pets Mag. 15(10): 61, 62. Mar. 1944. 48.8 A15
- 19702 MCNEILL, F. L. Genetic breeding; will R. O. P. eventually mean something more than record of performance? Canad. Poultryman 31(3): 9. Mar. 1944. 47.8 C166
- 19703 MARBLE, D. R., HARPER, J. A., and HAMMERS, E. V. Inheritance in the domestic fowl of a lethal condition affecting both mandibles. Poultry Sci. 23: 114-117. Mar. 1944. 47.8 Am33P
- 19704 MORAIS, J. DE M. Marrecos da America do Norte e marrecos do Brasil. Chacaras e Quintais 68: 555-559. Nov. 15, 1943. 9.2 C34
- 19705 NEWMAN, TOM. The rise of the Sussex fowl in the poultry world. Mod. Poultry Keeping 50: 190-191. Mar. 15, 1944. 47.8 Eg3
- 19706 OTT, W. H. Investigations on the pantothenic acid requirement for reproduction in the White Leghorn fowl. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 70-74, processed. 1943. 241.8 P38
- 19707 PEDERICK, W. O. The Werribee [State Research Farm, Victoria] poultry studs, some of the breeding methods used. Victoria. Dept. Agr. Jour. 42: 59-63. Feb. 1944. 23 V66J
- 19708 REARDON, H. A. The changing poultry picture. Pt. IV. [White Leghorn]. Northeast. Poultryman 38(3): 32-33. Mar. 15, 1944. 47.8 N44  
The industry during the past forty-five years.
- 19709 SAMPAIO, O. V. Frangos para vender e galinhas para admirar. Chacaras e Quintais 68: 584-588. Nov. 15, 1943. 9.2 C34  
In Brazil.
- 19710 SCHULZ, W. F. Orientals. (To be cont.) All-Pets Mag. 15(9): 52, 55; (10): 67-68. Feb., Mar. 1944. 48.8 A15



19711 SEQUEIRA, OSWALDO DE. O objetivo da criação do pombo-correio. Fauna [São Paulo, 1(9): 4-5; (10): 11-12; (11): 10-11. Sept.-Nov. 1942.

410 F272

19712 SEQUEIRA, OSWALDO DE. A orientação dos pombos. (Concl.) Fauna [São Paulo, 1(6): 3-4; (7): 4-5; (8): 42-44. June-Aug. 1942. 410 F272

19713 SNELGROVE, ARTHUR. Black Orpington enthusiasts. Poultry [London, 94: 116. Feb. 22, 1944. 47.8 P869

19714 TURNILL, LEONARD. More about pedigree breeding. Poultry Farmer [London, 110(2853): 3; (2854): 3. Feb. 25, Mar. 3, 1944. 47.8 F312

Practical principles; You don't save with big food storage.

19715 WILLIAMS, C. S. Selecting breeding cockerels. Md. Poultry Yearbook 1944: 26. 47.9 M36

19716 WILSON, R. S. The flying Tippler. All-Pets Mag. 15(10): 64. Mar. 1944. 48.8 A15

#### Feeds and Feeding

19717 ALEXANDER, A. K. S. Stimulating grazing of poultry, without grass. Farmer & Stock-Breeder 58: 353. Feb. 29, 1944. 10 F228

Feed mash so as to stimulate desire for grass.

19718 ALMQUIST, H. J. Composition of fresh greens for poultry. Eggsaminer 20(7): 7. Mar. 1944. 286.85 E32

19719 BAKER, W. S. Practical wartime poultry rations. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 156-159. 44.9 V593

19720 BANKS, E. Real champions have splendid digestions. Amer. Racing Pigeon News 60(3): 1-2. Mar. 1944. 47.8 H75

Advice in feeding pigeons.

19721 BARCO, C. F. Parques avícola. Campo [Buenos Aires, 28(325): 26-27. Nov. 1943. 9 C15

19722 BETHKE, R. M. Adjustments in our feed program. N. H. Breeder 7(1): 9, 36-37. Mar./May 1944. 47.8 M45

19723 BIRTWISTLE, VICTOR. A good silage mixture for poultry; grass cuttings and potatoes. Mod. Poultry Keeping 50: 154-155. Mar. 1, 1944.

47.8 E3

19724 \*BOELUM, J. Forsøg med kunstigt fremstillet D-vitamin. Ugeskr. for Landmænd 88: 751-754. Oct. 29, 1943. 11 Ug3

Synthetic vitamin D as substitute for fish liver oil in poultry feeding.

19725 BRIGGS, G. M., and others. Effect of ascorbic acid on chick growth when added to purified rations. Soc. Expt. Biol. and Med. Proc. 55: 130-134. Feb. 1944. 442.9 Sol

T. D. Luckey, C. A. Elvehjem, and E. B. Hart, joint authors.

19726 BROOMHEAD, W. W. Grit and shell-formers. Poultry [London, 94: 120. Feb. 22, 1944. 47.8 P869

Feeding minerals.

19727 BROOMHEAD, W. W. How to deal with crop trouble. Poultry [London, 94: 104. Feb. 15, 1944. 47.8 P869

Discussed as a feeding problem.

19728 BURROUGHS, E. W. Substitutions of protein in poultry rations. Grain & Feed Jours. Consolidated 92: 205. Mar. 8, 1944. 298.8 G762

19729 BUTTNER, E. E. Pigeons with toes curled inwards due to riboflavin deficiency. So. African Poultry, Pigeon and Bird Mag. 50(384): 17. Jan. 1944. 47.8 S083

19730 CLARK, T. B., RUNNELS, T. D., and VAN LANDINGHAM, A. H. Alfalfa meals in poultry. Flour & Feed 44(10): 24. Mar. 1944. 298.8 F66

19731 COMMON, R. H. Observations on the mineral metabolism of pullets. VII. The calcium requirement of the laying bird. Jour. Agr. Sci. [England, 33: 213-220. Oct. 1943. 10 J822

19732 DAM, HENRIK. Studies on vitamin E deficiency in chicks. Jour. Nutr. 27: 193-211. Feb. 10, 1944. 389 J82

19733 FIRE, DEPT. OF AGRICULTURE. Home produced foods for poultry feeding. Fire. Dept. Agr. Spec. Bul. No. 5. 6 p. Dublin, 1941. 10.5 Ir428

19734 EVANS, R. J., and others. The stability of vitamin D in fortified fish oils [tested by Assoc. Official Agricultural Chemists chick assay method]. Poultry Sci. 23: 91-93. Mar. 1944. 47.8 Am33P

Morris Rhian, J. S. Carver, W. S. Hamm, and R. W. Harrison, joint authors.

19735 \*FANGAUF, R. Geflügelzucht und -fütterung. Forschungsdienst, Sonderheft 16, p. 598-604. Berlin, 1942. Ref., p. 603-604. 18 F772

Feeding of poultry.

19736 FREDERICK, H. E. Feed situation and the poultryman. Flour & Feed 44(10): 16. Mar. 1944. 298.8 F66

Suggestions for feeding and feed conservation.

19737 GRAU, T. V. Use more greens in '44; save feed and raise more and better turkeys. Turkey World 19(3): 12, 40-43. Mar. 1944. 47.38 T84

19738 HADDOCK, J. L. Reduce feed costs by poultry range improvement and growing supplementary grains. N. H. Breeder 7(1): 16, 19. Mar./May 1944. 47.8 N45

19739 HALLMAN, E. T. The scientific principles of poultry feeding. Gt. Brit. Min. Agr. and Fisheries. Bul. 7, 60 p. London, 1944. 10 G794B

19740 HAMMOND, J. C., and others. Vegetable protein diets for turkeys. Poultry Sci. 23: 105-109. Mar. 1944. 47.8 Am33P

S. K. Haynes, S. J. Marsden, and H. W. Titus, joint authors.

19741 \*HANSE, W. Grünfütter für Küken! Landesbauernschaft Württemb. Wchnbl. 110: 271. Apr. 24, 1943. 18 W96

19742 HARTMAN, R. C. El pastoreo en la alimentación de las aves. Res 12: 15502. Jan. 20, 1944. 286.85 E31

19743 HARVEY, J. R. Balancing the ration. Poultry [London, 94: 104. Feb. 15, 1944. 47.8 P869

19744 HENDERSON, D. C., COOK, T. D., and PALMER, C. H. Turkey and poultry feed problems; round table discussion. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 164-165. 44.9 V593

19745 HIRSCH, ART. All eyes focused on short poultry, feed supply; programs to ease situation include stepped up imports, emergency rations, conservation. Poultry Supply Dealer 20(12): 8, 34-35. Dec. 1943. 47.8 B11

19746 HOFFMANN, EDMUND, and TOMHAVE, A. E. One year's feeding of a low animal protein laying mash. Feedstuffs 16(13): 31-32. Mar. 25, 1944. 286.81 F322

19747 JAMES, LOCKE. If you produce poultry meat do it economically. Northeast. Poultryman 38(3): 24. Mar. 15, 1944. 47.8 N44

Stresses feeding.

19748 JAMES, LOCKE. Potatoes in poultry feeding. Northeast. Poultryman 38(3): 22. Mar. 15, 1944. 47.8 N44



- 19749 KENNARD, D. C. Calcium for egg shells. Ohio Agr. Expt. Sta. Bimo. Bul. 29(226): 27-32. Jan./Feb. 1944. 100 Oh38  
Experiments showing the dangers of using limestone as a source of calcium in poultry feeds. Condensed in Feedstuffs 16(14): 32, 34-35. Apr. 1, 1944. 286.8 F322
- 19750 KIMBER, J. E. California Poultry Council has helped feed situation. Nulaid News 21(11): 28-29. Feb. 1944. 47.8 N917
- 19751 KLEIN, G. T. Pasture provides most saving when feed is restricted. Poultry Tribune 50(4): 71-72. Apr. 1944. 47.8 P8642  
Compares different methods of feeding.
- 19752 LESPERANCE, ROLAND. Les pâturages en aviculture...essentiel dans l'élevage économique et hygiénique des poussins. Bul. des Agr. 40(3): 22, 26. Mar. 1944. 7 B872
- 19753 LESSARD, H. L. Oats in poultry feeding. Canad. Poultryman 31(3): 20. Mar. 1944. 47.8 G166
- 19754 JAMES, LOCKE. Chicks must eat to grow. Poultry Tribune 50(4): 41. Apr. 1944. 47.8 P8642  
Also in Northeast. Poultryman 38(3): 21. Mar. 15, 1944. 47.8 N44
- 19755 MACDONALD, A. J., and BOSE, S. Studies on the digestibility coefficients and biological values of the proteins in poultry feeds. Poultry Sci. 23: 135-141. Mar. 1944. 47.8 Am33P
- 19756 MCGINNIS, JAMES, NORRIS, L. C., and HEUSER, G. F. Poor utilization of phosphorus in cereals and legumes by chicks for bone development. Poultry Sci. 23: 157-159. Mar. 1944. 47.8 Am33P
- 19757 MANN, T. B., and THOMPSON, A. Chick faults show up in second month. Poultry Farmer [London] 110(2854): 3. Mar. 3, 1944. 47.8 F312  
Stresses chick feeding.
- 19758 \*MARTEL, KARL. Der Futterwert von trockentrebern. Arch. f. Kleintierzucht 3: 122-128. May/June 1942. 49 Ar2
- 19759 MOORE, A. C. Incubator waste has no food value. Poultry [London] 94: 84. Feb. 8, 1944. 47.8 P869
- 19760 NEUERBURG, GEORGE. Factors of availability, cost in feeding pigeons. All-Pets Mag. 15(10): 65, 66. Mar. 1944. 48.8 A15
- 19761 NEW HAMPSHIRE in research are discovering fundamental facts about feed. N. H. Breeder 7(1): 6-7, 27. Mar./May 1944. 47.8 N45
- 19762 NEWMAN, TOM. Poultry experience with breeding and mineral feeding. Mod. Poultry Keeping 50: 172. Mar. 8, 1944. 47.8 Eg3
- 19763 PARKHURST, R. J. Vitamins in the poultry ration. Grain & Feed Jours. Consolidated 92: 244. Mar. 22, 1944. 298.8 G762
- 19764 PARKHURST, R. T., GUTOWSKA, M. S., and FELLERS, C. R. Crab meal in poultry rations. III. Laying and breeding rations. Poultry Sci. 23: 118-125. Mar. 1944. 47.8 Am33P
- 19765 PARKHURST, R. T. Feed efficiency a necessity in wartime poultry feeding. Feedstuffs 16(14): 42-45. Apr. 1, 1944. 286.81 F322
- 19766 PARKHURST, R. T. Getting vitamin A for poultry. Grain & Feed Jours. Consolidated 92: 205. Mar. 8, 1944. 298.8 G762
- 19767 PARKHURST, R. T. Newer knowledge of poultry nutrition. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 160-163. 44.9 V593
- 19768 PATRICK, H., and MORGAN, C. L. The comparative biological value of crystalline riboflavin, alfalfa leaf meal, and lespedeza meals as sources of riboflavin for chicks. Poultry Sci. 23: 142-145. Mar. 1944. 47.8 Am33P
- 19769 PATRICK, H., DARROW, M. I., and MORGAN, C. L. The role of riboflavin in turkey poult nutrition. Poultry Sci. 23: 146-148. Mar. 1944. 47.8 Am33P
- 19770 PATRICK, HOMER. Vitamin investigations in turkey poult and chick nutrition. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 36-42, processed. 1943. 241.8 P38
- 19771 PETERSON, L. L. The starting of chicks on grain and its effect in preventing "pasting up" at various controlled temperatures. Poultry Sci. 23: 101-104. Mar. 1944. 47.8 Am33P
- 19772 PLATT, C. S. The diet of Homing pigeons. Rural New-Yorker 103: 176. Mar. 18, 1944. 6 R88
- 19773 PLATT, C. S. Emergency substitutions for laying mash in the diet of White Leghorn pullets and its effect on egg production. Poultry Sci. 23: 126-129. Mar. 1944. 47.8 Am33P
- 19774 PLATT, C. S. Sprouted soy beans as an emergency feed. N. J. Farm and Garden 15(3): 45. Mar. 1944. 6 G162
- 19775 PROULX, J. R. Les protéines et l'aviculture. Terre de Chez Nous 16(23): 10. Mar. 8, 1944. 7 T27
- 19776 REIS, JOSÉ. Avicultura — alimentação e criação. Rev. Rural Bras. 23(280): 38-39. Dec. 1943. 9.2 B733
- 19777 ROBINSON, LEONARD. Feeding plans for battery layers...outlines suitable methods. Mod. Poultry Keeping 50: 190-191. Mar. 15, 1944. 47.8 Eg3
- 19778 ROSCOE, CHARLES. Don't give ducklings sloppy food. Poultry [London] 94: 120. Feb. 22, 1944. 47.8 P869
- 19779 RUMBALL, P. Care of the laying hen. Queensland Agr. Jour. 58: 48-50. Jan. 1944. 23 Q33  
Discusses principles of feeding.
- 19780 SILVEIRA, E. DE F. O óleo de fígado de cação em face das avitaminoses "A" "E" "D." Rev. Rural Bras. 23(279): 26-27. Nov. 1943. 9.2 B733  
Shark liver oil for poultry deficiency diseases.
- 19781 SINGSSEN, E. P., and MITCHELL, H. H. Soybean meal chick rations need no inorganic phosphorus supplements. Poultry Sci. 23: 152-153. Mar. 1944. 47.8 Am33P
- 19782 SMITH, R. M. How little protein can you feed your hens? Farm and Ranch 63(3): 19. Mar. 1944. 6 F31
- 19783 SMITHSON, M. B. Rearing eight week old pullets; go easy with the balancer. (Concl.) Poultry Farmer [London] 110(2853): 9. Feb. 25, 1944. 47.8 F312
- 19784 TAYLOR, M. W., JEFFREY, F. P., and RUSSELL, W. C. Fat requirements of the hen. Poultry Sci. 23: 155-157. Mar. 1944. 47.8 Am33P
- 19785 TAYLOR, M. W. Poultry Association of Great Britain, feed tests: the first four months: outlines the progress of the current experiments on the P. A. G. B. farm. Mod. Poultry Keeping 50: 136, 137. Feb. 23, 1944. 47.8 Eg3
- 19786 TEMPERTON, H., and DUDLEY, F. J. The feeding of raw and cooked potatoes and sugar beet to laying pullets. Jour. Agr. Sci. [England] 33: 204-206. Oct. 1943. 10 J822
- 19787 TEMPERTON, H., and DUDLEY, F. J. Feeding processed food waste (swill) to growing chickens. Harper Adams Util. Poultry Jour. 29: 1-6. Jan. 1944. 47.8 P8612
- 19788 WILLET, E. L., and VILELLA, E. S. Alimentos de emergencia para gallinas ponedoras. Puerto Rico. Agr. Expt. Sta. (Rio Piedras) Agr. Expt. 3(3): 7-9. May/June 1943. 100 P83As



19789 WILLGEROTH, G. B., HALPIN, J. L., and FRITZ, J. C. Grains and grain by-products in chick starting rations. *Feedstuffs* 16(12): 32, 34-35. Mar. 18, 1944. 286.81 F322  
Experiment with ground yellow corn, ground oats, and ground wheat.

#### Veterinary Medicine

19790 \*ARVY LUCIE. Le conditionnement hormonal de la morphologie sanguine du coq domestique. *Rev. Sci. [Paris]* 81: 12-25. Jan. 1943. 475 R32

19791 ASPLIN, F. D. Treatment of a virus disease of chickens with sulphonamides. *Nature [London]* 153: 253. Feb. 26, 1944. 472 N21

19792 BOLOÑA R., JULIO. El cólera de las aves y la manera de combatirlo. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 28-29. Oct./Dec. 1943. 9.5 M31

19793 BOSE, S. An iodimetric estimation of uric acid in poultry excreta. *Poultry Sci.* 23: 130-134. Mar. 1944. 47.8 Am33P

19794 BUENO, R. DE C. As molestias das aves: meios de propagação. *Rev. dos Criadores* 15: 62-64. Jan. 1944. 45.8 R32

19795 BUENO, R. DE C. O raquitismo entre as aves. *Rev. dos Criadores* 14(16): 74-76, 73. Dec. 1943. 43.8 R32

19796 BULLIS, K. L. The avian leukosis complex. *Northeast. Poultryman* 38(3): 5-6, 26-27. Mar. 15, 1944. 47.8 N44

19797 CIUDAD JUÁREZ MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Algunas enfermedades y parásitos de las aves. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 61, Ser. 2, 8 p. n. d. 102 C492

Pullorum, coccidiosis, coryza, and fowl pox.

19798 CUTKOMP, L. K. Toxicity of rotenone and derris extracts administered orally to birds. *Cornell Univ. Abs. of Theses*, 1942: 268-271. 1943. 241.8 Cui

Chickens, pigeons, and wild birds.

19799 GERKIN, BERTHA. Experience with sinusitis in turkey flock is told. *West. Farm Life* 46(5): 20. Mar. 1, 1944. 6 R153

19800 \*GRAU, HUGO. Artmerkmale am darakanal un-serer hausvögel. Berlin. u. München. Tierärztl. Wchnschr., No. 25/24, p. 176-179. June 11, 1943. 41.8 B45

19801 HINSHAW, W. R., MCNEIL, E., and TAYLOR, T. J. Epidemiology of a maltose fermenting variant of *Salmonella pullorum*. *Poultry Sci.* 23: 94-100. Mar. 1944. 47.8 Am33P

19802 JUNGHER, ERWIN. Controlling blue comb. *New England Homestead* 117(5): 28-29. Mar. 11, 1944. 6 N442

19803 \*LECOQ, R., CHAUGHARD, P., and MAZOUÉ, H. Les troubles de l'excitabilité neuromusculaire au cours des déséquilibre alimentaires et des avitaminoses. I.- Déséquilibre glucidique aigu et avitaminose B chez le pigeon. *Soc. de Chim. Biol. Bul.* 25: 73-79. Jan./Mar. 1943. 383 Sol

19804 MACKAY, A. A. Facts about avian T. B. (Concl.) *Poultry [London]* 94: 106, 132, 138. Feb. 15, 29, 1944. 47.8 P869

19805 MOXON, A. L., and WILSON, W. O. Selenium-arsenic antagonism in poultry. *Poultry Sci.* 23: 149-151. Mar. 1944. 47.8 Am33P

19806 NOBREGA, P. A cólera aviária. *Biológico* 9: 356-359. Oct. 1943. 442.8 B529

19807 RAIMO, H. F. Alguns aspectos de fecundação do ovo das galinhas. *Rev. dos Criadores* 14(16): 77-79. Dec. 1943. 43.8 R32

Reproductive organs of the male, and physiology of fertilization of the egg.

19808 RAIMO, H. F. Estudos sobre a fisiologia da reprodução em aves. III - Vitalidade biológica do espermatozoide do galo, no oviduto das galinhas. *Bol. de Indus. Anim. (n. s.)* 6(3): 16-26. July 1943. 49 R324

#### English summary.

19809 RAIMO, H. F. Notas sobre a formação do embrião da galinha. *Rev. dos Criadores* 15: 65-67. Jan. 1944. 43.8 R32

19810 RESTREPO ALVAREZ, BRAULIO. Parásitos de las aves de corral. *Rev. de Agr. y Com. [Panama]* 3 (28): 13-14. Dec. 1943. 8 R3291

19811 SCRIVNER, L. H. Diseases incidental to brooding of chicks and poults. *Iowa Vet.* 15(2): 5, 14, 16-17, 25. Mar./Apr. 1944. 41.8 I09

19812 SEELE, A. O., OTT, W. H., and GUNDEL, M. E. Effect of biotin deficiency on the course of *Plasmodium lophurae* infection in chicks. *Soc. Expt. Biol. and Med. Proc.* 55: 107-109. Feb. 1944. 442.9 Sol

19813 SHEW, W. D. The caponizing of cockerels. *Victoria. Dept. Agr. Jour.* 42: 55-56. Feb. 1944. 23 V66J

19814 SMITH, H. W., and FIELD, H. I. The isolation of *Pasteurella aviseptica* from a turkey. *Vet. Jour.* 100: 35-38. Feb. 1944. 41.8 V643

#### Miscellaneous

19815 AIRD, M. W. Turkey production. So. Austral. Dept. Agr. Jour. 47: 277-280. Jan. 1944. 23 So84

Breeding, hatching, care and management, and marketing.

19816 ANDERSON, C. F. The management of growing pullets. So. Austral. Dept. Agr. Jour. 47: 266-267. Jan. 1944. 23 So84

19817 ASMUNDSON, V. S. Turkey management problems. *Md. Poultry Yearbook* 1944: 63. 47.9 M36

19818 BABBITT, D. M. Chick mortality higher. *W. J. Farm and Garden* 15(3): 41. Mar. 1944. 6 G162

Problems of care and management.

19819 BAKER, G. A. Weight-growth curves. *Poultry Sci.* 23: 83-90. Mar. 1944. 47.8 Am33P

19820 BEARSE, G. E. Brooding heavy breed chicks. *Washcoegg* 21(11): 19-20. Mar. 1944. 47.8 W27

19821 BENOIT, C. E. Elevez des poussins sains et vigoureux. *Terre de Chez Nous* 16(23): 7, 28. Mar. 8, 1944. 7 T27

19822 BENOIT, C. E. Préparons la saison d'incubation. *Terre de Chez Nous* 16(14): 17. Jan. 5, 1944. 7 T27

19823 BOBBY, F. C. Poultry-keeping as a source of income. (To be cont.) *New Zeal. Jour. Agr.* 68(1): 62-64. Jan. 15, 1944. 23 N48J

19824 BROOKE, DENISON. Cull them early; get rid of doubtful birds now and save food for the ones that deserve it. *Farmers Weekly [London]* 20(10): 36. Mar. 10, 1944. 10 F2226

19825 BROTO, ARTURO DE. Por qué fracasé como avicultor. *Ceres [Spain]* 5(44): 35-36. Feb. 1, 1940. 15 C33

19826 BROWN, MARY. Young ducklings, care and management. *Poultry Farmer [London]* 110(2853): 8. Feb. 25, 1944. 47.8 F312

19827 BUTTNER, E. E. How the weather affects eggs during incubation. So. African Poultry, Pigeon and Bird Mag. 50(384): 14. Jan. 1944. 47.8 S083

19828 CALLENBACH, E. W. More light, more eggs. *Northeast. Poultryman* 38(3): 21. Mar. 15, 1944. 47.8 N44



- 19829 CAVERS, J. R. Chilling or over-heating lead to losses in chicks; proper facilities needed. *Weekly Market News & Mod. Farmer* 22(10): 7. Mar. 8, 1944. 286.81 G762A
- 19830 CHARLES, T. B. Spring brooding. *Rural New-Yorker* 103: 175. Mar. 18, 1944. 6 R88
- 19831 CLINTON, H. F. Production of poultry for the table. *Victoria. Dept. Agr. Jour.* 42: 51-54, 58. Feb. 1944. 23 V66J
- Suggestions for raising chickens, turkeys, and ducks.
- 19832 COLLINGE, A. V. The right start is half raised! Experience with turkeys, has set the rules—follow them and your success is assured. *Turkey World* 19(3): 10, 49-52. Mar. 1944. 47.38 T84
- 19833 COOPER, "MORT." "The Garden" Show, Madison Square Garden Poultry Show. *Poultry Press* 30(10): 1. Mar. 23, 1944. 47.8 P8643
- 19834 COZZENS, F. R. We cull the perch warmers. *Amer. Poultry Jour.* 75(4): 27. Apr. 1944. 47.8 Am32
- 19835 DAKAN, E. L. Produce with what you have is 1944 order of the day for poultrymen. *Ohio Farmer* 193(5): 10. Mar. 4, 1944. 6 Oh3
- 19836 DESCHAMPS, SILVIA. Temas avícolas. (Cont.) *Rev. de Agr. [Dominican Rep.]* 34: 497-500. July/Aug. 1943. 8 R323
- Artificial incubation.
- 19837 EAST, MRS. L. M. Good care will maintain profitable egg production. *Saskatchewan Farmer* 35(5): 3. Mar. 1, 1944. 7 Sa74
- 19838 FIRE. DEPT. OF AGRICULTURE. Hints on poultry management. *Fire. Dept. Agr. Spec. Leaflet* No. 6, 4 p. Dublin, 1940. 10.5 Ir42S
- 19839 ELKINGTON, W. M. National Laying Test; birds maintain their promise... comments on results to date. *Mod. Poultry Keeping* 50: 189. Mar. 15, 1944. 47.8 Eg3
- 19840 FELDKAMP, WALTER. Sky highways of tomorrow. *Amer. Racing Pigeon News* 60(2): 6-7. Feb. 1944. 47.8 H75
- Using airplanes to carry pigeons to the race point.
- 19841 FILBY, JOHN. Loft layers thrive on flavoured raw mince. *Poultry Farmer [London]* 110(2853): 8-9. Feb. 25, 1944. 47.8 F312
- Pullets housed in converted pigeon loft.
- 19842 GARNER, CHARLES. Only way to judge a laying battery is by trial—can we have one? *Poultry Farmer [London]* 110(2853): 3. Feb. 25, 1944. 47.8 F312
- A drawing of a cage unit is given.
- 19843 GATTIS, JACK. More chicks, better chicks, for 1944. *Farmers Fed. News* 24(7): 15. Mar. 1944. 280.28 F225
- 19844 GLASER, E. G. How to start your chicks right. *Ind. Farmers Guide* 100(6): 15. Mar. 15, 1944. 6 In2
- 19845 GLASER, E. G. Useable aids in maintaining broiler chick health. *Peninsula Broiler Jour.* 3(21): 1, 4. Mar. 6, 1944. 47.8 P37
- 19846 \*GOERGERS, HANS. Beiträge zur wachstumsforschung. *Arch. f. Kleintierzucht* 3: 105-121. May/June 1942. 49 Ar2
- Studies based mainly on the Leghorn and Rhode Island Red poultry breeds.
- 19847 GOLDEHART, A. D. Poultry needs a "design for living"; how a more careful breeding and hatching program could cut flock mortality. *Poultry Supply Dealer* 20(12): 7, 38-39. Dec. 1943. 47.8 B11
- 19848 GORDON, M. D. Have early chicks and full broods. *Field* 183: 228. Feb. 26, 1944. 10 F45
- 19849 GUTIÉRREZ, RICARDO. Como se prueban los huevos durante la incubación. *Agr. Mex.* 59(12): 8-9. Dec. 1943. 8 Ag8
- 19850 HALES, P. S. Two-stage duck egg incubation better than mammoth methods. *Mod. Poultry Keeping* 50: 185, 194. Mar. 15, 1944. 47.8 Eg3
- 19851 HEIDL, BILL. Cannibalism control. *North-east. Poultryman* 38(3): 29. Mar. 15, 1944. 47.8 N44
- 19852 HENDERSON, DON. Hatch turkeys early. *Cackle and Crow* 26(5): 7. Mar. 15, 1944. 47.8 C11
- 19853 HILL, ALAN. Don't be caught bending because of inconvenient arrangement in the poultry house. *Poultry Farmer [London]* 110(2855): 3. Mar. 10, 1944. 47.8 P312
- 19854 HOFFMANN, EDMUND. Killing and dressing for home consumption. *N. H. Breeder* 7(1): 32-33. Mar./May 1944. 47.8 N45
- 19855 HOLDEN, A. E. Customers come back to Mellwood Hatchery... satisfied buyers mean repeat orders. *Poultry Supply Dealer* 20(12): 10, 40-41. Dec. 1943. 47.8 B11
- Advice on poultry problems.
- 19856 HOUGAN, M. G. Successful turkey management in the Yakima Valley. *Washcoegg* 21(11): 7-8. Mar. 1944. 47.8 W27
- 19857 HOWES, H. And now for eggs! After a disappointing winter all birds should be coming into full production: if not—cull them! *Farmers Weekly [London]* 20(9): 36. Mar. 3, 1944. 10 F2226
- 19858 HOWES, H. Ducklings under hens and in brooders. *Mod. Poultry Keeping* 50: 169. Mar. 8, 1944. 47.8 Eg3
- 19859 HOWES, H. Out-of-doors chick rearing. *Mod. Poultry Keeping* 50: 136. Feb. 23, 1944. 47.8 Eg3
- 19860 IVORY, B. A. Better brooding makes better poultry. *Poultry Herald* 56(3): 4. Mar. 1944. 47.8 P862
- 19861 JAMES, R. S. Elimination of loafers from the poultry-run; culling methods that will increase the flock's average egg-yield; selection of birds for mating. *Farmer's Weekly [Bloemfontein]* 66: 886-887. Jan. 26, 1944. 23 F225
- 19862 JULL, M. A. Artificial lighting increases production during fall and winter. *Md. Poultry Yearbook* 1944: 39. 47.9 M36
- 19863 JULL, M. A. Regular culling to maintain a profitable level of egg production. *Md. Poultry Yearbook* 1944: 11. 47.9 M36
- 19864 KALBER, S. K. Handling eggs for hatching. *Smith's Chickagrams* 13(2): 2. Feb. 1944. 47.8 Sm6
- 19865 LEE, C. E. What's new in poultry science? *Amer. Poultry Jour.* 75(4): 9, 44-46. Apr. 1944. 47.8 Am32
- 19866 LEGGATE, J. The gentle art of poultry, record keeping. *Mod. Poultry Keeping* 50: 172-173. Mar. 8, 1944. 47.8 Eg3
- 19867 LIMA, J. A. Os bons e os maus avicultores. *Chacaras e Quintais* 68: 733-734. Dec. 15, 1943. 9.2 C34
- 19868 JAMES, LOCKE. Try "incentive pay on that production line." *Northeast. Poultryman* 38(3): 19. Mar. 15, 1944. 47.8 N44
- Poultry care and management.
- 19869 LODGE, CYRIL. Causes of idleness in egg production. *Poultry Farmer [London]* 110(2853): 6. Feb. 25, 1944. 47.8 F312
- 19870 LODGE, CYRIL. Day-old chick colours. *Poultry Farmer [London]* 110(2854): 6. Mar. 3, 1944. 47.8 F312
- 19871 LODGE, CYRIL. Managing the broody and her chicks. *Poultry Farmer [London]* 110(2855): 6. Mar. 10, 1944. 47.8 P312



19872 LOWRY, GRIER. Management program of Mo. farm flock contest winner. Poultry Tribune 50(4): 68-69. Apr. 1944. 47.8 P8642

19873 LYON, JAMES. Victory over cannibalism—debeaking. Northeast. Poultryman 38(3): 30-31. Mar. 15, 1944. 47.8 N44

19874 LYON, JIM. Debeaking poultry. Agr. Engin. 25: 96. Mar. 1944. 58.8 Ag83

19875 MOORE, A. C. Range poultry rearing must be planned. Poultry [London], 94: 116. Feb. 22, 1944. 47.8 P869

19876 MOORE, O. K. Chick business having war boom. Fla. Grower 52(3): 12. Mar. 1944. 80 F6622  
An account of hatching chicks in large incubators.

19877 MOULTHROP, I. M. Some problems facing the broiler grower. Md. Poultry Yearbook 1944: 27. 47.9 M36

Suggestions for care and management.

19878 NAVY pigeons [at] U. S. Naval Air Station, Weeksville, No. Carolina. Amer. Racing Pigeon News 60(3): 4-5. Mar. 1944. 47.8 H75

19879 NEWMAN, TOM. The time to hatch. Mod. Poultry Keeping 50: 154-155. Mar. 1, 1944. 47.8 Eg3

19880 NICHOLSON, ARNOLD. 2000 hens—and a city job. Sat. Evening Post 216(39): 20-21, 87-88. Mar. 25, 1944. 110 3

Poultry raising is stressed in this story of a man who combined farming with a full-time industrial job.

19881 OGLE, R. C. Good equipment for [egg] production. [N. Y.] Niagara Co. Farm and Home Bur. News 30(11): 12. Feb. 1944. 275.293 N. Y., Niagara Co.

19882 PHILLIPS, R. E., and WILLIAMS, C. S. Relationship of specific gravity and shell appearance to the hatchability of fertile turkey eggs. Poultry Sci. 23: 110-113. Mar. 1944. 47.8 Am33P

19883 \*PODHERADSKY, JAN. Hat die dauer der legepause einfluss auf das gewicht des nachfolgenden eies? Arch. f. Kleintierzucht 3: 128-141. May/June 1942. 49 Ar2

19884 PROULX, J. R. Le Congrès National d'Aviculture [tenu à Ottawa du 12 au 14 janvier]. Terre de Chez Nous 16(23): 11. Mar. 8, 1944. 7 T27

19885 PROULX, J. R. L'hygiène au poulailler. Terre de Chez Nous 16(23): 12. Mar. 8, 1944. 7 T27

19886 QUIGLEY, G. D. The wartime flock owner. Md. Poultry Yearbook 1944: 17, 19. 47.9 M36  
Suggestions for care and management.

19887 RAIMO, H. F. Coma um ovo por dia e carne de galinha uma vez por semana. Rev. dos Criadores 15: 59-61. Jan. 1944. 43.8 R32  
Poultry breeding, and care and management of chicks.

19888 ROBERTSON, E. I. Poultry health hints. [N. Y.] Orange Co. Farm Bur. News 21(2): 5. Feb. 1944. 275.293 N. Y., Orange Co.

19889 ROHDE, C. E. Simple plan wins star award. Amer. Poultry Jour. 75(4): 5, 26-27. Apr. 1944. 47.8 Am32

Description of a poultry farm in Missouri.

19890 ROSCOE, CHARLES. Will your broody hatch those duck eggs? Poultry [London], 94: 84. Feb. 8, 1944. 47.8 P869

19891 RUMBALL, P. Selecting the breeders. Queensland Agr. Jour. 58: 111-112. Feb. 1944. 23 Q33

19892 SAVAGE, G. A. Young farmers can make a profit at 2d. an egg. Poultry Farmer [London], 110 (2855): 6-7. Mar. 10, 1944. 47.8 P312

Care and management.

19893 SCOTT, W. T. Sanitary conditions ward off troubles. Canad. Poultryman 31(3): 8. Mar. 1944. 47.8 C166

19894 SMITH, A. C. Correct environment for chicks. Poultry Herald 56(3): 3. Mar. 1944. 47.8 P862

19895 STECKLEY, VERN. Make your flockowners a definite part of hatchery enterprise. Poultry Supply Dealer 20(12): 42-43. Dec. 1943. 47.8 B11  
Advice on poultry problems.

19896 TAYLOR, J. C. Turn your brooding problems into advantages. N. J. Farm and Garden 15(3): 38, 40-41. Mar. 1944. 6 G162

19897 TAYLOR, M. W. The right ways in chick rearing...describes suitable methods. Mod. Poultry Keeping 50: 154-155. Mar. 1, 1944. 47.8 Eg3

19898 TEMPERTON, H., and DUDLEY, F. J. The effect of comb and wattle removal on certain economic characteristics of pullets. Harper Adams Util. Poultry Jour. 29: 7-9. Jan. 1944. 47.8 P8612

19899 WALFORD, S. M. Guideposts of care and management, in maintaining fertility and hatchability. New England Homestead 117(6): 16. Mar. 25, 1944. 6 N442

19900 WALLACE, H. B. Stop those cannibals. Wallaces' Farmer and Iowa Homestead 69: 186. Mar. 4, 1944. 6 W15

19901 WARE, H. C. Save a chick, produce a pullet. Farmer-Stockman 57: 159. Apr. 1944. 6 Ok45

19902 WEAVER, L. E. Buckwheat hulls as litter. Amer. Agr. 41: 144. Mar. 15, 1944. 6 Am3

19903 WILHELM, L. A. Get 1944 chicks off to a "flying start." Ind. Farmers Guide 100(6): 14. Mar. 15, 1944. 6 In2

19904 WILLIAMS, C. S. How do your chicks live? Md. Poultry Yearbook 1944: 51. 47.9 M36

19905 WILLIAMS, G. T. Make more from hatching eggs. Poultry Farmer [London], 110(2854): 3. Mar. 3, 1944. 47.8 F312

19906 WILSON, W. O. Use the senses in brooding; quick recognition of trouble can mean prompt correction. Poultry Tribune 50(4): 6. Apr. 1944. 47.8 P8642

## RABBITS

### Breeds and Breeding

19907 BEETCH, ALAN. Now is the time to .... start keeping some rabbits. Poultry [London], 94: 121. Feb. 22, 1944. 47.8 P869

Breeds and breeding.

19908 \*PALKIN, G. Iachshiý krolikovod SSSR [Best rabbit-breeder in the U.S.S.R.]. Kolkhoznoe Proizvodstvo, No. 10, p. 21-22. Oct. 1943. 281.8 K83

19909 RUSSELL, J. A. Rabbit breeding improvement. Poultry & Rabbit Monthly 12(3): 5-6. Mar. 1944. 47.8 P8654

19910 WILSON, W. K. Feeding and litter size. Poultry Farmer [London], 110(2855): 8. Mar. 10, 1944. 47.8 P312

### Feeds and Feeding

19911 BEETCH, ALAN. Grow these foods for your stock. Poultry [London], 94: 105. Feb. 15, 1944. 47.8 P869

19912 GARTNER, LLOYD. Crude protein necessary for rabbits. Calif. Rabbits Mag. 7(8): 4. Mar. 1944. 40.28 Sa5

19913 GILBERT, J. C. Feed more greens to rabbits. Hawaii Farm and Home 7(3): 29-30. Mar. 1944. 25 H3191



19914 GRINSTEAD, W. T. The what and why of rabbit feeds; two methods of feeding---what to feed for best results. *Amer. Rabbit Jour.* 14: 3-4. Jan./Feb. 1944. 40.28 Am3

#### Veterinary Medicine

19915 AUSTIN, B. F. Take tularemia very seriously. *Ala. Conserv.* 15(9): 7, 13. Mar. 1944. 279.8 All

Danger of transmission to man.

19916 BARRETO, J. F., and MIES FILHO, ANTONIO. Ovação experimental na coelha. *Soc. Bras. de Med. Vet. Bol.* 12: 231-246. Oct./Dec. 1943. 41.9 Sol4  
By the use of gonadotropins.

19917 SNOW, C. F. Scours in the rabbits. *Mod. Poultry Keeping* 50: 191. Mar. 15, 1944. 47.8 Eg3

#### Miscellaneous

19918 BRETCH, ALAN. Wanted: more rabbit meat in 1944. *Poultry* [London, 94: 89. Feb. 8, 1944. 47.8 P869

Home raising of rabbits for meat.

19919 BERNIER, P. E. L'élevage du lapin, la guerre est un stimulant pour les petits élevages. *Bul. des Agr.* 40(3): 24. Mar. 1944. 7 B872

19920 BROWN, MARY. Rabbits as big as---. *Poultry Farmer* [London, 110(2855): 8. Mar. 10, 1944. 47.8 P312

19921 INCH, MARK. Possible post-war occupation. *Saskatchewan Farmer* 35(5): 1. Mar. 1, 1944. 7 Sa74  
Raising of Angora rabbits.

19922 SNOW, C. F. Rabbit care at weaning time. *Mod. Poultry Keeping* 50: 155. Mar. 1, 1944. 47.8 Eg3

19923 SNOW, C. F. Rabbit records...how to keep them. *Mod. Poultry Keeping* 50: 137. Feb. 23, 1944. 47.8 Eg3

19924 TAME, H. G. I prefer oat straw to meadow hay. *Poultry Farmer* [London, 110(2853): 10. Feb. 25, 1944. 47.8 F312

Discusses home raising of rabbits.

19925 VALCAUDA, A. L. Any money in rabbit skins? *Fur Jour.* 10(3): 12. Jan. 1944. 412.628 F969

Describes a method of butchering and skinning rabbits.

19926 WILSON, W. K. Get those coats now. *Poultry Farmer* [London, 110(2854): 8. Mar. 3, 1944. 47.8 F312

Rabbit fur quality.

#### SHEEP AND GOATS

##### Breeds and Breeding

19927 ASKAR, MOHAMED. The origin of the Nubian goats. *Goat World* 29(3): 16-17. Mar. 1944. 40.18 G53

19928 BROWN, W. G. Are prize-winning sheep good breeders? *Meat and Wool* 91(2): 3. Feb. 10, 1944. 286.85 M463

19929 C., H. V. The Cheviot - control and its effect on type. *Scot. Farmer (Spec. Album No.)* 52: 47-48. Jan. 1, 1944. 10 Sco8

19930 CORRÊA, P. DE L. Criação da cabra: importância econômica. *Agr. e Pecuária* 16(248): 4-5. Nov. 1943. 9.2 Ag89

19931 DRY, F. W. The genetics of the Wensleydale breed of sheep. III. Arithmetical aspects of selection. *Jour. Genet.* 45: 265-268. Dec. 1943. 442.8 J823

19932 GONÇALVES, A. R. A cabra Anglo Nubiana na Bahia. *Chacaras e Quintais* 68: 689-690. Dec. 15, 1943. 9.2 G34

19933 GORDON, M. D. A busy month with the breeding of goats. *Field* 183: 152. Feb. 5, 1944. 10 F45

19934 HEATHERYKNOWE. Blackface sheep in 1943. *Scot. Farmer (Spec. Album No.)* 52: 115-116. Jan. 1, 1944. 10 Sco8

Black-Faced Highland sheep of Scotland.

19935 MANE MIN, ROBERTO. Observaciones sobre Nueva Zelandia, de la raza Romney Marsh. *Ovina* 5: 616-620. Apr. 1943. 45.8 Ov4

19936 NUTTALL, TOM. Heredity [in goats]; --- the seventh son. *Dairy Goat Jour.* 22(1): 8. Mar. 1944. 40.18 M592

19937 \*RINGLER, ERNST. Ein spitzenköhner der bayerischen ziegenzucht. *Landesbauernschaft Bayern. Wchnbl.* 133: 573. Oct. 23, 1943. 18 B34W

19938 SANDBURG, MRS. CARL. Nubians and Anglo-Nubians. *Dairy Goat Jour.* 22(2): 6. Apr. 1944. 40.18 M592

19939 SCHINCKEL, P. C. Why progeny test? ... destined to find a prominent place in improving the methods of sheep breeding, particularly Merino breeding. *So. Austral. Dept. Agr. Jour.* 47: 254-256. Jan. 1944. 23 So84

19940 \*SERGENT, EDMOND, and GAYOT, GEORGES. Notes sur la chèvre "rouge" du Sahara du Nord-Est (chèvre du Mzab ou de Touggourt). *Inst. Pasteur d'Algérie. Arch.* 21: 203-213. Sept. 1943. 448.5 In7A

19941 TAPPY, E. P. Sheep of the Andes...about four South American members of the sheep family: the llama, alpaca, guanaco, and vicuña...found chiefly in Peru and certain areas of Bolivia, Ecuador, and Chile. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 46-50. Mar. 1944. 1 F752A

#### Feeds and Feeding

19942 COLE, L. D. Trace minerals in the dairy goat; ration. *Dairy Goat Jour.* 22(2): 4. Apr. 1944. 40.18 M592

19943 DUCKWORTH, JOHN, GODDEN, WILLIAM, and THOMSON, WILLIAM. The relation between rates of growth and rickets in sheep on diets deficient in vitamin D. *Jour. Agr. Sci. [England]* 33: 190-196. Oct. 1943. 10 J822

19944 ETTIEN, MRS. I. E. Kids. *Amer. Dairy Goat News* 5(9): 2, 10-11, 18. Mar. 1944. 40.18 Am34

Advice as to feeding and care.

19945 FRITCH, IRVIN, and FRITCH, IRENE. How we do it: feeding kids. *Goat World* 29(3): 6-7. Mar. 1944. 40.18 G53

19946 \*HELLING, KNUT. Saueforinga i vinter. *Norsk Landbruk* 9: 331-332. Dec. 10, 1943. 11 N8122  
Suggested rations for winter feeding of sheep in Norway with the limited feed supply.

19947 MOORE, MERTON. Raising goat kids with less milk. *Amer. Dairy Goat News* 5(9): 6-8, 16. Mar. 1944. 40.18 Am34

19948 MOULE, G. R. The supplementary feeding of sheep in the Central West. *Queensland Agr. Jour.* 58: 53-54. Jan. 1944. 23 Q33

19949 \*SACKMANN, R. Fütterung der schafe im herbst. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 554. Oct. 23, 1943. 18 Sa9

19950 STEWART, GEORGE, and HUTCHINGS, S. S. Winter-range research [with sheep] at the Desert Branch Experimental Range. *Farm & Home Sci.* 5(1): 6-8. Mar. 1944. 100 UtlF

19951 THOMPSON, MRS. V. E. Just kids. (To be cont.) *Amer. Dairy Goat News* 5(9): 3, 5, 20. Mar. 1944. 40.18 Am34

Feeding, care and management.



- 19952 THOMPSON, MRS. V. E. Kid feeding. Amer. Dairy Goat News 5(10): 3, 17. Apr. 1944. 40.18 Am34
- 19953 TOMLINSON, H. W. Sheep without bought food. Farmer & Stock-Breeder 58: 426. Mar. 14, 1944. 10 F228

#### Veterinary Medicine

- 19954 AGATE, CORINNE. The law of dosage for goats. Goat World 39(5): 8-9. Mar. 1944. 40.18 G55
- 19955 FETHERS, GEOFF. Eradication of footrot. Pest. Rev. 54: 17-18. Jan. 15, 1944. 25 Au75
- 19956 GORRIE, C. J. R. Biological control methods against enterotoxaemia. Stock and Land 34 (5): 3. Feb. 2, 1944. 49 St63
- 19957 GRIMSLEY, DWIGHT. Experiences in treating pregnancy trouble in sheep. Sheepman 14: 334. Mar. 1944. 45.8 Sh32
- 19958 IRVING, M. R. Sunflower poisoning of sheep. Queensland Agr. Jour. 58: 114-115. Feb. 1944. 23 Q33
- Verbesina encelioides.
- 19959 \*LINSERT. Die parasitaren erkrankungen des schafes. Deut. Landw. Tierzucht 47: 200-201. Oct. 9, 1943. 49 D48
- 19960 LYLE-STEWART, W., and GRAY, ERNEST. Purulent encephalitis in sheep: "pseudo sturdy." Vet. Jour. 100: 32-35. Feb. 1944. 41.8 V643
- Causative organism isolated but not identified.
- 19961 MARSH, H. Abortion in sheep. Mont. Wool Grower 18(3): 13. Mar. 1944. 45.8 M762
- 19962 MARSH, H. Guard against lambing diseases. Mont. Wool Grower 18(3): 12. Mar. 1944. 45.8 M762
- Prevention of vaginal prolapse.
- 19963 MITTON, R. L. Internal parasites of sheep. (Cont.) So. Austral. Dept. Agr. Jour. 47: 257-259. Jan. 1944. 23 So84
- 19964 TETANUS in sheep. Victoria. Dept. Agr. Jour. 42: 7-8. Jan. 1944. 23 V66J
- 19965 THORP, W. T. S. Phenothiazine and the control of internal parasites of sheep. North Amer. Vet. 25: 218-221. Apr. 1944. 41.8 N812
- 19966 WEEB, L. A., MICHAEL, A. C., and HARGER, R. N. Fatal human Staphylococcus intoxication from goat milk. Amer. Jour. Pub. Health 33: 1314-1318. Nov. 1943. 449.9 Am3J
- Goat had acute mastitis due to Staphylococcus aureus.

#### Miscellaneous

- 19967 CIUDAD JUÁREZ, MEXICO. ESCUELA PARTICULAR DE AGRICULTURA. Producción de leche de cabra. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. 59, Ser. 2, 8 p. n. d. 102 G492
- 19968 CURT, MARY. Clean! cleaner! cleanest! Dairy Goat Jour. 22(2): 1, 17-21. Apr. 1944. 40.18 M592
- Care and management of goats.
- 19969 CURTIS, R. S. Sheep raising in North Carolina. Carolina Co-op., Mar. 1944, p. 6-7, 11. 72.8 N81
- 19970 D'ALESSIO, E. R. Describes a method of intensive stocking which means a minimum of ten sheep per acre. Farmers Weekly (London) 20(9): 31. Mar. 3, 1944. 10 F2226
- 19971 DURANT, A. J. The American Milk Goat Record Association reorganized in Missouri. Amer. Dairy Goat News 5(10): 6, 20. Apr. 1944. 40.18 Am34
- 19972 GORDON, M. D. The care of the kidding goat. Field 183: 256. Mar. 4, 1944. 10 F45
- 19973 HARRISON, J. E. Flock composition. Part I. Past. Rev. 54(1): 16. Jan. 15, 1944. 23 Au75

- 19974 \*INKOVAARA, NILS. Finlands färskötsel och ullhandel. Stiftelse Svenska Lantbruksveckan. Handl. (1943) 32: 222-232. 11 Sw34
- Finland's sheep production and wool industry.
- 19975 \*KHROMOPULO, N. Shubnaia ovtsa. Kolkhoznoe Proizvodstvo, No. 5/6, p. 22-23. May/June 1943. 281.8 K83

A type of sheep in the U.S.S.R. whose wool and skin are especially adapted for fleece-lined clothing.

- 19976 LEACH, C. A. Economically increasing goat milk production. Dairy Goat Jour. 22(2): 3, 15. Apr. 1944. 40.18 M592
- Care and management.
- 19977 MCCULLEY, MRS. C. T. Three years with goats. (Cont.) Amer. Dairy Goat News 5(10): 10. Apr. 1944. 40.18 Am34
- 19978 NISEET, W. R. Precautions in shearing mohair. Farm and Ranch 63(3): 31. Mar. 1944. 6 F31
- 19979 PAYLLALEF, PAOLO. Las cualidades de un buen esquilador ante el juicio certero de un hombre de campo. Res 11: 15.264. Dec. 5, 1943. 286.85 R31
- 19980 PICKERING, MRS. L. R. H. A beginner's trials and tribulations. Dairy Goat Jour. 22(1): 9-10. Mar. 1944. 40.18 M592
- 19981 POZZI, R. M. Explotación ovina en la zona sur de la Provincia de Corrientes. (Concl.) Ovina 5: 675, 677, 679. Apr. 1943. 45.8 Ov4
- 19982 PROULX, J. R. Le soin des brebis en hiver. Terre de Chez Nous 16(18): 11. Feb. 2, 1944. 7 T27
- 19983 SANDBURG, MRS. CARL. Horns or hornless goats. Dairy Goat Jour. 22(1): 4-5. Mar. 1944. 40.18 M592
- 19984 \*SMIRNOV, L. Mastera ovtshevodstva ras-skazyvalut Expert sheep-raisers story. Kolkhoznoe Proizvodstvo, No. 10, p. 20, Oct. 1943. 281.8 K83
- Breeding and feeding of lambs.
- 19985 SPERONI, J. C. Consideraciones generales sobre la esquila. Buenos Aires, Argentina (City). Bolsa de Cereales. Rev. 31(1635): 6-8, 10. Jan. 29, 1944. 287 B866
- 19986 STILGOM, H. C. Sheep on arable land in England. London Farmers' Club, Jour., Pt. 1, p. 1-5, 1944. 10 L84
- Discussion, p. 6-11.
- 19987 SUTHERLAND, ALEX. Border Leicester and down sheep sales in Scotland, in 1943. Scot. Farmer (Spec. Album No.) 52: 128-129. Jan. 1, 1944. 10 Sco8
- 19988 SUTHERLAND, ALEX. Scottish ram sales in 1943. Scot. Farmer (Spec. Album No.) 52: 131-136. Jan. 1, 1944. 10 Sco8
- 19989 VANHORN, LEROY. Keep sheep quality high. Mont. Farmer 31(13): 20. Mar. 1, 1944. 6 M764

#### SWINE

#### Breeds and Breeding

- 19990 ATHANASSOF, N. Os principais fatores de que depende o êxito de uma empresa de criação e engorda de suínos. Rev. de Agr. Piracicaba, 18: 291-310. Sept./Oct. 1943. 9.2 R324
- 19991 CLARK, JOHN. Something new in constructive Hampshire breed promotion. Amer. Hampshire Herdsman 19(3): 17. Mar. 1944. 46.8 Am33
- A project of members of the 4-H club and Future Farmers of America.
- 19992 \*HARING. Muttersauen frühzeitiger belegen lassen! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 473. Sept. 4, 1943. 18 Sa9



- 19993 \*SCHMIDT, J. Zuchtwahl und züchtung zur leistungssteigerung in der schweinezucht. (Concl.) Mitt. f. die Landw. 58: 657-660. Aug. 14, 1943. 18 D48M
- 19994 SHELTON, E. J. Selection of breeding stock. Queensland Agr. Jour. 58: 43-47. Jan. 1944. 23 Q33
- 19995 VIANA, A. T. Raça "Piau." Chacaras e Quintais 68: 575-578. Nov. 15, 1943. 9.2 C34  
"(Do livro 'Os Suínos' (criação prática e econômica) em preparação)"
- 19996 \*ZORN, W. Steigerung der fett- und fleischerzeugung beim schwein auf dem weg der züchtung. Forschungsdienst, Sonderheft 16, p. 587-588. Berlin, 1942. 18 F772
- Feeds and Feeding
- 19997 BOHSTEDT, GUS. Whey, skim milk, buttermilk valuable in swine rations. Cheese Rptr. 68(27): 4. Mar. 3, 1944. 44.8 Sh3
- 19998 \*BREIREM, K., HUSBY, M., and PRESTHEGGE, K. Cellulose som svinefôr. Norsk Landbruk 9: 296-299. Oct. 29, 1943. 11 N8122  
Cellulose is not suitable as feed for swine.
- 19999 \*BUSCH. Weidegang für schweine hilft fütter sparen. Landesbauernschaft Sachsen. Wchnbl. 91: 184. Apr. 10, 1943. 18 Sa1
- 20000 COFFEY, J. S. Pastures and pig welfare. Berkshire News 9(5): 4, 44. Mar. 1944. 46.8 B454
- 20001 \*CRASEMANN, E., and TSCHERNIAK, A. Fütterungsversuche mit birnentrockentrestern an schweinen. Landw. Jahrb. der Schweiz 56: 387-412. 1942. 17 L25  
French summary.  
Dried fruit (especially pear) pomace for swine.
- 20002 DAVISON, HOWARD. Hog herdsmen tighten belts. Ohio Farmer 193(5): 14. Mar. 4, 1944. 6 Oh3  
Feed supply for swine.
- 20003 \*GOREGLIAD, K. H. Sapropel' v ratsionakh svinei [Sapropel in the rations of swine]. Sovkhoznoe Proizvodstvo 3(12): 43-44. Dec. 1943. 20 So85
- 20004 \*HÄFLE. Ferkel lassen sich mit wirtschafsfutter zu läufern aufziehen; der absatz von läufern ist gesichert. Landesbauernschaft Württemb. Wchnbl. 110: 321. May 22, 1943. 18 W96
- 20005 \*HÄFLE. Grünfütterer hilft den fütterbedarf des vermehrten schweinebestandes bis zur nächsten ernte sichern. Landesbauernschaft Württemb. Wchnbl. 110: 284. May 1, 1943. 18 W96
- 20006 \*HÄFLE. Nur junges zartes grünfütter ist wertvolles schweinefütter! Landesbauernschaft Württemb. Wchnbl. 110: 309. May 15, 1943. 18 W96
- 20007 \*HÄFLE. Vorsicht bei verfütterung von mager- und buttermilch im sommer. Landesbauernschaft Württemb. Wchnbl. 110: 358. June 12, 1943. 18 W96  
Swine feeding.
- 20008 \*HARING. Schweinemast auch mit weniger kartoffeln. Landesbauernschaft Bayern. Wchnbl. 133: 532. Oct. 2, 1943. 18 B34W
- 20009 \*HARING. Zuckerrüben und zuckerrübenblatt in der schweinefütterung. Deut. Landw. Tierzucht 47: 205-206. Oct. 23, 1943. 49 D48
- 20010 \*HARING, F. Noch mehr rüben in der schweinemast. Deut. Landw. Tierzucht 47: 199-200. Oct. 9, 1943. 49 D48
- 20011 \*HOLZ, PAUL. Kartoffeln einsäuern oder täglich kochen? Landesbauernschaft Sachsen. Wchnbl. 91: 403. Sept. 11, 1943. 18 Sa1  
For feed.
- 20012 \*JENSEN, J. K. Sukkerroer til svinefoder [Sugar beets as swine feed]. Ugeskr. for Landmaend 88: 708-709. Oct. 8, 1943. 11 Ug3
- 20013 \*KIRSCH, W. Futterrüben und zuckerrüben in der schweinemast. Landesbauernschaft Niederschles. Wchnbl. 10: 224. Apr. 10, 1943. 18 Si3
- 20014 KRIDER, J. L. Vitamin, protein, and mineral supplements for growing and fattening fall pigs fed in dry lot. Cornell Univ. Abs. of Theses, 1942: 460-463. 1943. 241.8 C81
- 20015 \*LITSKOVA, A. Neskol'ko sovetov svinovodam [Some advice to swine-raisers]. Kolkhoznoe Proizvodstvo, No. 10, p. 19-20. Oct. 1943. 281.8 K83  
Care and feeding of the young swine.
- 20016 MCAULIFFE, W. S. Colossal waste of good pig food; more whey could be profitably used. So. Austral. Dept. Agr. Jour. 47: 260-262. Jan. 1944. 23 So84
- 20017 \*MAIOROVA, E. Vospitanie porosiat pri naimen'shikh zatratakh sil'nykh kormov. Kolkhoznoe Proizvodstvo, No. 5/6, p. 20-21. May/June 1943. 281.8 K83  
Raising swine by economizing on the coarse feeds.
- 20018 \*NIESCHLAG, F. Schweinehaltung und fütterwirtschaft; wie verwertet das schwein die füttermittel der eigenen wirtschaft am besten? Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 208. Apr. 3, 1943. 18 Sa9
- 20019 PEIRSON, H. M. Good pigs and increased pig-meats. New Zeal. Jour. Agr. 68(1): 17-19. Jan. 15, 1944. 23 N48J  
Stresses feeding.
- 20020 ROBISON, W. L. Fat in rations for swine. Grain & Feed Jours. Consolidated 92: 204. Mar. 8, 1944. 298.8 G762
- 20021 \*SCHEUER. Ferkel lassen sich mit wirtschafsfutter zu läufern aufziehen. Landesbauernschaft Niederschles. Wchnbl. 10: 324. June 5, 1943. 18 Si3
- 20022 SHELTON, E. J. Grain-feeding of pigs. Queensland Agr. Jour. 58: 105-107. Feb. 1944. 23 Q33
- 20023 VIANA, A. T. Proteinas, pasto e ar livre para os porcos. Chacaras e Quintais 68: 560. Nov. 15, 1943. 9.2 C34
- 20024 ZAVORAL, H. G. Feeding and care of the brood sow. Hog Breeder 14(3): 4. Mar. 1944. 46.8 H672  
Stresses feeding.
- Veterinary Medicine
- 20025 ATHANASSOF, NICOLAU. Moléstias infecciosas dos suínos. Rev. Rural Bras. 23(280): 44-48. Dec. 1943. 9.2 B733
- 20026 \*BUGGE, G. Zu den formen des muskelegels beim schwein in den trichinenkompressorien. Ztschr. f. Fleisch u. Milchhyg. 54: 21-24. Nov. 1, 1943. 449.8 Z55
- 20027 CANO, E., and BRUNO VIDELA, P. H. Explotación porcina. (Cont.) Rev. Mens. B. A. P. 27, i. e. 26(313): 37, 39-41, 43. Dec. 1943. 9 R326  
Swine industry in Argentina. This part discusses mainly diseases and parasites.
- 20028 CLARE, N. T., and STEPHENS, E. H. Congenital porphyria in pigs. Nature [London], 153: 252-253. Feb. 26, 1944. 472 N21
- 20029 D'APICE, MARIO. Peste suina (hog cholera). Rev. dos Criadores 15: 11-15. Jan. 1944. 45.8 R32
- 20030 DEAN, R. A. Lentin in dystocia of sows. North Amer. Vet. 25: 222-223. Apr. 1944. 41.8 N812
- 20031 FORREST, G. E. Lombriz de los lechones. Campo [Buenos Aires], 28(326): 46. Dec. 1943. 9 C15



20032 GILLAIN, J. Essai de traitement de la trypanosomiase virulente du porc avec la Congasine. Bul. Agr. du Congo Belge 35: 108-109. Mar./June 1942. 24 K83

20033 KAPLAN, M. M. An unusual epizootic of tetanus in young pigs. Middlesex Vet. 3(1): 8-11. Fall 1943. 41.8 M583

20034 KERNKAMP, H. C. H. Disease of newborn and suckling pigs. I. Nutritional anemia and food "hypersensitiveness." Vet. Student 6: 125-127, 160, 163. Winter 1944. 41.8 V6425

20035 MARCUSE, F. L. Experimental studies of physiological patterns in normal and abnormal animal behavior. Cornell Univ. Abs. of Theses, 1942: 309-311. 1943. 241.8 C81

Pigs and rats studied.

20036 PAUHLMAN, V. C. Restraint of the boar for castration. Vet. Med. 38: 490-491. Dec. 1943. 41.8 M69

20037 \*SANDSTEDT, H. Aktuella spörsnål angående svinsjukdomar. Stiftelse Svenska Lantbruksveckan. Handl. 1943: 143-149. 11 Sw34

Swine diseases.

20038 \*SANDSTEDT, H., and SJÖBERG, K. Orienterande undersökningar angående blodfosfatasreaktionens värde för klinisk diagnostik vid mineralbristsjukdomar hos svin (Directive investigations respecting the value of blood-phosphatase reaction for clinical diagnostics in mineral-deficiency diseases in pigs). Skand. Vet. Tidskr. 55: 641-658. Nov. 1943. 41.8 Sk1

German and English summaries.

20039 SHEALY, A. L. How to save spring pig crops. Fla. Grower 52(3): 15. Mar. 1944. 80 F6622

Prevent hog cholera and parasite infestation.

20040 THOMPSON, C. P. Round worms in hogs can be controlled. Farmer-Stockman 57: 141. Apr. 1944. 6 Ok45

20041 WELCH, HOWARD. Hog cholera. Mont. Farmer 31(12): 20. Feb. 15, 1944. 6 M764

#### Miscellaneous

20042 BUENO, P. Como iniciar uma criação de porcos. Biológico 8: 153-157, 175-178. June, July 1942. 442.8 B529

20043 CAMPERCHIOLI, E. E. Exportación porcina: Bondades que aporta la utilización del maíz para el engorde. Fed. Argentina de Coop. Tamberas Lda. Rev. 2(15): 6-9. Oct. 1942. 280.28 F31

Breeding, feeding and diseases of swine.

20044 \*HARING. Muttersauen frühzeitiger, schon im September, belegen lassen! Deut. Landw. Tierzucht 47: 187. Sept. 11, 1943. 49 D48

20045 \*HARING, F. Frühzeitiges belegen der sauen zur deckung des ferkelbedarfs 1944. Mitt. f. die Landw. 58: 699-700. Aug. 28, 1943. 18 D48M

Program for production of suckling pigs for market.

20046 HENDERSON, JIM. Hasn't this been a great Hampshire sale season? Average on all Hamp gilts is right at \$150! Amer. Hampshire Herdsman 19(3): 15, 22-23, 30-41. Mar. 1944. 46.8 Am33

20047 KIRCHER, W. H. 100 pigs on 21 acres. Farmer 62(5): 1, 26. Mar. 4, 1944. 6 F2211

Care and management.

20048 LACEY, J. J. Don't forget the hog. Hoard's Dairyman 59: 213, 215. Apr. 10, 1944. 44.8 H65

Hogs as a sideline to dairy farming.

20049 MOREAU, A. B. La cría y la industria porcina en el Perú. Agronomía, Lima, 8(34): 37-44. Dec. 1943. 9.8 Ag83

20050 \*SAUER, TH. Hausschlachtungen mit zugelassener Verwiegung. Landesbauernschaft Bayern. Wohnbl. Ausg. A 133: 318. May 29, 1943. 18 B34W

Restrictions on household slaughtering of hogs.

20051 STEINERSON, T. L. Hog raisers are funny people. Successful Farming 42(1): 62. Jan. 1944. 6 Su12

Care and management of swine.

20052 SUTHERLAND, ALEX. Scottish pig trade in 1943. Scot. Farmer (Spec. Album No.) 52: 130. Jan. 1, 1944. 10 So8

20053 \*VOJTKO, D. Vydafishchafasfa produktivnost' svinomatki [Outstanding productiveness of a sow]. Sovkhoznoe Proizvodstvo 3(12): 36. Dec. 1943. 20 So85

#### ENTOMOLOGY

##### GENERAL

20054 BLANCHARD, E. E. Un diptero y seis himenopteros argentinos, nuevos para la ciencia. Soc. Ent. Argentina. Rev. 12: 92-104. Dec. 1943. 420 So14

New spp. in: Lydinolydella; Ipobracon 4; Apanteles; Spilochalcis.

20055 \*BRYK, FELIX. Etwas über insekten-artefakte. Eine berichtigung. Ent. Tidskr. 64: 173-176. 1943. 421 En891

20056 DONISTHORPE, HORACE. Mice eating insects, etc. Ent. Rec. and Jour. Variation 56: 22. Feb. 1944. 421 En89

20057 EUBANKS, L. E. Luminous insects. North. Farms News 5(10): 7. Jan. 1944. 280.28 N815

20058 FOURNIER, OVILA. The development of insects. Pests 12(3): 22-23. Mar. 1944. 449.8 Ex8

20059 A GUERRA entre os insetos. Fauna [São Paulo] 1(9): 10-13. Sept. 1942. 410 F272

Describes methods of defense and offense.

20060 \*JENNY, J. Erfahrungen mit dem vollautomatischen elektrobrücken-thermostat "Wädenswil." Landw. Jahrb. der Schweiz 56: 202-206. 1942. 17 L23

Apparatus used for ecological studies on insects.

20061 HATHAWAY, C. R. Associação entre Mallophaga e Hippoboscidae. Inst. Oswaldo Cruz. Mem. 38: 413-417. Jun. 1943. 448.9 In74

20062 PERTENCE a natureza o departamento n. 1 de patentes. Fauna [São Paulo] 1(10): 3-5. Oct. 1942. 410 F272

Similarity of human inventions to natural structures of insects illustrated.

20063 SEABRA, A. F. DE. Contribuição para a história da entomologia em Portugal. Catalogo das coleções entomológicas do Laboratório de Biologia Florestal em 1937. Portugal. Dir. Geral dos Serv. Florestais e Aquícolas. Pub. 6: 155-303. 1939. 99.9 P834

20064 TIMON-DAVID, JEAN. Première étude des insectes fossiles oligocènes du bassin de Marseille. Paris. Acad. des Sci. Compt. Rend. 216: 455-457. 1943. 505 P21

20065 WILTSHIRE, E. P. Two visits to the Hammar Lake. (24th May and 14th November 1943.) With a discussion of S. Iraqi marsh fauna. (To be cont.) Ent. Rec. and Jour. Variation 56: 14-16. Feb. 1944. 421 En89

##### GENERAL - ECONOMIC

20066 ARSENIC, (Concl.) Milk Prod. Gaz. 3(12): 9-10. Feb. 1944. 44.8 M5995

General discussion including insecticide uses.



- 20067 BARTLUM, W.L. Insecticides and fungicides. Fla. State Hort. Soc. Proc. (1943) 56: 100-103. 81 F66
- 20068 BOYCE, A. M. Up to now with citrus insecticides. Calif. Citrogr. 29: 117. Mar. 1944. 80 C125
- 20069 BRALEY, BERTON. Fighting death on wings. Hygeia 22: 272-273, 290, 292-293. Apr. 1944. 449.8 H993
- Brig. Gen. George C. Dunham, Chief of the Division of Health and Sanitation, Office of Inter-American Affairs, and his war against insect pests.
- 20070 BROWN, A. C. Difficulties of inspection for plant pests under war-time conditions. Fla. State Hort. Soc. Proc. (1943) 56: 81-85. 81 F66
- 20071 CAREY, FRANK. Death to body lice [Pediculus humanus corporis] and flies. Powerful new "D.D.T." is answer to long sought need. Pests 12(3): 20-21. Mar. 1944. 449.8 Ex8
- 20072 CARROLL, J. Insect pests affecting food production. Irish Agr. and Creamery Rev. 13(122): 10-11. Feb. 1944. 44.8 C866
- 20073 CASSIL, C. C., and HANSEN, J. W. Colorimetric analysis of xanthone spray residues. Indus. and Engin. Chem., Analyt. Ed. 16: 35-37. Jan. 15, 1944. 381 J825
- 20074 DAVIS, V. H. Use a dust smoke screen to protect against bugs and diseases. Ohio Farm Bur. News 23(9): 4-5. Apr. 1944. 6 Oh34
- 20075 DAWSON, J.C. Methyl bromide fumigation. Soap and Sanit. Chem. 20(3): 96-98. Mar. 1944. 307.8 S012
- 20076 DELONG, D. M. Insect and rodent control in dairy plants. Milk Plant Monthly 33(3): 58. Mar. 1944. 44.8 C864
- 20077 ELLIOTT, G.R. Entomophobia. Soap and Sanit. Chem. 20(3): 105. Mar. 1944. 307.8 S012
- Imaginary insect infestations. Notes from symposiums at recent Pest Control Operators conferences.
- 20078 EVANS, J. A. Apple insects of New York: their regional distribution, seasonal development and economic importance in relation to control measures. Cornell Univ. Abs. of Theses, 1942: 277-279. 1943. 241.8 C81
- 20079 FERREIRA, J. A. L. DE N. Piscicultura para amadores; doenças e inimigos. Fauna [São Paulo] 1 (6): 9-12. June 1942. 410 F272
- Enemies include several kinds of aquatic insect.
- 20080 FIASSON, R. Notes sur les parasites animaux du Haut-Apura (Venezuela). Rev. des Sci. Med. Pharm. et Vét. de l'Afrique Franç. Libre 2: 125-151. Mar. 1943. 448.8 R324
- 5 colored plates.
- Arachnida, p. 133-139; Siphonaptera, Anoplura, p. 139; Diptera, p. 140-150.
- English translation of introductory remarks appears in Amer. Vet. Med. Assoc. Jour. 104: 204-205. Apr. 1944. 41.8 Am3
- 20081 FLEBUT, A. J. The supply outlook for 1943. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 68-73. 81 Or32
- Insecticide supplies.
- 20082 FRUIT and garden spray chart. The three types of garden pests and how to fight them. Farmers Fed. News 24(7): 12. Mar. 1944. 280.28 F225
- 20083 GADD, C. H. Report of the entomologist for 1942. Ceylon Tea Res. Inst. Bul. 24, p. 32-36. St. Coombs, 1943. 68.19 C33
- Includes discussion of Xyleborus formicatus and Nataka nararia.
- 20084 GARDNER, J. C. M. Insects in fruit eaten by birds. Comment on the supposed frugivorous habits of woodpeckers. Bombay Nat. Hist. Soc. Jour. 44: 311. Dec. 1943. 513 B63
- 20085 GILLAM, A.E., and WEST, T.F. Observations on the testing of pyrethrum extracts. Part II. The use of absorption spectra. Soc. Chem. Indus. Jour. 63: 23-25. Jan. 1944. 382 M31
- 20086 GRIOT, MARIO. Remanente de aceite mineral en hojas de citrus en función del emulsionante empleado. Rev. Argentina de Agron. 9: 204-215. Sept. 1942. 9 R327
- 20087 HANSEN, E. P. Experiences in controlling orchard diseases and pests with sprays. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 71-72. 81 Or32
- 20088 HARTZELL, ALBERT. Further tests on plant products for insecticidal properties. Boyce Thompson Inst. Contrib. 13: 243-252. Jan./Mar. 1944. 451 B69
- 20089 HARTZELL, F. Z. Entomological investigations in Chautauqua Co. Grape berry moth [Polychrosis viteana], leafhoppers [Erythroneura], and grape worm [Fidia viticida], most important pests. Grape Belt and Chautauqua Farmer 50(18): 1, 8. Mar. 3, 1944. 110 G76
- 20090 HAYNES, WILLIAMS. The hunt for new bug-killers. Sci. Digest 15(4): 81-82. Apr. 1944. 470 Sci27
- Search for pyrethrum substitutes. Condensed from a chapter in The Chemical Front, N. Y., 1943.
- 20091 HIBON, J. La lutte contre les escargots dans les plantations d'agrumes. Fruits et Primeurs de l'Afrique du Nord 13: 103-105. May 1943. 80 F9482
- 20092 HOCKEY, J. F., PICKETT, A. D., and NEARY, M. E. Spray calendars for apples and pears suitable for Nova Scotia, 1944. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 117, 119-120. 82 N85
- 20093 HUTSON, RAY. New developments in insect control. Mich. Muck Farmers Assoc. Proc. 25: 28, 30. 1943. 4 M5813
- Changes due to insecticide shortages.
- 20094 INSECT pests of vegetable crops. Austral. Gard. Lover 19(2): 23-25. Feb. 1944. 80 G1615
- 20095 İYİBOZ, NİHAT. Pamuk hastalıkları [Cotton diseases and pests]. Turkey. Ziraat Vekâleti. Nesriyat. U. No. 237 (Mahsul Hastalıkları No. 1), 140 p. İzmir, 1941. 25 T842
- 20096 JACOBSON, MARTIN, ACREE, FRED, JR., and HALLER, H. L. Determination of sesamin. Indus. and Engin. Chem. Analyt. Ed. 16: 166-167. Mar. 1944. 381 J825A
- Analysis of sesame oil, used as synergist for pyrethrins.
- 20097 KING, H. L. The relation between chemical constitution and insecticidal properties in certain N-heterocyclic compounds. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 81-86, processed. 1943. 241.8 P38
- 20098 KNOWLTON, G. F. Garden insect control. Utah Farmer 63(15): 11. Mar. 25, 1944. 6 D45
- 20099 LAMARTINE, A. Como se deve efetuar a destruição dos insetos nocivos e dos pequenos animais. Ratos - baratas - percevejos - pulgas e o bicho de pé - moscas e mosquitos, etc. Fauna [São Paulo] 1(12): 40-41. Dec. 1942. 410 F272
- 20100 LEÃO, M. DE A. Expurgo de produtos agrícolas em pequenas quantidades. Brazil. Min. da Agr. Div. de Defesa Sanit. Veg. Pub. 15, p. 1-15. Rio de Janeiro, 1941. 464.9 B73
- Includes description of apparatus.
- 20101 LINSLEY, E. G. The basic responsibility of the pest control operator to his client. Pests 12 (3): 15-17. Mar. 1944. 449.8 Ex8
- Plea for proper identification of insect pests.
- 20102 LINSLEY, E. G. Insect infestation of dehydrated foods. Canner 98(18): 26, 28. Apr. 1, 1944. 296.83 C16



- 20103 LIZER Y TRELLES, C. A., and RODRÍGUEZ JURADO, A. J. Resultados de los ensayos efectuados con un equipo para desinfectar cajones fruteros. Rev. Argentina de Agron. 9: 181-187. Sept. 1942. 9 R327  
Apparatus for heat disinfection of empty fruit boxes.
- 20104 LYLE, CLAY. Controlling garden insects. Miss. Farm Res. 7(3): 1-2. Mar. 1944. 100 M69M1
- 20105 MCDANIEL, E. I. Garden insecticides for 1944. Hort. News 10: 20-21. Mar. 1944. 80 H7815  
Includes "Insecticide guide for victory gardeners," p. 21.
- 20106 MACDONAGH, E. J. Algunas observaciones entomológicas. La Plata Univ. Nac., Facultad de Agron. Rev. 25: 69-88. 1943. 9 R32  
*Cephus siccifolius*, *Pseudococcus longispinus*, *Solanophila paenulata*, *Acanthoscelides obtectus*, and other pests.
- 20107 MATHESON, ROBERT. Arthropods as vectors of human diseases with special reference to the present war. N. Y. Acad. Sci. Ann. 45: 225-249. Sept. 30, 1943. 500 N484  
Discussion, p. 249-250.
- 20108 \*MÜLLER, K. R. Denkt an die schädlingsbekämpfung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 278. May 15, 1943. 18 Sa9
- 20109 \*MÜLLER, K. R. Und wieder: denkt an die schädlingsbekämpfung! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 301. May 29, 1943. 18 Sa9
- 20110 \*MÜLLER, K. R. Wir vernichten alle feinde der feldfrucht! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 293. May 22, 1943. 18 Sa9
- 20111 MUNRO, J. W. The infestation by insects of foodstuffs and other stored goods. Brit. Assoc. Refrig. Proc. (1942-43) 39: 51-65. 1943. 295.9 C67
- 20112 NEARY, M. E. Fruit insect probabilities for 1944. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 24-25, 27-29, 31-32. 82 N85
- 20113 OSSOWSKI, L. L. The chemical destruction of forest pests. Endeavour 3(9): 32-37. Jan. 1944. 472 En2
- 20114 PALMER, D. F. Avocados and their insect allies. Calif. Citrog. 29: 162-163. Apr. 1944. 80 C125  
Discusses biological control of avocado insects.
- 20115 PARKS, T. H., NEISWANDER, G. R., and MARTIN, W. H. Discussion of greenhouse insects. Ohio Veg. and Potato Growers Assoc. Proc. 27: 126-128, 130-132, 134. 1942. 75.9 Oh3
- 20116 PICKETT, A. D. Remarks on our insect control problems. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 19-20. 82 N85
- 20117 POPOVA, M. Barites' vreditel'fami plodovo-fagodnykh kul'tur [Control fruit and berry pests]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 85/86, 12 p. Moskva, 1943. 20 Ag88
- 20118 RANGEL, J. F. Toxicologia dos insecticidas de ingestão. Brazil. Esc. Nac. de Agron. Bol. 2, p. 149-184. 1941 (issued 1942). 102.5 R473  
Experiments with caterpillars of *Bombyx mori*.
- 20119 REINIGER, C. H. Contribuição ao estudo dos possíveis insetos vetores de vírus dos "cítril" no Brasil. Brazil. Esc. Nac. de Agron. Bol. 2, p. 225-257. 1941 (issued 1942). 102.5 R473  
Deals mainly with aphids and thrips.
- 20120 RICE, P. L. Two apple pests new to Delaware growers. Peninsula Hort. Soc. [Del.] Trans. 57: 37-41. 1943. 81 P37  
*Coleophora malivorella*; *Pseudococcus comstocki*.
- 20121 RIEDER, R. E. Outlook for insecticides and fungicides for 1944. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 33, 35-40. 81 Or32
- 20122 ROARK, R. C. Research on insecticides. Soap, Perfumery & Cosmetics 27: 126, 123. Feb. 1944. 307.8 Sol3
- 20123 ROHWER, S. A. The Bureau of Entomology and Plant Quarantine and wartime pest control. Pests 12 (3): 8-9, 31-33. Mar. 1944. 449.8 Ex8
- 20124 ROUNDS, M. B. The avocado insect situation. Calif. Avocado Soc. Yearbook 1943: 52-53. 81 C128  
Same title appears in Calavo News 18(1): 11. Jan./Mar. 1944. 280.28 C12
- 20125 \*SCHÜTZ, KURT. Das schaumnebel-spritzverfahren. Mitt. f. die Landw. 58: 551-552. July 10, 1943. 18 D48M
- 20126 SCUZA-ARAUJO, H. C. DE. Infecção espontânea e experimental de hematófagos (ixodídeos, triatómídeos, culicídeos, hiruquídeos, pediculídeos e cimicídeos) em leprosos. Possibilidade de serem eles vectores ou transmissores da lepra. Inst. Oswaldo Cruz. Mem. 38: 447-484. June 1943. Ref. 448.9 In74
- 20127 SHERWOOD, E. C. Apple spraying for 1944. Mountaineer Grower 15(151): 3-5, 7-8. Feb. 1944. 80 M86
- 20128 \*SKALA, HUGO. Kerfe aus Oberdonau und anderes. Wien. Ent. Gesell. Ztschr. 28: 101-104. Apr. 15, 1943. 421 Os7  
Miners, mainly leaf miners, from several orders.
- 20129 SMITH, J. H., and FORBES, A. C. How to defeat wood-borers. New Zeal. Jour. Agr. 68: 83, 85-88. Feb. 15, 1944. 23 N48J  
Discusses *Anobium domesticum*, *Lyctus* spp., *Ambeodon-tus tristis*, *Calotermes brouni*, *Stolotermes ruficeps*, *Coptotermes* spp.
- 20130 SORENSON, C. J. Insect-pest control in orchards during the dormant season. Utah Farmer 63 (14): 6, 19. Mar. 10, 1944. 6 D45
- 20131 \*STAPFEL, CHR. Klid, sukker og gift til skadedyrsbekæmpelse [Bran, sugar and poison for pest control]. Ugeskr. for Landmaend 88: 26-28. Jan. 8, 1943. 11 Ug3  
Insecticide shortages; lead arsenate as a substitute for Paris green.
- 20132 \*STAPFEL, CHR. Masseoptraeden af agersnegle - et ejendommeligt middel til deres bekæmpelse [Out-break of field slugs - an unusual method for their control]. Ugeskr. for Landmaend 88: 808-809. Nov. 19, 1943. 11 Ug3  
*Agriolimnaea agrestis* and *Arion hortensis* controlled by use of metaldehyde.
- 20133 STARK, A. You can control your pests. Utah Farmer 63(14): 3, 19. Mar. 10, 1943. 6 D45
- 20134 THATCHER, N. D., JR. Supply situation for agricultural insecticides and fungicides. Utah Farmer 63(14): 12. Mar. 10, 1944. 6 D45
- 20135 \*THIEM, H. Bekämpfung von krankheiten und schädlingen im obstbau. Forschungsdienst, Sonderheft 16, p. 491-498. Berlin, 1942. Ref. 18 F772
- 20136 THREE point spraying program; proper time, thorough application, right spray. Ind. Farmers' Guide 100(5): 16. Mar. 1, 1944. 6 In2
- 20137 TINKER, L. W. Experiences in controlling orchard diseases and pests with dust. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 68-70. 81 Or32
- 20138 TISSOT, A. N. Control of household insects. Citrus Indus. 25(3): 12-13. Mar. 1944. 80 C49
- 20139 TREE borers. Agr. Gaz. N. S. Wales 55: 21-25. Jan. 1, 1944. 23 N472
- 20140 TWINN, C. R. The Division of Entomology [Canada] and the pest control operator. Pests 12(3): 24-25. Mar. 1944. 449.8 Ex8



20141 WALKER, F. H., JR. Life histories and control tests on three insect pests of skins stored in the tannery. *Kans. Ent. Soc. Jour.* 17: 7-14. Jan. 1944. 420 K13

*Dermestes vulpinus*; *Tineola bisselliella*; *Necrobia rufipes*.

20142 WESTCOTT, CYNTHIA. Fruit pests and diseases. *Home Gard. [N. Y.]* 3(3): 36-40. Mar. 1944. 80 H756

Chart, p. 37-40.

20143 WHITEHEAD, S. B. Spraying fruit in late winter. *Field* 183: 228. Feb. 26, 1944. 10 F45  
Refers to dinitro-ortho-cresol in petroleum.

#### APICULTURE AND APIS MELLIFERA

20144 ADAMSON, A. M. Enemies and diseases of the honeybee [*Apis mellifera*] in Trinidad. *Agr. Soc. Trinidad and Tobago. Soc. Paper No.* 845, 12 p. 1943. 8 T73S

Includes discussion of *Galleria mellonella*, *Achroia grisella*, termites, foulbrood, etc.

20145 \*ANGERPOINTNER, PETER. Gute erfolge mit verkleinerten einwabenkästchen. *Imkerpraxis* 65: 39-41. June 1943. 424.8 B34  
Queen rearing in nuclei.

20146 \*ANGST, H. Zur geschichte des apistischen museums und der bibliothek auf dem rosenberg bei Zug. *Schweiz. Bienen Ztg.* 66: 432-436. Oct. 1943. 424.8 Sch9

20147 APUNTES de apicultura. Ciudad Juárez, Mex. *Esc. Particular de Agr. Bol.* 56, Ser. 2, 8 p. n. d. 102 C492

20148 ARANHA, R. E. DE S. Apicultura. *Chacaras e Quintais* 68: 613-614. Nov. 15, 1943. 9.2 C34

20149 BARTSCH, ALFRED. Wie "weiss" auf die bienen wirkt. *Imkerpraxis* 65: 69-70. Aug. 1943. 424.8 B34

Bees are repelled by white.

20150 \*BECK, FRIEDRICH. Welcher rotkelee honigt gut? *Imkerpraxis* 107-108. Oct. 1943. 424.8 B34  
Variety of red clover influences size of honey crop.

20151 BERGMANN, S. T. Development of strains. *West. Canada Beekeeper* 7(3): 3. Mar. 1944. 424.8 W525

Discusses the breeding of better bees.

20152 BERGMANN, S. T. More colonies by distribution of labor. *West. Canada Beekeeper* 7(3): 7. Mar. 1944. 424.8 W525

20153 BETTS, A. D., Jr. Old combs. *Bee World* 25: 18-19. Mar. 1944. 424.8 B399

Do cells grow smaller after many generations of bees have been reared in them?

20154 \*BICHSEL, GOTTFR. Fehljahr und zucker-rationierung sind gute lehrmeister. *Schweiz. Bienen Ztg.* 66: 423-427. Oct. 1943. 424.8 Sch9

20155 BLACK, A. B. Helping the honey bee. *Oreg. Dept. Agr. Agr. Bul.* 141, p. 17-18. Mar. 1, 1944. 2 Or3

20156 \*BORAWSKI. Was ich während der standbegehung erlebt und gesehen habe. *Preuss. Bienen Ztg.* 89: 89. Nov. 1943. 424.8 P92

20157 \*BRANDT, L. Meine erfahrungen mit "rasse und umweiselung." *Imkerpraxis* 65: 73-74. Aug. 1943. 424.8 B34

Believes bees of a given stock do not accept queen from another race.

20158 BRAUN, ED. Mild weather depletes stores. *West. Canada Beekeeper* 7(3): 6. Mar. 1944. 424.8 W525

20159 BRAZELTON, J. S. Bees fight our war. *Mo. Ruralist* 85(5): 7. Mar. 11, 1944. 6 R8891

20160 BROWN, A. T. The Canadian Beekeeping Council. *Gleanings Bee Cult.* 72: 138-139, 172. Apr. 1944. 424.8 G47

20161 \*BRUNNICH, F. Zum erntebericht pro 1943. *Schweiz. Bienen Ztg.* 66: 466-467. Nov. 1943. 424.8 Sch9

20162 \*BURNUSS, GEORG. Erfahrungen und folgen. *Preuss. Bienen Ztg.* 89: 83-85. Nov. 1943. 424.8 P92

Effect of a bad year on beekeeping.

20163 BURR, LESLIE. Moving bees without screening. *Gleanings Bee Cult.* 72: 140. Apr. 1944. 424.8 G47

20164 \*BURRI, R. Auf den spuren des sauerbruträtsels. *Schweiz. Bienen Ztg.* 66: 474-477. Nov. 1943. 424.8 Sch9

European foulbrood problems.

20165 CAMPO, F. DEL. La apicultura y nuestros bosques naturales. *Unión Agr. del Sur* 2(9): 38. Jan. 1944. 9.3 Un3

20166 \*CARIUS-GRUNHAUS. Meine betriebsweise im runden Kanitz. *Preuss. Bienen Ztg.* 89: 59-60. Sept. 1943. 424.8 P92

Management of Kanitz beehive, a skep type.

20167 CARON, ROCH. Ma méthode d'élevage de reines. *Abeille et l'Érable* 13: 12, 24, 35-36. Jan.-Mar. 1944. 424.8 Ab32

20168 \*CASTELBERG, PL. VON. Die besondern aufgaben des präsidenten einer romanischen gebirgssektion. *Schweiz. Bienen Ztg.* 66: 383-386. Sept. 1943. 424.8 Sch9

20169 CHERCUTTE, V. Fin de l'hivernement. *Abeille et l'Érable* 13: 33. Mar. 1944. 424.8 Ab32  
The most critical period for bees wintered in a cellar is March and April.

20170 CHERIAN, M. C., and RAMACHANDRAN, S. Bee enemies. *Indian Farming* 4: 251-253. May 1943. 22 In283

Includes discussion of *Camponotus compressus*, *Vespa cincta*, *Palorus orientalis*, *Philaenus ramakrishnae*, *Acherontia styx*, *Achroia grisella*.

20171 CLARK, HAYWOOD. Have you fed your bees [*Apis mellifera*] ? *Farmers Fed. News* 24(7): 17. Mar. 1944. 280.28 F225

20172 \*DACHSEL, O. Über das zusetzen in der bautraube. *Deut. Bienenwirtsch.* 1: 116. Nov. 1943. 424.8 D487

Gadget used for introducing queens.

20173 \*DITTES, HUGO. Drohnenwaben im honigraum? *Preuss. Bienen Ztg.* 89: 36. June 1943. 424.8 P92

Points out disadvantages of drone comb in supers.

20174 \*DITTES, HUGO. Fehler beim schleudern. *Preuss. Bienen Ztg.* 89: 47. July 1943. 424.8 P92

20175 \*DITTES, HUGO. Die grenze höchsten ertrages in der volksstärke. *Preuss. Bienen Ztg.* 89: 88-89. Nov. 1943. 424.8 P92

20176 \*DITTES, HUGO. Kleinigkeiten, die keine sind. *Preuss. Bienen Ztg.* 89: 78-79. Oct. 1943. 424.8 P92

Management of colonies.

20177 \*DITTES, HUGO. Was war hier los? *Preuss. Bienen Ztg.* 89: 63. Sept. 1943. 424.8 P92  
Reasons for queenlessness.

20178 EMELLEN, AMARO VAN. Consultório do criador de abelhas [*Apis mellifera*]. *Chacaras e Quintais* 69: 51-54. Jan. 1944. 9.2 C34

20179 \*ENZLER, KORNELIUS. Buntes allerlei. *Imkerpraxis* 65: 7-8. Apr. 1943. 424.8 B34  
Honey, May sickness, drone brood, queens, etc.



- 20180 FEED bees candy in winter and spring. Dakota Farmer 64: 106. Mar. 4, 1944. 6 D14
- 20181 \*FISCHER, JOHANN. Bauernwald und bienenweide. Imkerpraxis 65: 108-109. Oct. 1943. 424.8 B34  
Farm wood lot as a bee pasture.
- 20182 \*FISCHLEIN, K. Meine königinnenzucht. Deut. Bienenwirtsch. 1: 52-54. July 1943. 424.8 D487
- 20183 \*FREUDENSTEIN, K. Von landwirtschaft und bienenzucht im Osten. Deut. Bienenwirtsch. 1: 51-52. July 1943. 424.8 D487  
Soldier comments on bee culture in U. S. S. R.
- 20184 \*FRISCH, K. VON. Die werbetänze der bienen und ihre auslösung. Naturwissenschaften 30: 269-277. May 8, 1942. 474 N213  
By means of the communication dance an individual worker directs the entire colony to a source of nectar.
- 20185 \*FRITSCH, ALFONS. Um die soja-fütterung. Deut. Bienenwirtsch. 1: 10. Apr. 1943. 424.8 D487  
Feeding soy flour to bees as a pollen substitute.
- 20186 \*GOLLWITZER, L. Zuchtarbeit! Imkerpraxis 65: 24-25. May 1943. 424.8 B34  
Spring management and queen rearing.
- 20187 \*GONTARSKI, HUGO. Was vermag eine sammelbiene zu leisten? Imkerpraxis 65: 110-111. Oct. 1943. 424.8 B34  
How bee brings in nectar and honey.
- 20188 GOODERHAM, C. B. Don't unpack too soon. West. Canada Beekeeper 7(3): 7. Mar. 1944. 484.8 W525  
French text in Abeille et l'Érable 13: 33-34. Mar. 1944. 424.8 Ab32  
Warns against unpacking bees too early in spring.
- 20189 GOODERHAM, C. B. Quelques entraves à la production maximum des colonies. Abeille et l'Érable 13: 22-23, 34-35. Feb., Mar. 1944. 424.8 Ab32  
Points out causes for colonies not producing maximum amount of honey.
- 20190 \*GORBACH, GEORG. Was der praktische imker vom "lärchenhonig" wissen muss. (To be cont.) Imkerpraxis 65: 119-125. Nov. 1943. 424.8 B34  
Difficulties in extracting larch honey.
- 20191 \*GREINER, E. Meine betriebsweise. Imkerpraxis 65: 90-91; 103-105; 125-126. Sept., Oct., Nov. 1943. 424.8 B34  
Seasonal management, harvesting and extraction of honey, feeding bees, etc.
- 20192 \*GREMLING, FERD. Bienenkrankheiten und bienennahrung. Moselländ. Bienen Ztg. 58: 50-51. Apr. 1943. 424.8 L97  
Poor food predisposes to disease.
- 20193 \*GSCHIEDLEN. Wir verhält sich der schwarm zum lärmton? Deut. Bienenwirtsch. 1: 81-82. Sept. 1943. 424.8 D487  
Tone of swarms different from that of normal flying bees.
- 20194 \*GUBIN, A. Iz opyta raboty na paseke [Experimental work in an apiary]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 24-25. May/June 1943. 281.8 K83
- 20195 \*GUGG, L. Eine königin verfliegt sich. Imkerpraxis 65: 74. Aug. 1943. 424.8 B34  
Recommends marking queens.
- 20196 \*GUIDO. Farbenfreiheit in der Zucht. Deut. Bienenwirtsch. 1: 25-26. May 1943. 424.8 D487
- 20197 \*GUIDO. Mein neues zuchtverfahren. Deut. Bienenwirtsch. 1: 37-38. June 1943. 424.8 D487  
Uniting colonies; taking queen cells from colony and placing in nuclei.
- 20198 \*GUIDO. Pollen-ersatz. Deut. Bienenwirtsch. 1: 20-21. May 1943. 424.8 D487
- 20199 \*GYGLI, K. Zur bekämpfung der sauerbrut. Schweiz. Bienen Ztg. 66: 371-375. Sept. 1943. 424.8 Sch9  
Control of European foulbrood.
- 20200 \*HAMMER, OLE. Biavlén og den kemiske skadedyrebekæmpelse [Beekeeping and chemical pest control]. Ugeskr. for Landmaend 88: 895-898. Dec. 24, 1943. 11 Ug3  
Discusses insecticidal injury and states that Swiss and German chemical industries have produced several products effective against insect pests but harmless to bees.
- 20201 HANDLEY, A. N. Bees among the flowers. Bee World 25: 19-20. Mar. 1944. 424.8 B399
- 20202 \*HARNEY, WILH. Mehr wachs. Deut. Bienenwirtsch. 1: 42. June 1943. 424.8 D487  
Urges production of more beeswax.
- 20203 \*HARNEY, WILH. Das sogenannte Köhler'sche geheimnis. Deut. Bienenwirtsch. 1: 41-42. June 1943. 424.8 D487  
Method for controlled mating.
- 20204 \*HARNEY, WILH. Standbeute oder besondere ablegerkasten zur unterbringung der reservölker? Deut. Bienenwirtsch. 1: 8-9. Apr. 1943. 424.8 D487
- 20205 \*HEIDERMAN, K. Heidewanderung 1943. Deut. Bienenwirtsch. 1: 67-68. Aug. 1943. 424.8 D487  
Migratory beekeeping.
- 20206 \*HEIDERMAN, K. Wanderung 1943, ein rückblick. Deut. Bienenwirtsch. 1: 118-119. Nov. 1943. 424.8 D487  
Migratory beekeeping in 1943.
- 20207 \*HEIDERMAN, OBWA. Aus der versuchs- und beispielegärtnerei der landesbauernschaft Niedersachsen. Imkerpraxis 65: 27. May 1943. 424.8 B34  
Demonstration of value of bees working rape.
- 20208 \*HEISBURG, MATH. Zusatzverfahren von königinnen mit tabakrauch. Moselländ. Bienen Ztg. 58: 132-133. Sept. 1943. 424.8 L97  
Use of tobacco smoke in queen manipulations.
- 20209 \*HERBOLSHEIMER, ANDREAS. Reservölker schon im herbst in die standölker geben! Imkerpraxis 65: 68. Aug. 1943. 424.8 B34  
Use of reserve colonies in fall to build up weak colonies.
- 20210 \*HERBOLSHEIMER, ANDREAS. Wie wir wärmekissen herstellen. Imkerpraxis 65: 101. Oct. 1943. 424.8 B34  
How to prepare quilts to control temperature of hive.
- 20211 \*HEROLD. Was bringt die linde? Bayer. Biene 64: 172-173. Nov. 1942. 424.8 B34  
Linden as a honey plant.
- 20212 \*HILGER, R. B. Drei monate in Mistelbach bei Guido Sklenar. Moselländ. Bienen Ztg. 58: 148-149. Oct. 1943. 424.8 L97  
Describes apicultural practices of Guido Sklenar.
- 20213 \*HIMMER, A. Bienenzucht. Forschungsdienst, Sonderheft 16, p. 609-614. Berlin, 1942. 18 F772
- 20214 \*HOFBAUER, HANS. Wahlzucht. Imkerpraxis 65: 70-72. Aug. 1943. 424.8 B34  
Selective breeding.
- 20215 \*HONIG, F. Was der imker von der bienenweide wissen muss. Bayer. Biene 64: 186. Dec. 1942. 424.8 B34
- 20216 HOOPIER, MRS. M. M. A successful experiment in education. Bee World 25: 10-11. Feb. 1944. 424.8 B399  
Cites interest in apiary in garden plot demonstrations at Roth Park, Cardiff.



- 20217 \*HUBERTY, MATH. Flugbienenverluste im April. Moselländ. Bienen Ztg. 58: 51-52. Apr. 1943. 424.8 L97  
Because of cold wind bees become chilled and are unable to return to hive.
- 20218 \*HUTTER, RUDOLF. Ein empfehlenswertes räuchermittel für die Imkerpfeife. Imkerpraxis 65: 73. Aug. 1943. 424.8 B34  
Material for smoking bees. Uses rotten wood.
- 20219 \*HUTTER, RUDOLF. Wie bleibt das innere der Beute über winter trocken? Imkerpraxis 65: 99-100. Oct. 1943. 424.8 B34  
How the inside of hive stays dry over winter.
- 20220 \*HUTTER, RUDOLF. Wie entsteht die stock-nässe? Imkerpraxis 65: 87-89. Sept. 1943. 424.8 B34  
Explains condensation of water because of bee metabolism.
- 20221 \*IVERSEN, K. Pas paa honningbierne. Dansk Frøavl 26: 174-175. June 15, 1943. 61.8 D23  
Dusting with Cryocid against clover weevils (Apion spp.) should be done before the plants flower.
- 20222 JACQUELIN. La reine est folle sus à la reine! Abeille et l'Érable 13: 10-11. Jan. 1944. 424.8 Ab32  
Concerns the mating flight.
- 20223 JACQUAYS, W. M. Get more honey per colony. Beekeepers' Mag. 6(9): 9. Apr. 1943. 424.8 M58
- 20224 \*JIRENEC, LEOPOLD. Kleinigkeiten aus der praxis. Imkerpraxis 65: 105-107. Oct. 1943. 424.8 B34  
Swarming.
- 20225 JOHNSON, J. E. Sixty years with bees and fruit. Gleanings Bee Cult. 72: 130-131, 174. Apr. 1944. 424.8 G47
- 20226 \*KICKHOFFEL. Der krieg erfasst alle und alles. Deut. Bienenwirtsch. 1: 3. Apr. 1943. 424.8 D487  
Role of the beekeeper in total war.
- 20227 KINARD, W. P. More bee trees. Gleanings Bee Cult. 72: 137. Apr. 1944. 424.8 G47  
Bee colonies in tree stumps.
- 20228 \*KLOS. Zur heidenwanderung. Preuss. Bienen Ztg. 89: 90-91. Nov. 1943. 424.8 P92  
Migratory beekeeping.
- 20229 KNOWLTON, G. F. Bee losses and Utah agriculture. Farm and Home Sci. 5(1): 3, 11. Mar. 1944. 100 UtlF  
Insecticidal injury.
- 20230 \*KOBEL, F. Trachtfagen und beobachtungsstationen. Schweiz. Bienen Ztg. 66: 428-432. Oct. 1943. 424.8 Sch9  
Relation of location and type of flora to bee-keeping practices.
- 20231 \*KOELSCH, ADOLF. Der bienenwolf (Phlaenus triangulum) und sein opfer. Preuss. Bienen Ztg. 89: 86-88. Nov. 1943. 424.8 P92
- 20232 \*KYBURZ, G. Ursachen der honigfehljahre im Suhrental. Schweiz. Bienen Ztg. 66: 468-469. Nov. 1943. 424.8 Sch9
- 20233 \*LANGER, RICHARD. Was streiten sich die leut'herum... Deut. Bienenwirtsch. 1: 7-8. Apr. 1943. 424.8 D487  
Refers to disputes over beekeeping practices.
- 20234 LANGLEY, C. G. Bees are so nice to come back to. Amer. Bee Jour. 84: 119, 123. Apr. 1944. 424.8 Am3  
Tells of satisfaction in keeping bees.
- 20235 \*LAUER, FRITZ. Mein zweivolkbetrieb. Imkerpraxis 65: 68-69. Aug. 1943. 424.8 B34  
Two colonies in one hive, separated by board.
- 20236 LEAL, ALBERTO. "...O medico lhe dissera que era preciso evitar as abelhas, porque as picadas das mesmas as vezes podem... ser fatais. Sera verdade?" Chacaras e Quintais 69: 83-84. Jan. 1944. 9.2 C34
- 20237 \*LEHMANN, A. Der bienenzucker im jahre 1943. Bericht an der delegiertenversammlung des V.D.S.B. vom 22. August 1943 in Zürich. Schweiz. Bienen Ztg. 66: 416-418. Oct. 1943. 424.8 Sch9
- 20238 \*LEHMANN, A. Reiche pollenvorräte bei der einwinterung. Schweiz. Bienen Ztg. 66: 467. Nov. 1943. 424.8 Sch9
- 20239 \*LEIN, FRITZ. Und noch weiterer nutzen der hecken. Bayer. Biene 64: 186-187. Dec. 1942. 424.8 B34  
More about hedge rows for bee pasture.
- 20240 LE MAISTRE, W. G. Handling package bees in Alberta. Gleanings Bee Cult. 72: 121-124. Apr. 1944. 424.8 G47
- 20241 \*LUDWIG, AUGUST. Anthropomorphismus. Deut. Bienenwirtsch. 1: 24-25. May 1943. 424.8 D487
- 20242 \*LUDWIG, AUGUST. Drohnenbrütigkeit. Deut. Bienenwirtsch. 1: 40-41. June 1943. 424.8 D487  
Explanation of heredity of drone. Comes from unfertilized egg; old queens become drone layers.
- 20243 \*LUDWIG, AUGUST. Künstliches gewitter beim schwarmfang. Deut. Bienenwirtsch. 1: 116-117. Nov. 1943. 424.8 D487  
Recommends artificial storm to catch swarms; sprinkle with water.
- 20244 \*LUDWIG, AUGUST. Räuberei. Deut. Bienenwirtsch. 1: 87-88. Sept. 1943. 424.8 D487
- 20245 \*LUDWIG, AUGUST. Starke völker. Deut. Bienenwirtsch. 1: 6-7. Apr. 1943. 424.8 D487
- 20246 \*LUDWIG, AUGUST. Der "Thüringer bienenbaron" August Freiherr von Berlepsch auf Seebach. Ein gedenkblatt zu seinem 125. Geburtstage. Deut. Bienenwirtsch. 1: 54-55. July 1943. 424.8 D487
- 20247 \*LUDWIG, AUGUST. Verwendung der bienen aus den einwabenkasten. Deut. Bienenwirtsch. 1: 38-39. June 1943. 424.8 D487  
Manipulation of bees in queen-rearing nucleus.
- 20248 \*LUDWIG, AUGUST. Vorsichtige beweisung. Deut. Bienenwirtsch. 1: 96-98. Oct. 1943. 424.8 D487  
Requeening.
- 20249 \*LUDWIG, AUGUST. Wohin mit der mittelwand? Deut. Bienenwirtsch. 1: 19-20. May 1943. 424.8 D487
- 20250 \*LUKAT. Bienensommer 1943. Preuss. Bienen Ztg. 89: 75-77. Oct. 1943. 424.8 P92  
Weather and its effect on bees.
- 20251 LYLE, N. L. Shallow frame comb honey production; swarm control and the manipulation of supers. (Cont.) Amer. Bee Jour. 84: 120-121. Apr. 1944. 424.8 Am3
- 20252 MAHUZIER M., SILVESTRE. La industria apicola. Union Agr. del Sur 2(9): 37. Jan. 1944. 9.3 Un3
- 20253 \*MAIBACH, E. Vom korb zum kasten. Schweiz. Bienen Ztg. 66: 470-473. Nov. 1943. 424.8 Sch9  
Illustrations show relation of skeps to early types of box hives.
- 20254 \*MAIER, K. Auswinterung 1943. Deut. Bienenwirtsch. 1: 10. Apr. 1943. 424.8 D487
- 20255 \*MAIER, K. Professor Dr. Zander 70 jahre alt. Deut. Bienenwirtsch. 1: 34. June 1943. 424.8 D487
- 20256 \*MAIER, K. Schwärmen im Mai. Deut. Bienenwirtsch. 1: 28. May 1943. 424.8 D487



- 20257 \*MAIER, KARL. Professor Dr. Zander erhielt die Goethe-medaille. Deut. Bienenwirtsch. 1: 63-65. Aug. 1943. 424.8 D487  
Honoring Dr. Zander, presentation of Goethe medal.
- 20258 \*MAIER, KARL. Unser weg zur besten biene. Deut. Bienenwirtsch. 1: 129-130. Dec. 1943. 424.8 D487  
Queen rearing, heart of all beekeeping.
- 20259 \*MAURIZIO, A. Bienenschäden während der lindentracht. Schweiz. Bienen Ztg. 66: 376-380. Sept. 1943. 424.8 Sch9  
Bees which work exclusively on lime [Tilia spp.] blossoms suffer from "linden disease." English review in Bee World 25: 6-7. Jan. 1944. 424.8 B399
- 20260 MEDICI, MIGUEL. Alimentación artificial de las abejas. Campo [Buenos Aires] 28(325): 32-33. 64. Nov. 1943. 9 C15
- 20261 \*MEIERHOFER, EUGEN. Delegiertenversammlung des V.D.S.B. vom 22. August 1943, 10 uhr, im Kongresshaus Zürich. Schweiz. Bienen Ztg. 66: 405-414. Oct. 1943. 424.8 Sch9
- 20262 \*MEIERHOFER, EUGEN. Die neuen imkerpostkarten des VDSB. Schweiz. Bienen Ztg. 66: 370-371. Sept. 1943. 424.8 Sch9  
Photographs of honey plants, fruit trees in bloom, beehouses, and other beekeeping subjects.
- 20263 \*MEIERHOFER, EUGEN. Organisation des züchtens im verein. Schweiz. Bienen Ztg. 66: 386-388. Sept. 1943. 424.8 Sch9
- 20264 \*MEISNER. Das fermentieren von selbstgebaute tabak. Imkerpraxis 65: 93-94. Sept. 1943. 424.8 B34  
Home curing of tobacco. Use of tobacco in bee smokers.
- 20265 MILES, C. B. Removing bees from the cellar. Amer. Bee Jour. 84: 124. Apr. 1944. 424.8 Am3
- 20266 \*MILOTA, FR. Darf man die bienen der begattungskästchen mehrmals verwenden? Imkerpraxis 65: 41-43. June 1943. 424.8 B34  
Using same colony for mating more than one queen.
- 20267 \*MOHRLEIN, HANS. Hie imker, hie bienen. Imkerpraxis 65: 126-128. Nov. 1943. 424.8 B34  
Experiences with supersedure of queens.
- 20268 MOLINO, VICENTE. Estadísticas apícolas. Rev. de Apic. 20: 2-3. 20. Jan. 1944. 424.8 R3P5
- 20269 \*MOLLENHAUER. Mein beinenhaus mit angebautem ostflügel als volksbienenhau. Preuss. Biener Ztg. 89: 53-54. Aug. 1943. 424.8 P92
- 20270 MORSE, G. D. Is the labor shortage giving you trouble? What can you do about it? Gleanings Bee Cult. 72: 134-135. Apr. 1944. 424.8 G47
- 20271 \*MÜLLER, ERWIN. Ein neues lösmittel für mittelwände. Imkerpraxis 65: 23-24. May 1943. 424.8 B34  
A new solvent for mid rib in making comb foundation. Cannot use alcohol because of the war.
- 20272 \*NEUNER, GEORG. Getrennt marschieren, vereint schlagen! Imkerpraxis 65: 20-22. May 1943. 424.8 B34  
Adapting practices to region.
- 20273 \*NEUNER, GEORG. "Die heide versagt nie!" Imkerpraxis 65: 76-77. Aug. 1943. 424.8 B34  
The heath never fails [as a source of nectar for bees].
- 20274 \*NEUNER, GEORG. Die macht der gemeinschaft. Imkerpraxis 65: 65-66. Aug. 1943. 424.8 B34
- 20275 \*NEUNER, GEORG. Schleudert rechtzeitig! Imkerpraxis 65: 35-36. June 1943. 424.8 B34
- 20276 \*NEUNER, GEORG. Die 6 kilo zucker müssen reichen! Imkerpraxis 65: 85-87. Sept. 1943. 424.8 B34  
Sugar rationing.
- 20277 NEWELL, R. L. Shall we let our best colonies starve? Amer. Bee Jour. 84: 124. Apr. 1944. 424.8 Am3
- 20278 \*NOLD, R. Was eine weiselzelle verträgt? Imkerpraxis 65: 74-76. Aug. 1943. 424.8 B34  
Development of a queen.
- 20279 \*NORD, DW. Der königinnenprüfstand. Preuss. Bienen Ztg. 89: 80-80A. Oct. 1943. 424.8 P92
- 20280 \*NORD, DW. Stille räuberei. Preuss. Bienen Ztg. 89: 89-90. Nov. 1943. 424.8 P92  
Robber bees rob returning bees before they reach hive.
- 20281 \*NORD, DW. Vom schwärmen, ein für und wider. Preuss. Bienen Ztg. 89: 48-48A. July 1943. 424.8 P92
- 20282 PERRRET-MAISONNEUVE, A. L'apiculture intensive et l'élevage des reines. (Cont.) Campo y Arados 7(82): 26. Dec. 1943. 9.9 C152
- 20283 PESCHETZ, HANS. Wie setze ich meine königinnen zu? Imkerpraxis 65: 8-9. Apr. 1943. 424.8 B34  
How to introduce queens.
- 20284 \*PORSCH. Zur schwärmeri. Preuss. Bienen Ztg. 89: 66-69. Sept. 1943. 424.8 P92
- 20285 RAHMLow, H. J. What can we do about Nosema? Amer. Bee Jour. 84: 122-123. Apr. 1944. 424.8 Am3
- 20286 \*RENTSCHLER, H. Die imkerei im fünften kriegsjahr. Landesbauernschaft Württemb. Wchnbl. 110: 585. Oct. 23, 1943. 18 W96
- 20287 ROBINSON, EDWARD. Stop robbing in your yard. West. Canada Beekeeper 7(3): 6. Mar. 1944. 424.8 W525
- 20288 \*ROGGE, FRITZ. Bringt bienen [Apis mellifera] an blühenden raps. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 216. Apr. 10, 1943. 18 Sa9
- 20289 ROLDAN ROBAINA, SAMUEL. Guide su equipo apícola. Agr. Venezolano 8(89/90): 36-38. Sept./Oct. 1943. 9.95 Ag8
- 20290 ROOT, E. R. Pollen substitutes heralding a possible new era. Gleanings Bee Cult. 72: 143-144. Apr. 1944. 424.8 G47
- 20291 RUDIN, JUAN. La miel de abejas. Rev. de Agr. [Costa Rica] 15: 465-466. Oct. 1943. 8 Esl
- 20292 \*RUPPERT, EUGEN. Begattungsvölkchen und ihre pflege. Moselländ. Bienen Ztg. 58: 104-105. July 1943. 424.8 L97  
Mating nuclei and their care; queen rearing.
- 20293 \*RUPPERT, EUGEN. Grundsätzliches zur anlage eines bienenstandes. Moselländ. Bienen Ztg. 58: 146-147. Oct. 1943. 424.8 L97  
Deals mostly with equipment.
- 20294 \*RUPPERT, EUGEN. Künstliche weiselzucht. Moselländ. Bienen Ztg. 58: 81-85. June 1943. 424.8 L97  
Queen rearing.
- 20295 \*RUPPERT, EUGEN. Nachschaffungszucht. Moselländ. Bienen Ztg. 58: 52-54. Apr. 1943. 424.8 L97  
Describes queen rearing from cells originally worker cells.
- 20296 \*RUPPERT, EUGEN. Schwarm im April. (Selten, aber wahr.) Moselländ. Bienen Ztg. 58: 80. June 1943. 424.8 L97



- 20297 \*RUPPERT, EUGEN. Über das verstellen von bienenvölkern. Moselländ. Bienen Ztg. 58: 164. Nov. 1943. 424.8 L97  
Advises against moving colonies in middle of the day when bees are in the field.
- 20298 \*RUPPERT, EUGEN. Umgang mit königinnen. Moselländ. Bienen Ztg. 58: 134-135. Sept. 1943. 424.8 L97  
Queen rearing manipulations.
- 20299 \*RUPPERT, EUGEN. Urteile nicht zu früh! Moselländ. Bienen Ztg. 58: 99-100. June 1943. 424.8 L97  
Do not decide too early that colony is queenless.
- 20300 \*RUPPERT, EUGEN. Was soll das heissen? Moselländ. Bienen Ztg. 58: 49-50. Apr. 1943. 424.8 L97  
Colonies established from sister queens; one colony outstanding. Why?
- 20301 \*SAUER, FRIEDR. Wie soll das pflegevolk beschaffen sein? Imkerpraxis 65: 26-27. May 1943. 424.8 B34  
Nurse colony [nuclei] for rearing queens.
- 20302 \*SCHILLER, JOSEF. Über die temperaturen und das temperaturregulierungsvermögen der einzelbienen und der bienenvölker. (To be cont.) Imkerpraxis 65: 10-11; 22-23; 45. Apr., May, June, 1943. 424.8 B34
- 20303 \*SCHMIDT, BENNO. Alte deutsche zieldergebiete. Preuss. Bienen Ztg. 89: 60-61. Sept. 1943. 424.8 P92
- 20304 \*SCHMIDT, H. Ein vorschlag zur rettung der herrenlosen schwärme. Deut. Bienenwirtsch. 1: 68-69. Aug. 1943. 424.8 D487  
Proposes appointment of one person to gather stray swarms.
- 20305 \*SCHMIDT, HEINRICH. Woher kommen die vielen schwärme und wo bleiben sie? Deut. Bienenwirtsch. 1: 21-23. May 1943. 424.8 D487
- 20306 \*SCHMOLL, J. Die lärche honigte. Imkerpraxis 65: 89-90. Sept. 1943. 424.8 B34  
Larch honey.
- 20307 \*SCHWEIER, J. Mein doppelvolkbetrieb. Imkerpraxis 65: 101-102. Oct. 1943. 424.8 B34  
Twin colony management.
- 20308 \*SCHWEIZERISCHES BAUERNSEKRETARIAT. ABTEILUNG FÜR RENTABILITÄTSERHEBUNGEN. Die rentabilität der bienenzucht im jahre 1942; mitteilung... August 1943. Schweiz. Bienen Ztg. 66: 419-422. Oct. 1943. 424.8 Sch9
- 20309 \*SEYFANG, WILHELM. Luftkreislauf und wärmeverhältnisse im bienenstock. Deut. Bienenwirtsch. 1: 99-102. Oct. 1943. 424.8 D487  
Air circulation and temperature within the hive.
- 20310 \*SEYFANG, WILHELM. Selbstanfertigung eines elektrischen mittelwandelers. Deut. Bienenwirtsch. 1: 82-84. Sept. 1943. 424.8 D487  
Homemade electrical foundation embedder.
- 20311 SHAW, F. R., and BOURNE, A. I. The effects of some insecticidal and fungicidal dusts on bees. Gleanings Bee Cult. 72: 125. Apr. 1944. 424.8 G47
- 20312 \*SICHERT bienen [Apis mellifera], vor giftigen pflanzenschutzmitteln. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 216. Apr. 10, 1943. 18 Sa9
- 20313 \*SKLENAR, GUIDO. Honigablieferung. Deut. Bienenwirtsch. 1: 113-114. Nov. 1943. 424.8 D487  
Yield of honey under conditions of last year.
- 20314 \*SKLENAR, GUIDO. Reinzucht und urzucht. Deut. Bienenwirtsch. 1: 81. Sept. 1943. 424.8 D487  
Suggests rearing queens from colonies tested over period of years.
- 20315 \*SKLENAR, GUIDO. Zuchterfolg. Deut. Bienenwirtsch. 1: 98-99. Oct. 1943. 424.8 D487  
Breeding queen bees.
- 20316 \*STENTZEL. Wanderung in den buchweizen 1942. Preuss. Bienen Ztg. 89: 32-33. June 1943. 424.8 P92  
Migratory beekeeping in buckwheat region in 1942.
- 20317 \*STRAUSSBERGER, W. Wachsverbraucher? - Nein, wachserzeuger! Imkerpraxis 65: 9-10. Apr. 1943. 424.8 B34  
Beekeeper should produce more wax for industrial purposes.
- 20318 STRICKER, M. H. Back to the bees. Amer. Bee Jour. 84: 121-122. Apr. 1944. 424.8 Am3  
Tells of pleasure in getting back to bee work after a winter of working at something else.
- 20319 \*TAUBALD, GG. Wie verwerte ich schwarmzellen? Imkerpraxis 65: 36-38. June 1943. 424.8 B34  
How to utilize queen cells.
- 20320 TAYLOR, J. A. Good brood raising. West. Canada Beekeeper 7(3): 8. Mar. 1944. 424.8 W525
- 20321 TINSLEY, JOSEPH. Experimental work in the production of heather honey. West of Scot. Agr. Col. Bul. 144, 12 p. Glasgow, 1943. 103 G46W
- 20322 TINSLEY, JOSEPH. Heather honey production in shallow combs. Scot. Farmer 52: 391. Feb. 26, 1944. 10 Sco8
- 20323 U. S. BUREAU OF AGRICULTURAL ECONOMICS. Shipments of package bees - 1943. Gleanings Bee Cult. 72: 129. Apr. 1944. 424.8 G47
- 20324 \*WÄHNER, ERICH. Königinnen von weither. Deut. Bienenwirtsch. 1: 11-12. Apr. 1943. 424.8 D487
- 20325 WAKEFIELD, J. F. A brief review of bee losses in Utah. Gleanings Bee Cult. 72: 164-165. 173. Apr. 1944. 424.8 G47  
Insecticidal injury.
- 20326 WALSH, R. S. Seasonal work for beekeepers. Final extraction. New Zeal. Jour. Agr. 68: 143. Feb. 15, 1944. 23 N48J
- 20327 WEDMORE, E. B. Saving wax in war-time. Bee World 25: 22. Mar. 1944. 424.8 B399
- 20328 \*WELLSTEIN, C. Auffallende einzelleistungen: zuchterfolg? Deut. Bienenwirtsch. 1: 128-129. Dec. 1943. 424.8 D487  
Queen rearing.
- 20329 \*WELLSTEIN, CARL. Farbenfreiheit in der zucht. Deut. Bienenwirtsch. 1: 55-56. July 1943. 424.8 D487  
Inheritance of color.
- 20330 \*WERMTER, ARTUR. Zum aufsatz "Der kunstvolle wabenbau" im Juli-heft 1943. Preuss. Bienen Ztg. 89: 64. Sept. 1943. 424.8 P92
- 20331 WHITEHEAD, S. B. The genesis of a bee colony. Field 183: 48. Jan. 8, 1944. 10 F45
- 20332 WHITEHEAD, S. B. Wintering bees. Field 183: 258. Mar. 4, 1944. 10 F45
- 20333 \*WIESE, EMIL. Zum runden Kanitz. Preuss. Bienen Ztg. 89: 79-80. Oct. 1943. 424.8 P92  
The round Kanitz hive, a skep type.
- 20334 \*WOHLGEMUTH, E. Das zusetzen von königinnen in der bautraube. Deut. Bienenwirtsch. 1: 132-134. Dec. 1943. 424.8 D487  
Introducing queens.
- 20335 \*ZANDER, ENOCH. Kriegsbedingtes züchten. Deut. Bienenwirtsch. 1: 79-81. Sept. 1943. 424.8 D487  
With care queens can be reared in wartime.
- 20336 \*ZANDER, ENOCH. Sorgt für spätracht. Deut. Bienenwirtsch. 1: 95-96. Oct. 1943. 424.8 D487  
Recommends the provision of late-blooming pollen plants for rearing colonies.



20337 \*ZEEB, THEODOR. Muss das so sein? Deut. Bienenwirtsch. 1: 43-44. June 1943. 424.8 D487  
Yields of 60, 80 and 100 pounds of honey per colony are still possible.

20338 \*ZUTHER, OTTO. Der kunstvolle wabenbau. Preuss. Bienen Ztg. 89: 41-42. July 1943. 424.8 P92

Why bees build six-sided cells in combs.

See also Honey and Beeswax in Agricultural Products section.

#### ARACHNIDA, MYRIAPODA, ETC.

20339 ANDERSON, A. B. Conservação de queijos. Chacaras e Quintais 69: 55. Jan. 1944. 9.2 C34  
Control of Acarus siro.

20340 BAÑOS garrapaticidas para la inyección de garrapatas [*Boophilus annulatus*]. Rev. de Agr. y Com. [Panama] 3(28): 30-33. Dec. 1943. 8 R3291

20341 BLATTNER, R. J., and HEYS, F. M. Blood-sucking vectors of encephalitis: experimental transmission of St. Louis encephalitis (Hubbard strain) to white Swiss mice by the American dog tick, *Dermacentor variabilis* Say. Jour. Expt. Med. 79: 439-454. Apr. 1, 1944. Ref. 448.8 J822

With technical assistance of M. B. McDonald.

20342 BLOXSOM, ALLAN, and CHANDLER, A. C. Transient paralysis due to bite of American dog tick (*Dermacentor variabilis* Say). Amer. Jour. Dis. Children 67: 126-127. Feb. 1944. 448.8 Am38

20343 [BOSWELL, RALPH.] Controlling mites in dry weather. New spray material suggested by state authorities for infested trees wilting in drought. Citrus Mag. 6(9): 12-13. Mar. 1944. 80 C498

Dinitro-o-cyclohexyl phenol for Paratetranychus citri and Tetranychus sexmaculatus.

20344 BRYANT, E. B. Notes on Dictyolathys maculata Banks (Araneae: Dictynidae). Psyche 50: 83-86. Sept./Dec. 1943. 421 P95

20345 CANALS, JOSÉ. Arañas terrícolas. [Thomisoides spp.]. Rev. Geog. Amer. 21: 24-26. Jan. 1944. 475 R322

20346 CHAMBERLIN, R. V. Some centipeds from Georgia. Ent. News 55: 32-35. Feb. 1944. 421 En88  
Includes *Sozibius paurops* n. sp., *Georgibius georgiae* n. g. and n. sp.

20347 ERADICATION of tick [*Boophilus annulatus*] completed as quarantine lifted on 4250 square miles. Southeast. Cattleman 3(8): 6, 31. Feb. 1944. 43.8 F66A

20348 LA GARRAPATA de las gallinas o Argas persicus [i.e. miniatus]. Corrientes, Argentina. Min. de Hacienda e Instr. Pub. Bol. de Agr. y Ganad. 2(17/19): 41-42. July/Sept. 1943. 9 B637

20349 HARDY, ERIC. Nephila silk. Silk Jour. and Rayon World 20: 36-37. Feb. 1944. 304.8 S13  
Urges research on use of spider silk to supplement depleted raw silk supplies.

20350 \*HEIDEMANN, JOACHIM. Über äusseren bau, bestimmung und lebensweise der veterinärmedizinisch wichtigen zecken. Deut. Tierärztl. Wchnschr. 51: 39-40, 78-80. Jan. 16, Feb. 13, 1943. 41.8 D482

20351 HEY, G. L. Fruit tree red spider [Paratetranychus pilosus]; life history and control (3). Fruit Grower, Fruiterer, Florist & Market Gard. 97: 199-200. Mar. 16, 1944. 80 F941

20352 HOFF, C. C. A preliminary study of the Hydracarina of Reelfoot Lake, Tennessee. Tenn. Acad. Sci. Jour. 19: 45-69. Jan. 1944. Ref. 500 T25A

Also in Reelfoot Lake Biol. Sta. Rpt. 8: 45-69. Jan. 1944. Ref. 442.9 R25

20353 LIKIERMAN, J. E. La sarna en los animales domesticos. (To be cont.) Pampa Argentina 17(196): 6; 18(197): 6-7. Dec. 1943, Jan. 1944. 9 F19  
Psoroptes, Sarcoptes, and Chorioptes.

20354 MELLO-LEITÃO, C. DE. Araneologica varia brasiliana. Acad. Bras. de Cien. An. 15: 255-265. Sept. 30, 1943. 516 R473A

New spp. in: Thalerothele; Ischnothele; Lasiadora; Tmesiphantes; Trichopelma; Conopista 2; Ctenus; Polybetes; Zelotes; Akela; Hypaeus; Naubolus 2; Titanattus

20355 METTLER, E. A. J. Consideraciones sobre los baños garrapaticidas arsenicales. Res 12: 15,479-15,480. Jan. 20, 1944. 286.85 R31

Cattle dips.

20356 NESBITT, H. H. J. Three new mites of the subfamily Rhizoglyphinae. Canad. Ent. 76: 21-27. Feb. 1944. 421 C16

Caloglyphus anomalus; Rhizoglyphus rotundatus; Eberhardia (Cosmoglyphus) pedispinifer.

20357 PIZA JOR., S. DE T. A propósito da meiose do Tityus bahiensis. Rev. de Agr. [Brazil] 18: 351-369. Sept./Oct. 1943. Ref. 9.2 R324

20358 QUEVEDO, J. M. (HIJO). Sarna demodectica del perro [Demodex canis]. Campo [Buenos Aires] 28 (325): 28-29. Nov. 1943. 9 C15

20359 RATHSAN, E. W., and MEIRA, M. P. Chaulmoogra-terapia; a sarna demodéctica dos cães e o seu tratamento. Soc. Bras. de Med. Vet. Bol. 12: 247-255. Oct./Dec. 1943. 41.9 Sol4

Use of chaulmoogra oil against Demodex canis.

20360 SCHIAPELLI, R. D. E., and GERSCHMAN, B. S. Arañas argentinas (Ia parte). Mus. Argentino de Cien. Nat. "Bernardino Rivadavia" An. 40: 317-332. July 20, 1942. 516 B86A

New spp. in: Ceropelma; Pycnothelopsis n. g.; Cyriocetes; Petricus; Paracloocnemis n. g.; Tibellus; Tmarus; Laronia; Hahnia.

20361 SCHULZE, PAUL. Die zecke Endopalpiger heoldi P. Sch. als wahrscheinliches tertiärrelikt in Deutschland. Zool. Anz. 143: 253-259. Sept. 30, 1943. 410 Z7

20362 SMITH, RALPH. Mites injurious to western shade and ornamental trees. West. Shade Tree Conf. Proc. 10. In Natl. Shade Tree Conf. Proc. (1943) 19: 57-62. 99.9 N218

20363 SOARES, B. M. Notas sobre opiliões. III-IV. Bol. de Indus. Anim. (n.s.) 6(3): 9-15, 53-58. July 1943. 49 R324

Abstracts in English.

20364 TURK, F. A. Studies of Acari. - 1. The British species of Epiceridae, with descriptions of a new genus and two new species. Ann. and Mag. Nat. Hist. (ser. 11) 10: 855-860. Dec. 1943. 410 An77  
Berlesiana n. g.; Cornubia ornata, n. g. and n. sp.; C. georgii n. n.

20365 VERHOEFF, K. W. Asyanin zoogeografyası ve hayvan sistematigi hakkında. Asiatische beiträg VII. Über land-isopoden aus der Türkei, 2. Aufsatz, 78. isopoden-aufsatz. Istanbul. Univ. Faculté des Sci. Rev. Ser. B: Sci. Nat. 8: 1-29. Jan./Apr. 1943. 475 Is7

20366 VILLAMIL, F. A. A todos los dueños de ganado acogidos al proyecto cooperativo de erradicación de la garrapata [*Boophilus annulatus*] en Puerto Rico. Puerto Rico. Depto. de Agr. y Com. Bol. Mens. 2(11): 13 Nov. 1943. 8 P963

20367 WILDER, V. P. Solpugids are strange spider-like creatures called "children of the earth." Nature Mag. 27: 207-209, 220. Apr. 1944. 409.6 N214

20368 WILSON, S. G. Cattle ticks and their control by dipping in Nyasaland. Nyasaland Agr. Quart. Jour. 3(4): 15-24. Oct. 1943. 24 N983



## COLEOPTERA

- 20369 **ATENÇÃO!!!** Encontra-se já entre nós o escaravelho da batateira ou escaravelho americano *Leptinotarsa decemlineata*; novo e perigoso inimigo da batata. *Gaz. das Aldeias* 48: 386-391. June 30, 1943. 15.5 G25
- 20370 **BENESH, BERNARD.** A new *Dorcus* [D. mexicana], from Mexico (Coleop.: Lucanidae). *Ent. News* 55: 45-47. Feb. 1944. 421 En88
- 20371 **BLACKMAN, M. W.** A new genus and species *Mecopelmus zeteki*, of Coleoptera from Panama. *Wash. Ent. Soc. Proc.* 46: 76-80. Mar. 1944. 420 W27
- 20372 **BLACKWELDER, R. E.** Checklist of the coleopterous insects of Mexico, Central America, the West Indies and South America. Part I. U. S. Natl. Mus. Bul. 185, 188 p. Washington, 1944. 500 Sm65B
- 20373 **BOSQ, J. M.** Notas sobre *Maripanus decoratus* Germain, 1898, y su presencia en la Republica Argentina (Col. Ceramb.). *Soc. Ent. Argentina. Rev.* 12: 132-136. Dec. 1943. 420 Sol4
- 20374 **BRAUER, ALFRED.** Development of *Bruchid* [*Bruchus quadrimaculatus*, 1. e. *Callosobruchus maculatus*, (Coleoptera) eggs after exposure to low temperatures. *Ky. Univ. Res. Club Bul.* 8, p. 5-7. Dec. 1942. 33C.9 K41
- 20375 **\*BRICHET, J.** Cultivateurs, d'amandiers, de pruniers, de cerisiers, d'abricotiers, de pêcheurs, attention au scolyte [*Scolytus rugulosus*]; Fruits et Primeurs de l'Afrique du Nord 13: 54-55. Mar. 1943. 80 F9482
- 20376 **CLISSOLD, E. J.** Communiqué on the Jap beetle [*Popillia japonica*] battle. *Home Gard. [N.Y.]* 3(3): 93-95. Mar. 1943. 80 H756
- 20377 **CLISSOLD, E. J.** Jap beetle [*Popillia japonica*] killer now sold under U. S. patent. *Golf-dom* 18(2): 34, 38. Feb. 1944. 60.18 G58
- Milky disease spore dust.
- 20378 **DUFFY, E. A. J.** *Soronia grisea* L. (Col. Nitidulidae). *Entomologist* 77: 31-32. Feb. 1944. 421 En8
- Heavy infestation found in pile of skins and hides. Usually frequents trees attacked by *Cossus*.
- 20379 **\*ESCALERA, M. M. DE LA.** Datos sobre coleopteros de Ifni y del Sahara Español. I. Una nueva especie de *Eurycaulus* Fairm. del litoral entre C. Jub y C. Bojador. *Eos* 19: 215-221. Oct. 30, 1943. 421 Eo7
- 20380 **\*ESPAÑOL COLL, F.** Misión científica E. Morales Agacino, Ch. Rungs y B. Zolotarevsky a Ifni y Sahara Español. Tenebrionidae (Col.). I.ª parte. *Eos* 19: 119-148. Oct. 30, 1943. 421 Eo7
- New spp. and forms in: *Arthrodeis* 2; *Scaurus* 2; *Pimelia* 2; *Opatrinus*; *Clitobius*; *Cylindronotus*.
- 20381 **\*GÖTZ, BRUNO.** Neue bekämpfungsmittel gegen den himbeerläufer [*Byturidae*]. *Deut. Obstbau* 58: 156-158. Sept. 1943. 80 M73A
- 20382 **HAYWARD, K. J.** El "carbon" de la caña y los insectos. *Indus. Azucarera* 49(603): 17. Jan. 1944. 65.8 In22
- Phalacrus* sp., *Brachytarsus zeae*, *Anthicus albifasciatus* associated with the fungus *Ustilago scitaminea*.
- 20383 **HOCKEN, M. G.** *Cryptophagus acutangulus* Gyll. (Col., Cryptophagidae) on stored honeycomb. *Ent. Monthly Mag.* 80: 42. Feb. 1944. 421 En86
- 20384 **HUFFAKER, C. B., and others.** Mexican bean beetle [*Epilachna varivestis*]; studies in Delaware - 1943. *Peninsula Hort. Soc. [Del.] Trans.* 57: 114-118. 1943. 81 P37
- D. O. Wolfenbarger, E. L. Chada, P. L. Rice, joint authors.
- 20385 **IHERING, RODOLFO VON.** O besouro correspondente exatamente a ordem zoologica dos coleopteros. *Fauna [São Paulo]* 1(9): 26-27. Sept. 1942. 410 F272
- 20386 **\*JANSSON, ANTON.** *Thiasophila rotundicollis* nov. sp. (Col., Staphylinidae). *Ent. Tidskr.* 64: 195-197. 1943. 421 En891
- 20387 **\*KAUFMANN, O.** Über reaktionen der schosenden rapspflanze auf rapsglanzkäferfrass [*Meligethes aeneus*]; und andere schaden. *Ztschr. f. Pflanz-enkrankh.* 52: 486-509. Nov. 1942. 464.8 Z3
- 20388 **\*KHARITONOV, I. A. N.** Ispytanie tsianplava protiv provolochnikov i deistvie ego na rost i urozhainost' farovoi pshenitsy [Testing cyanide solution for the control of wireworms and its effect on the growth and yield of spring wheat]. *Gor'kii. Gosud. Selsk. Khoz. Inst. Trudy* (Gor'kii. State Inst. Agr. Papers) 4: 223-235. 1943. 106 B414T
- 20389 **KUSCHEL, GUILLEMO.** Un "gorgojo acuático del arroz" argentino. "*Lissorhoptrus bosqi*" n. sp. Col. Curculionidae. *La Plata. Univ. Nac. Mus. Notas Zool.* 8: 305-315. 1943. 516 L31Rz
- 20390 **\*LUNDELA, O.** Några skalbaggsfynd [Some beetle discoveries]. *Ent. Tidskr.* 64: 177-194. 1943. 421 En891
- 20391 **MARQUES, M. DE A.** Contribuição ao estudo dos crisomelídeos do gênero *Diabrotica*. Brazil. *Esc. Nac. de Agron. Bol.* 2, p. 61-147. 1941 (Issued 1942). 102.5 R473
- Includes n. spp. and forms.
- 20392 **MORSE, MRS. H. H.** Rose chafers [*Macrodactylus subspinosus*]; kept out. *Amer. Rose Ann.* 1944: 146. 81 Am31A
- Cloth barriers protect plants.
- 20393 **\*MÜLLER, K. O., and SELLEKE, K.** Beiträge zur frage der züchtung kartoffelkäfer-widerstandsfähiger kartoffelsorten. *Ztschr. f. Zücht. Reihe A, Pflanzenzüchtung* 24: 186-228. 1942.
- Leptinotarsa decemlineata*. - Abs. in *Biol. Abs.* 18: 2020. Feb. 1944. 442.8 B526
- 20394 **MÜLLER, K. R.** Achtung erdflohgefahr! Landesbauernschaft Sachsen-Anhalt. *Wchnbl.* 101: 253. May 1, 1943. 18 Sa9
- Flea beetles.
- 20395 **\*MÜLLER, K. R.** Schädlingsebekämpfung: schildkäfer [*Cassidinae*] und luzernewelke bringen gefahr. Landesbauernschaft Sachsen-Anhalt. *Wchnbl.* 101: 324-325. June 12, 1943. 18 Sa9
- 20396 **\*PALM, THURE.** För Sverige nya Coleoptera. VII. [Coleoptera new to Sweden]. *Ent. Tidskr.* 64: 160-164. 1943. 421 En891
- 20397 **RAMSAY, M. J.** Biology and control of the Mexican bean beetle, *Epilachna varivestis* Mulsant. *Cornell Univ. Abs. of Theses*, 1942: 329-331. 1943. 241.8 C81
- 20398 **RAY, EUGENE.** New mordellid beetles from the Western Hemisphere. *Field Mus. Nat. Hist., Chicago. Zool. Ser.* 29: 117-133. Feb. 29, 1944. 500 C432Z
- New spp. in: *Tomoxia*; *Mordella* 5; *Mordellistena* 8.
- 20399 **ROCHE, P. J. L.** Further additions to the Bedfordshire list of Coleoptera. *Ent. Monthly Mag.* 80: 30. Feb. 1944. 421 En86
- 20400 **SANDERSON, M. W.** Distribution and hosts of *Arkansas Phyllophaga* (Coleoptera, Scarabaeidae). *Kans. Ent. Soc. Jour.* 17: 14-21. Jan. 1944. 420 K13
- 20401 **SEEVERS, C. H.** A new subfamily of beetles parasitic on mammals: Staphylinidae, Amblyopininae. *Field Mus. Nat. Hist., Chicago. Zool. Ser.* 28: 155-172. Mar. 17, 1944. 500 C432Z
- Includes three new spp. in *Amblyopinus*.
- 20402 **VINSON, J.** The Scaphidiidae of Mauritius. *Mauritius Inst. Bul.* 2: 177-209. June 1, 1943. 515 M44



20403 WATSON, J. R. A tropical book worm in Florida. *Neogastrallus librinocens* Fisher, in Florida (Anobiidae, Col.). Fla. Ent. 26: 61-63. Dec. 1943. 420 F662

20404 WERNER, F. G. Some new North American species of *Epicauta* (Coleop., Meloidae). Psyche 50: 65-73. Sept./Dec. 1943. 421 P95  
Twenty-one new species described.

20405 WESECOTT, CYNTHIA. The Japanese beetle *Popillia japonica*; - rehashed. Amer. Rose Ann. 1944: 147-150. 81 Am31A

20406 WOODCOCK, A. J. A. The aquatic Coleoptera of East and West Kent. Ent. Monthly Mag. 80: 31-41. Feb. 1944. Ref. 421 En86

## DIPTERA

20407 ADISUBRAMINIAM, T. S., and VEDAMANIKKAM, J. C. The relationship between the breeding places of *Anopheles fluviatilis* and human dwellings and its significance in limiting the scope of antilarval measures. Malaria Inst. India. Jour. 5: 53-58. June 1943. 448.9 M29

20408 ANDERSON, R. C., and OLIVER, C. P. Abnormal sex ratio among progeny of almondex females in *Drosophila melanogaster* [i.e. *ampelophila*]. (Abs.) Genet. Soc. Amer. Rec. 12: 43. 1943. 442.9 G28

20409 BANA, F. D. A note on the adaptability of *Anopheles stephensi* to breed in salt water in Bombay, with some observations on larvivorous fish. (Abs.) Malaria Inst. India. Jour. 5: 123. June 1943. 448.9 M29

20410 BARRERA, LEOPOLDO DE LA. Mosquitos. Coop. Agr. Honduras, 5(51): 10-11. Jan. 1944. 280.28 C7874

20411 BASU, B. C. Laboratory studies on the infectivity of *Anopheles annularis*. Malaria Inst. India. Jour. 5: 31-51. June 1943. 448.9 M29

20412 BEATO NÚÑEZ, J. J. Carlos J. Finlay "el conquistador del tropico". Rev. de Med. Trop. y Parasitol. Havana, 9: 81-86. Nov./Dec. 1943. 448.8 R328

Discusses Finlay's part in establishing *Aedes aegypti* as the vector of yellow fever.

20413 BEQUAERT, J. The dipterous family Mydidae in Canada. Canad. Ent. 76: 44. Feb. 1944. 421 C16

20414 BLANCHARD, C. K. Mark time. N. J. Dept. Health. Pub. Health News 27(1): 18-20. Feb. 1944. 449.7 N46P

Mosquitoes and malaria; post-war dangers.

20415 BLANCHARD, E. E. Un nuevo dextido, *Ceracia subandina*, parásito de la tucura, *Dichroplus arrogans*. Stal. Soc. Ent. Argentina. Rev. 12: 19-21. Sept. 1943. 420 Sol4

20416 BONNIER, G., NORDENSKIÖLD, M., and BÄGHAN, G. Exaggeration of bar in *Drosophila melanogaster* [i.e. *ampelophila*]. Hereditas 29: 113-133. 1943. 442.8 H42

20417 CARR, H. P., and others. Reconocimiento de paludismo en Cuba. Salubridad y Asistencia Social [Cuba] 46: 67-137. July/Dec. 1943. 449.75 C892S

R. B. Hill, Joaquín Fernández Meléndez, Alberto Ros, and Aristides Fernández Meléndez, joint authors.

Includes distribution records on species of *Anopheles*.

20418 CASTRO, G. M. DE O. Ecologia do *Anopheles gambiae*. Pesquisas preliminares sobre a viabilidade dos ovos que ficam fora da água. Inst. Oswaldo Cruz Mem. 38: 517-534. June 1943. 448.9 In74

Summary in English.

20419 \*CATSCH, A., and RADU, GH. Die abhängigkeit der röntgeninduzierten translokationsrate bei *Drosophila melanogaster* [i.e. *ampelophila*] von der intensität der angewandten bestrahlungsdosis. Naturwissenschaften 31: 419-420. Aug. 27, 1943. 474 N213

20420 \*CATSCH, A., RADU, GH., and KANELIS, A. Die dosisproportionalität der durch röntgenbestrahlung ausgelösten translokationen zwischen II. und III. chromosom bei *Drosophila melanogaster* [i.e. *ampelophila*]. Naturwissenschaften 31: 368. July 30, 1943. 474 N213

20421 \*CATSCH, A., KANELIS, A., and RADU, GH. Über den einfluss des alterns bestrahlter spermien auf die rate röntgeninduzierter translokationen bei *Drosophila melanogaster* [i.e. *ampelophila*]. Naturwissenschaften 31: 392. Aug. 13, 1943. 474 N213

20422 \*CATSCH, A., and RADU, GH. Über die abhängigkeit der röntgeninduzierten translokationsrate vom reifenzustand der bestrahlten gameten bei *Drosophila melanogaster* [i.e. *ampelophila*]. - 88. Naturwissenschaften 31: 368-369. July 30, 1943. 474 N213

20423 \*CIACCIO, GIACINTO. Ricerche sulle ghiandole salivari dei ditteri. I cromosomi giganti studiati con la microfotografia a raggi ultravioletti. Protoplasma 37: 161-170. 1943. Ref. 442.8 P94  
Observations on larvae of *Chironomus thummi*.

20424 COGGESHALL, L. T. *Anopheles gambiae* in Brazil, 1930 to 1940. Geog. Rev. 34: 308-310. Apr. 1944. 500 Am35G

20425 COVELL, G., and SINGH, JASWANT. Antimalaria operations in Delhi. Part IV. Malaria Inst. India. Jour. 5: 87-106. June 1943. 448.9 M29  
*Anopheles culicifacies*, sole local malaria vector.

20426 CUFF, R. L. One hundred million-dollar grub stake. Cattleman 30(10): 28, 30, 34. Mar. 1944. 80 H756

Injury to hides by Hypoderma.

20427 DOWNS, W. G., GILLETTE, H. P. S., and SHANNON, R. C. A malaria survey of Trinidad and Tobago, British West Indies. Natl. Malaria Soc. Jour. 2 (1, sup.): 1-44. Aug. 1943. 448.9 N213  
Includes *Anopheles* survey.

20428 ELLIS, J. M. Notes on the collection and oviposition of *Anopheles walkeri*. Tenn. Acad. Sci. Jour. 19: 29-30. Jan. 1944. 500 T25A  
Also in Reelfoot Lake Biol. Sta. Rpt. 8: 29-30. Jan. 1944. 442.9 R25

20429 \*ENGELBRETH, C. Stikfluer og mund- og klovesygge [Biting flies and foot and mouth disease]. Ugeskr. for Landmaend 88: 867-870. Dec. 10, 1943. 11 Ug3

Suggests that the virus is transmitted by *Stomoxys calcitrans* or *Haematobia stimulans*. With reply by H. C. Bendixen, p. 870-871.

20430 EPHRUSSI, BORIS, and HEROLD, J. L. Studies on eye pigments of *Drosophila*. I. Methods of extraction and quantitative estimation of the pigment components. Genetics 29: 148-175. Mar. 1944. Ref. 442.8 G28

20431 \*ESMARCH. Achtet auf die kohlflye [Hylemya brassicae]. Ztschr. f. Obst, Wein u. Gartenbau 69: 56. July 1943. 80 Z3

20432 GLASS, H. B. The effect of X-rays on the action of a specific gene in *Drosophila melanogaster* [i.e. *ampelophila*]. (Abs.) Genet. Soc. Amer. Rec. 12: 48. 1943. 442.9 G28

20433 GOFFE, E. R. The generic name *Leiota* (Liota) Rondani (Dipt., Syrphidae). Ent. Monthly Mag. 80: 28-29. Feb. 1944. 421 En86

Now in synonymy with *Myiolepta Newman*.

20434 GÓMEZ, O. J. La lucha contra la gastrofilosis (gusano del cuajo) [Gasterophilus intestinalis]. Chihuahua Ganad. 4(44): 12-15, 27. Aug. 1, 1943. 43.8 C43



- 20435 GREEN, M. M., and OLIVER, C. P. Effect of prolongation of larval life on the action of the gene for vestigial in *Drosophila melanogaster* [i.e. *ampelophila*]. (Abs.) Genet. Soc. Amer. Rec. 12: 48-49. 1943. 442.9 G28
- 20436 HARDY, D. E. A revision of North American Omphralidae (Scenopinidae). (To be cont.) Kans. Ent. Soc. Jour. 17: 31-40. Jan. 1944. 420 K13  
New spp. in: *Pseudatrichia*, *Belosta* n. g. *Brevitrichia* n. g. separated from *Pseudatrichia*.
- 20437 \*HARNISCH, O. Ein organ für ionenaufnahme bei im wasser lebenden insektenlarven. Naturwissenschaften 31: 394-396. Aug. 13, 1943. 474 N213  
Anal papillae in *Chironomus* and *Culex*.
- 20438 HARRISON, J. W. H. A noteworthy occurrence of the gall-gnat *Perrisia urticae* on Rhum. Entomologist 77: 32. Feb. 1944. 421 En8
- 20439 HARTZELL, ALBERT, and STRONG, MURIEL. Histological effects of piperine on the central nervous system of the housefly [*Musca domestica*]. Boyce Thompson Inst. Contrib. 13: 253-257. Jan./Mar. 1944. 451 B69
- 20440 \*HERING, E. M. Eine minierende gallmücke (Dipt. Cecid.) (*Clinodiplosis syringogenea* sp. nov.). Eos 19: 211-214. Oct. 30, 1943. 421 Eo7
- 20441 HINTON, TAYLOR. Micromanipulation of salivary-gland chromosomes [*Drosophila ampelophila*] having terminal adhesions. (Abs.) Genet. Soc. Amer. Rec. 12: 49. 1943. 442.9 G28
- 20442 \*HUBERT, K. Die frassschäden durch wiesenschnaken larven [Tipulidae]. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 316. June 5, 1943. 18 Sa9  
Author's name cited incorrectly as K. Robert in Bibliog. Agr., v. 4, No. 1, item 2595.
- 20443 HULL, F. M. The genus *Cerlogaster* Williston (Syrphidae). Soc. Ent. Argentina. Rev. 12: 137-140. Dec. 1943. 420 Sol4  
*C. auricaudata* made genotype of *Mutillimya* n. g.
- 20444 HULL, F. M. Two species of *Xylota* [X. fo, X. stylata, n. spp.] from southern Asia (Diptera: Syrphidae). Wash. Ent. Soc. Proc. 46: 45-47. Feb. 1944. 420 W27
- 20445 JOHANNSEN, O. A. A noxious species of *Phlebotomus* [i.e. *Flebotomus*] in the Okefenokee Swamp, Georgia. Psyche 50: 112-113. Sept./Dec. 1943. 421 P95
- 20446 JONES, S. C. Sprays and dusts for cherry fruit fly [*Rhagoletis cingulata*] control. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 65-67. 81 Or32
- 20447 \*KANELLIS, A., and RADU, GH. Über die auflösung von translokationen durch röntgenbestrahlung weiblicher gameten von *Drosophila melanogaster* [i.e. *ampelophila*]. Naturwissenschaften 31: 390. Aug. 13, 1943. 474 N213
- 20448 KAUFMANN, B. P. Influence of temperature on chromosome recombination following X-ray-induced breakage in *Drosophila*. (Abs.) Genet. Soc. Amer. Rec. 12: 50. 1943. 442.9 G28
- 20449 KELLERSBERGER, E. R. Africa and modern medicine. Va. Med. Monthly 71: 173-175. Apr. 1944. 448.8 V59  
Discusses onchocerciasis in Mexico and Africa and its vectors, *Simulium* spp.
- 20450 KETCHAM, D. R. Control of bot flies [Oestridae]. Pacific Rural Press, South. Ed. 147: 147. Mar. 4, 1944. 6 P112A
- 20451 \*KIKUTH, WALTER. Neue erkenntnisse über den entwicklungszyklus der malariaparasiten und ihre bedeutung für die praxis. Deut. Tierärztl. Wchnschr. 50: 338-340. Aug. 1, 1942. 41.8 D482  
Cycle in mosquito and vertebrate.
- 20452 KNOWLES, R., and BASU, B. C. Laboratory studies on the infectivity of *Anopheles stephensi*. Malaria Inst. India. Jour. 5: 1-29. June 1943. 448.9 M29
- 20453 LAWLOR, W. K. Some experiences in malaria control in the United States Navy. (Abs.) Wash. Ent. Soc. Proc. 46: 54. Feb. 1944. 420 W27
- 20454 LEONARD, V. B. Report of the Apple Maggot Control Board. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 50: 27, 39-42. 82 N85  
*Rhagoletis pomonella*.
- 20455 LEVI CASTILLO, ROBERTO. Importancia sanitaria del control biológico de los mosquitos: evolución histórica de los métodos de lucha anti-mosquito. Ecuador. Univ. Cent. Inst. Bot. Bol. 2(3/4): 129-158. Sept. 1943. 451 Ec9
- 20456 MACKENZIE, K. Mutation and lethal effects of ultra-violet irradiation on *Drosophila*. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 67-77. 1941. 501 Ed4P
- 20457 MACKIE, T. T. Clinical features of parasitic diseases and their considerations in military and naval operations. N. Y. Acad. Sci. Ann. 45: 251-260. Sept. 30, 1943. 500 N 484  
Refers to mosquitoes as transmitters of *Wuchereria bancrofti*.
- 20458 MAHAFFEY, J. L. Malaria. N. J. Dept. Health. Pub. Health News 27(1): 15-18. Feb. 1944. 449.7 N46P  
Relation to mosquitoes.
- 20459 MELLAND, A. M. Types of development of polytene chromosomes. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 316-327. Sept. 24, 1942. 501 Ed4P  
Observations made principally on chironomid larvae.
- 20460 MEYER, J. R. Ação direta do alho sobre berne [dermatobia hominis]. Biológico 9: 379-382. Nov. 1943. 442.8 B529
- 20461 MIDDLEKAUF, W. W. A new species of *Aedes* [A. (Ochlerotatus) mathesoni] from Florida (Diptera: Culicidae). Wash. Ent. Soc. Proc. 46: 42-44. Feb. 1944. 420 W27
- 20462 MONTE, OSCAR. Notas sobre *Gastrophilus*, [i.e. *Gasterophilus*], moscas parasitas de animais. Chacaras e Quintais 69: 68-71. Jan. 1944. 9.2 C34
- 20463 \*MÜLLER, K. R. Die bekämpfung der kleinen kohlflye [Hylemya brassicae]. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 253. May 1, 1943. 18 Sa9
- 20464 \*MÜLLER, K. R. Grosser fortschritt in der fliegenvernichtung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 553. Oct. 23, 1943. 18 Sa9  
*Dichloro-diphenyl-trichloroethane*.
- 20465 PAL, RAJINDER. On the bionomics of *Anopheles culicifacies* Giles. Part I. Longevity under controlled conditions of temperature and humidity. Malaria Inst. India. Jour. 5: 77-85. June 1943. 448.9 M29
- 20466 PARMENTER, L. Behavior of *Syrpita pipiens* L. (Dipt., Syrphidae). Ent. Monthly Mag. 80: 44. Feb. 1944. 421 En86
- 20467 PASCUAL GISPERT, JOAQUÍN. Carlos Juan Finlay, su vida y su obra. Rev. de Med. Trop. y Parasitol. [Havana] 9: 86-93. Nov./Dec. 1943. 448.8 R328  
Bibliography of Finlay's writings on yellow fever and *Aedes aegypti*, p. 91-93.
- 20468 PHILIP, URSULA. Crossing-over in the males of *Drosophila subobscura*. Nature [London], 153: 223. Feb. 19, 1944. 472 N21
- 20469 PONTECORVO, G. Hybrid sterility in artificially produced recombinants between *Drosophila melanogaster* [i.e. *ampelophila*] and *D. simulans*. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 385-397. 1943. 501 Ed4P



20470 PRITCHARD, A. E., and PRATT, H. D. I. A comparison of light trap and animal bait trap anopheline mosquito collections in Puerto Rico. II. A list of the mosquitoes of Puerto Rico. U. S. Pub. Health Serv. Rpts. 59: 221-233. Feb. 18, 1944. 151.65 P96

20471 FURI, I. M. A practical entomological course for students of malariology. 3d ed. rev. and illus. India. Med. Dept. Health Bul. 18: Malaria Bur. No. 9, 189 p. Calcutta, 1942. Ref., p. 180-187. 449.9 In22

First ed., 1933, was by P. Barraud.  
Manual for the study and identification of Anopheles.

20472 RAO, R. B. Experimental control of rural malaria at Pattukkottai, Tanjore district, S. India. (Abs.) Malaria Inst. India. Jour. 5: 125. June 1943. 448.9 M29

Drainage and Gambusia fish effective against Anopheles culicifacies.

20473 \*RINGDAHL, O. Anteckningar till svenska bromsar av undersläktet Tylostypia End. [Notes on the Swedish gadflies of the subgenus Tylostypia End.]. Ent. Tidskr. 64: 167-172. 1943. 421 En891  
Key to species of Tabanus (Tylostypia), p. 168.

20474 ROY, D. N. The rôle of Anopheles subpictus Grassi as a carrier of malaria. Malaria Inst. India. Jour. 5: 117-121. June 1943. 448.9 M29

20475 RUSSELL, P. F., KNIPE, F. W., and SITAPATHY, N. R. Malaria control by spray-killing adult mosquitoes: fourth season's results. Malaria Inst. India. Jour. 5: 59-76. June 1943. 448.9 M29

20476 THE SHEEP blowfly and its control. Victoria Dept. Agr. Jour. 42(1): 9-16. Jan. 1944. 23 V66J

Colored illustrations and discussion of seven species of fly. Mules' operation described.

20477 SINGH, JASWANT, and JACOB, V. P. Malaria in Ahmedabad. (Abs.) Malaria Inst. India. Jour. 5: 127. June 1943. 448.9 M29

Survey showed Anopheles stephensi and A. culicifacies only species infected.

20478 SLIZYNSKI, B. M. Deficiency effects of ultra-violet light in Drosophila melanogaster [i.e. ampelophila]. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 297-315. July 29, 1942. Ref. 501 Ed4P

20479 SLIZYNSKI, B. M. The structural differentiation of chromosome IV of Drosophila simulans and its behavior in melanogaster [i.e. ampelophila] genotype. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 95-106. 1941. 501 Ed4P

20480 STERN, CURT, SCHAEFFER, E. W., and SPENCE, W. P. The genetic basis of differences between two species of Drosophila. Amer. Nat. 78: 183-187. Mar./Apr. 1944. 470 Am36

D. virilis and D. americana.

20481 SUBARAMAN, A. K., and VEDAMANICKAM, J. C. Trimming the edges of breeding places near human habitations as an antilarval measure. Malaria Inst. India. Jour. 5: 113-115. June 1943. 448.9 M29

20482 SUNDARESAN, B., and RAO, M. A. The distribution of Anopheles sundaicus in Vizagapatam district; with notes on certain points of differentiation between the larvae of A. sundaicus and A. subpictus. Malaria Inst. India. Jour. 5: 107-112. June 1943. 448.9 M29

20483 TEISSIER, GEORGES. Apparition et fixation d'un gene mutant dans une population stationnaire de drosophiles. Paris. Acad. des Sci. Compt. Rend. 216: 88-90. 1943. 505 P21

Drosophila ampelophila.

20484 VAUCEL, M. Glossines [Glossina spp.] du Cameroun français. Rev. des Sci. Méd. Pharm. et Vét. de l'Afrique Franç. Libre 2: 97-100. Mar. 1943. 448.8 R324

20485 VILLEE, C. A. Phenogenetic studies of the mutant proboscipedia of Drosophila melanogaster [i.e. ampelophila]. (Abs.) Genet. Soc. Amer. Rec. 12: 56-57. 1943. 442.9 G28

20486 VILLEE, C. A. Reciprocal transplantations of antennal discs of aristapedia and wild flies of Drosophila melanogaster [i.e. ampelophila] using the Beadle-Ephrussi micropipette. (Abs.) Genet. Soc. Amer. Rec. 12: 57. 1943. 442.9 G28

20487 WILLIAMS, W. L. On the activity of the tsetse, Glossina pallidipes and other tsetse [G. brevipalpis; G. morsitans] during a 24 hour period. Rhodesia Agr. Jour. 40: 368-370. Nov./Dec. 1943. 24 R34

Also issued as Rhodesia, South., Dept. Agr. and Lands. Bul. 1249, 4 p. Salisbury, 1943. 24 R345

20488 WINTER-BLYTH, M. A. A note on the transmission of malaria at Ketti, Nilgiris, 6,300 feet. Bombay Nat. Hist. Soc. Jour. 44: 307-309. Dec. 1943. 513 B63

Anopheles mosquitoes may be carried to high altitudes by wind.

20489 ZAMENHOF, S. Studies on factors influencing mutability. (Abs.) Genet. Soc. Amer. Rec. 12: 57-58. 1943. 442.9 G28

Observations on Drosophila virilis.

20490 ZICH, G. E. Aerodynamic fly control. Milk Dealer 33(6): 29-30. Mar. 1944. 44.8 M595

Air blast protects bottling room of dairy.

Same title appears in Natl. Butter and Cheese Jour. 35(4): 38, 40. Apr. 1944. 286.85 B98Bu

20491 ZICH, JERRY. Giving Musca [domestica] the air. Milk Plant Monthly 33(3): 60-61. Mar. 1944. 44.8 C864

Air currents covering door openings keep flies out of dairy bottling room.

#### HEMIPTERA (HETEROPTERA AND HOMOPTERA)

20492 BEAMER, R. H. A new species of Acinopterus from California [A. parallelus]. Kans. Ent. Soc. Jour. 17: 21-22. Jan. 1944. 420 K13

20493 BERGER, E. W. Red Aschersonia for control of whiteflies [Dialeurodes citri]. Citrus Indus. 25(4): 16-17, 22. Apr. 1944. 80 C49

20494 CARVALHO, M. B. DE. Sobre o Neofurys carvalhoi. Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol. 10(1): 10-14. Mar. 1943. 9.2 P432

Refers also to Tenthecoris bicolor.

20495 DELONG, D. M. A new genus (Tumeus) and six new species of leafhoppers closely related to Cloanthus (Homoptera, Cicadellidae). Brooklyn Ent. Soc. Bul. 38: 168-174. Dec. 1943. 420 B79

20496 DRAKE, C. J., and POOR, M. E. Four new Tingitidae (Hemiptera) from Argentina. Mus. Argentino de Cien. Nat. "Bernardino Rivadavia" An. 40: 299-302. Feb. 18, 1942. 516 B86A

New spp. described are Teleonemia argentinensis, Leptopharsa arta, Gargaphia venosa, Corythucha acculta

20497 DRAKE, C. J. A new genus and ten new species of Serenithines (Hemiptera: Tingitidae). Wash. Ent. Soc. Proc. 46: 67-76. Mar. 1944. 420 W27

New spp. id: Sabestena n. g.; Lullius; Epimixia 3; Methersia 5.

20498 FREIBERT, ABRAHAM. Contribución al conocimiento de la "chinche tintorea" Dysdercus sp. (Hemipterae Pyrrhocoridae) con notas sobre su biología. Argentina. Junta Nac. del Algodon. Bol. Mens. No. 99/100, p. 360-370. July/Aug. 1943. 72.9 Ar3

20499 GIMINGHAM, C. T., and GIMINGHAM, C. H. Further notes on Clypeoaphis suaedae Soliman (Hem., Aphidae). Ent. Monthly Mag. 80: 25-27. Feb. 1944. 421 En86



- 20500 GÓMEZ-MENOR, JUAN. Contribución al conocimiento de los alejrodidos de España (Hem. Homop.) 1.<sup>a</sup> nota. Eos 19: 173-209. Oct. 30, 1943. 421 Eo7  
Frauenfeldiella, new sgen. in Alejrodos, n. 188.
- 20501 GUIMARÃES, F. N. and JANSEN, GETH. Novo transmissor silvestre do "Trypanosoma (Schizotrypanum) cruzi" (Chagas, 1909). Inst. Oswaldo Cruz Mem. 38: 437-441. June 1943. 448.9 In74  
Summary in English.  
The reduviid, Parabelminus carioca Lent, from nest of opossum.
- 20502 HATHAWAY, C. R. Considerações sobre Cephus siccifolius (Walker, 1871) (Homoptera: Cercopidae). Inst. Oswaldo Cruz. Mem. 38: 443-446. June 1943. 448.9 In74
- 20503 \*HUBERT, K. Rübenblattwanzenbekämpfung im monat Mai. Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 269. May 8, 1943. 18 Sa9  
Piesma quadrata.
- 20504 JEWETT, H. H., and SPENCER, J. T. The plant bugs, Miris dolobratius L., and Amblytulus nasutus Kirschbaum, and their injury to Kentucky bluegrass, Poa pratensis Linn. Amer. Soc. Agron. Jour. 36: 147-151. Feb. 1944. 4 Am34P
- 20505 LENT, HERMAN. Novo transmissor da doença de Chagas na cidade do Rio de Janeiro, D. F. Estudo do gênero Belminus Stal, 1859, Bolboderia Valdés, 1910 e descrição de Parabelminus carioca n. g., n. sp. (Hemiptera, Triatomidae [i. e. Reduviidae]). Inst. Oswaldo Cruz. Mem. 38: 497-516. June 1943. Ref. 448.9 In74
- 20506 LENT, HERMAN. Triatomídeos de Guiana Holandesa. Redescricao de Panstrongylus lignarius (Walker, 1873). Inst. Oswaldo Cruz. Mem. 38: 485-496. June 1943. Ref. 448.9 In74
- 20507 \*LINDINGER, L. Verzeichnis der schildlausgattungen, 1. nachtrag. (Homoptera Coccoidea). (Concl) Wien. Ent. Gesell. Ztschr. 28: 264-265. Sept. 15, 1943. 421 Os7
- 20508 LOPES, H. DE S. Insetos curiosos. Fauna [São Paulo] 1(7): 11. July 1942. 410 F272  
Discusses the Phloeinae.
- 20509 LOUGHNAME, J. B. Aphis rhamni Boyer; its occurrence in Ireland and its efficiency as a vector of potato viruses. Fire. Dept. Agr. Jour. 40: 291-298. Sept. 1943. 10 Ir2J
- 20510 MAMET, RAYMOND. The Aphididae of Mauritius. II. Mauritius Inst. Bul. 2: 171-176. June 1, 1943. 515 M44
- 20511 MAMET, RAYMOND. A revised list of the Coccoidea of the islands of the western Indian Ocean, south of the equator. Mauritius Inst. Bul. 2: 137-170. June 1, 1943. Ref., p. 169-170. 515 M44
- 20512 MARZARI, A. H. Principales cochinillas que atacan a los citrus. Buenos Aires, Argentina (City) Bolsa de Cereales. Rev. 31(1634): 34-35. Jan. 22, 1944. 287 B866
- 20513 \*MENZEL, R. Reblausbekämpfung einst und jetzt. Schweiz. Ztschr. f. Obst u. Weinbau 52: 600-604. Nov. 20, 1943. 80 Sch9  
Phylloxera vitifoliae.
- 20514 MOORE, G. A. A list of Hemiptera taken at Hudson Heights, Quebec. Canad. Ent. 76: 40-44. Feb. 1944. 421 C16
- 20515 NEPVEU, PIERRE. Les différences de pouvoir parasitaire du pou de San José (Quadraspidiotus p. e. Aspidiotus; perniciosus Comst. Coccidea), selon les végétaux. Paris. Acad. des Sci. Compt. Rend. 216: 612-614. 1943. 505 P21
- 20516 PICKETT, A. D., NEARY, M. E., and MACLEOD, DONALD. The mirid, Calocoris norvegicus Gmelin, a strawberry pest in Nova Scotia. Sci. Agr. 24: 299-303. Feb. 1944. 7 Sc12
- 20517 SĂVESCU, A. D. Un nou parazit al gerelor: Gymnaspis aechmeae (Newst). Hort. Româneasca 17(11/12): 1-5. Nov./Dec. 1939. 80 R328  
Scale insect on Bromeliaceae.
- 20518 SMEE, COLIN. Cluster bug on tung (Agnoscelis puberula, Stal.). Nyasaland Agr. Quart. Jour. 3(4): 25-26. Oct. 1943. 24 N983
- 20519 SMITH, C. F. Scale insects harm peach trees in North Carolina. Res. and Farming 1(Prog. Rpt. 2): 12. Mar. 1943. 100 N81R  
Refers to Aspidiotus perniciosus and Pseudaulacaspis pentagona.
- 20520 \*STEINEGGER, P. Erfahrungen über die reblausbekämpfung im Kanton Baselland. Schweiz. Ztschr. f. Obst u. Weinbau 52: 604-610. Nov. 20, 1943. 80 Sch9  
Phylloxera vitifoliae.
- 20521 \*SUOMALAINEN, ESKO. Tetraploides ei bei einer aphide [Phyllaphis coveni]. Hereditas 28: 499-500. 1942. 442.8 H42.
- 20522 TUTHILL, L. D. Descriptions of some new North American Psyllidae with notes on others. Kans. Ent. Soc. Jour. 17: 1-6. Jan. 1944. 420 K13  
New spp. in: Psylla; Trioza 3; Rhinopsylla.
- 20523 VIANNA, ARLINDO. Goma laca. Fauna [São Paulo] 1(10): 20-22. Oct. 1942. 410 F272  
Lac and lac insects.
- 20524 WATSON, J. R. Control of citrus aphids [Aphis spiraecola]. Citrus Indus. 25(3): 14-15. Mar. 1944. 80 C49

## HYMENOPTERA

- 20525 BANKS, NATHAN. Two new genera [Priochilus, Priophanes] in Psammocharidae (Hym.). Psyche 50: 82. Sept./Dec. 1943. 421 P95
- 20526 \*BRUGGER, A. Die nektararmut und ihre auswirkungen auf wespen und hummeln. Schweiz. Bienen Ztg. 66: 381-382. Sept. 1943. 424.8 Sch9  
High mortality occurs in bumblebees in years when there is a lack of nectar and increases need for beekeeping to provide for proper pollination.
- 20527 BUGBEE, R. E. Two new species of the latic complex from Mexico (Hymenoptera, Eurytomidae). Kans. Ent. Soc. Jour. 17: 23-29. Jan. 1944. 420 K13  
Eurytoma plana, E. ingens.
- 20528 CARVALHO, M. B. DE. O problema da formiga saúva [Atta spp.]. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(1): 51-53. Mar. 1943. 9.2 P432
- 20529 CHIESA MOLINARI, O. Un importante enemigo natural de los pulgones, el Aphidius platensis Brethes. Pampa Argentina 18(197): 2. Jan. 1944. 9 P19
- 20530 GEORGE, H. C., and WHITING, P. W. Centromere position in the sex chromosome of Habrobracon p. e. Microbracon; as indicated by a mosaic male. (Abs.) Genet. Soc. Amer. Rec. 12: 47-48. 1943. 442.9 G28
- 20531 \*GINER MARÍ, J. Ammoplanus palearcticus. III. Monografía de los Ammoplanus Gir. de España (Hym. Sphec.). Eos 19: 281-294. Oct. 30, 1943. 421 Eo7  
Includes three new spp.
- 20532 GOMES, J. G. Subsídios à sistemática dos calcidídeos Brasileiros. Brazil. Esc. Nac. de Agron. Bol. 2, p. 9-53. 1941 (Issued 1942). 102.5 R473



20533 GROSCHIN, HORACE. An observation of a *Formica sanguinea* raid at Battle Creek, Calhoun County, Michigan (Hymenoptera: Formicidae). Ent. News 55: 42-44. Feb. 1944. 421 En88

Nest of *F. fusca subsericea* was raided.

20534 HELSEL, E. D. Recombination and interference near the left end of the sex chromosome of *Habrobracon* [Microbracon hebetor]. Amer. Nat. 78: 188-191. Mar./Apr. 1944. 470 Am36

20535 HINCKS, W. D. A note on the nomenclature of some microgasterine Braconidae (Hym.). With reference to the works of Haliday and Nees von Esenbeck published in 1834. Ent. Rec. and Jour. Variation 56: 19-20. Feb. 1944. 421 En89

20536 IHERING, RODOLFO VON. As abelhas sociais e indígenas [Meliponidae]. Fauna [São Paulo], 1(6): 6-7. June 1942. 410 F272

20537 \*JOPKE, WILHELM. Ameisen im steingarten. Gartenbau im Reich 24: 78. July/Sept. 1943. 80 G199

20538 \*JUNCO Y REYES, J. J. DEL. Himenópteros de España. (Cont.) Eos 19: 223-266. Oct. 30, 1943. 421 Eo7

20539 \*JUNCO Y REYES, J. J. DEL. Nuevas especies de *Cryptochilus* (Hym. Psammocharidae) de la fauna mediterránea. Eos 19: 295-301. Oct. 30, 1943. 421 Eo7

Four new spp.

20540 LEASK, M. F. Emergence of adult sawflies [Pergidae]. Victorian Nat. 60: 150-151. Feb. 1944. 410 V66

20541 LIMA, A. DA C. Segunda contribuição ao conhecimento da biologia do *Telenomus polymorphus* n. sp. (Hym. Scellionidae). Acad. Bras. de Cien. An. 15: 211-227. Sept. 30, 1943. 516 R473A

20542 \*LA LUTTE contre les fourmis. Fruits et Primeurs de l'Afrique du Nord 13: 189. Nov. 1943. 80 F9482

20543 MICHENER, C. D. A new bee of the genus *Heriades* [H. (Neotrypetes) currani], from Panama (Hymenoptera, Megachilidae). Psyche 50: 109-111. Sept./Dec. 1943. 421 P95

20544 MUMA, M. H., and JEFFERS, W. F. Note on unusual nests of *Trypoxylon politum* Say. Ent. News 55: 50. Feb. 1944. 421 En88

20545 NEARING, G. G. Sulphur to control ants. Horticulture 22: 108. Mar. 1, 1944. 80 H787

20546 RAU, PHIL. The appearance of *Vespula squamosa* Drury in Missouri. Psyche 50: 114. Sept./Dec. 1943. 421 P95

20547 SINGH, MOHAN. Household insect pests and their control. II. The house ant. Indian Farming 4: 247-250. May 1943. 22 In283

*Dorylus labiatus*, *Monomorium indicum*, *M. destructor*, *Camponotus compressus*.

20548 SMITH, M. R. Ants of the genus *Cardiocondyla* Emery in the United States. Wash. Ent. Soc. Proc. 46: 30-41. Feb. 1944. 420 W27

20549 SOARES, O. M. Notas sobre parasitos do tomateiro, contendo a diagnose de *Anaphes tingitiphagus* n. sp. (Hymenoptera - Chalcidoidea). Brazil. Esc. Nac. de Agron. Bol. 2, p. 259-279. 1941 (Issued 1942). 102.5 R473

20550 WELD, L. H. Descriptions of new Cynipidae including two new genera (Hymenoptera). Wash. Ent. Soc. Proc. 46: 55-66. Mar. 1944. 420 W27

New spp. in: *Mesocynips*; *Paramblynotus*; *Paraschiza* n. g.; *Thrasorus* n. g.; *Coneucoela*; *Pseudeucoila*. *Xyalophora quinquelineata* n. comb. for *Diplolepis 5-lineata*. *Figites floridensis* n. n. for *Omalaspis floridanus* Ashmead.

See also Apiculture and *Apis mellifera*.

## LEPIDOPTERA

20551 ADKIN, G. T. The 1943 invasion of *Celerio lineata livornica* Esp. in Cornwall. Entomologist 77: 33-38. Mar. 1944. 421 En8

20552 ALBERS, TH. Eine neue form von *Sterrrha humiliata* Hufn. (Lep. Geom.). Wien. Ent. Gesell. Ztschr. 28: 52-53. Feb. 15, 1943. 421 Os7

*Sterrrha humiliata fasciata*.

20553 \*ALBERTI, B. Landschaftliche und faunistische eindrücke am unteren Don. Wien. Ent. Gesell. Ztschr. 28: 57-65. Mar. 15, 1943. 421 Os7

Refers to Lepidoptera collected.

20554 ALVES, PYTHAGORAS. A vida das mariposas. Fauna [São Paulo], 1(6): 13. June 1942. 410 F272

20555 ASHTON, C. D. There is still plenty of fight in the codling moth [Carpocapsa pomonella]. Utah Farmer 63(14): 3-4. Mar. 10, 1944. 6 D45

20556 BASU, A. C. Effect of different foods on the larval and post-larval development of the moth *Prodenia litura* Fb. (Lepidoptera, Noctuidae). Bombay Nat. Hist. Soc. Jour. 44: 275-288. Dec. 1943. 513 B63

20557 \*BERGEMANN, O. Ein altes, erprobtes mittel gegen kohlweisslinge [Pieris rapae]. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 262-263. Oct. 29, 1943. 80 G196

Hemp planted around the cabbage fields.

20558 BIERIG, ALEXANDER. Algunos insectos que atacan al tomate. Agr. Costarricense 1: 287. Nov./Dec. 1943. 8 Ag895

*Heliothis* sp., *Gnorimoschema* sp., *Protoparce* sp.

20559 BIRCH, L. Rearing *Aglais urticae* for varieties. Entomologist 77: 5-9. Jan. 1944. 421 En8

20560 BIRKETT, N. L. The natural control of *Pieris* [i.e. Autographa] brassicae by its braconid parasite - *Apanteles glomeratus*. Entomologist 77: 13-14. Jan. 1944. 421 En8

20561 BOURQUIN, FERNANDO. Metamorfosis de *Goacampa olceata* Schaus, 1939 (Lep. Notodontidae) con el estudio histológico de un aparato trico-glandular de la oruga por Miguel Eduardo Jörg. Soc. Ent. Argentina. Rev. 12: 7-18. Sept. 1943. 420 Sol4

20562 BOURQUIN, FERNANDO. Observaciones sobre metamorfosis de *Sysphinx crispula* Dogn., 1905. (Lep. Ceratocampidae). Soc. Ent. Argentina. Rev. 12: 105-108. Dec. 1943. 420 Sol4

20563 \*BOURSIN, CH. Eine neue gattung [Brandtasia] der unterfamilie Zenobiinae aus Iran. Wien. Ent. Gesell. Ztschr. 28: 314-316. Nov. 15, 1943. 421 Os7

20564 BREYER, ALBERTO. El genero *Meganostoma* Reak. (Lep. Pier.) y sus representantes en la Republica Argentina, con descripciones de nuevas subespecies. Soc. Ent. Argentina. Rev. 12: 32-35. Sept. 1943. 420 Sol4

Four new ssp. in *M. helena*.

20565 BREYER, ALBERTO. Notas sobre Castniidae argentinos y publicacion de una nueva subespecie [Castnia icarus patquensis] (Lepidopt.). Soc. Ent. Argentina. Rev. 12: 122-124. Dec. 1943. 420 Sol4

20566 BROWN, S. C. *Empista* (Coleophora) *conyzae*, Zell., in Dorset. Ent. Rec. and Jour. Variation 56: 13. Feb. 1944. 421 En89

20567 \*BURMANN, KARL. Beobachtungen beim fang von *Pyrausta nivalis* F. R. Wien. Ent. Gesell. Ztschr. 28: 271-272. Sept. 15, 1943. 421 Os7

20568 \*BURMANN, KARL. Einige bemerkenswerte kleinfalterfunde [moths] aus Nordtirol und beschreibung einer neuen Adela-art. Wien. Ent. Gesell. Ztschr. 28: 72-78. Mar. 15, 1943. 421 Os7

*Adela albianthenella* n. sp.



- 20569 \*BURMANN, KARL. Einiges über *Poecillocampa populi* L. var. *alpina* Frey. Wien. Ent. Gesell. Ztschr. 28: 241-245. Sept. 15, 1943. 421 Os7
- 20570 \*BURMANN, KARL. Interessante beobachtungen beim fang von *Incurvaria vetulella* Zett. Wien. Ent. Gesell. Ztschr. 28: 317-318. Nov. 15, 1943. 421 Os7
- 20571 CARMAN, G. E. Studies on the control of codling moth, *Carpocapsa pomonella* Linn. with dusts. Cornell Univ. Abs. of Theses, 1942: 260-263. 1943. 241.8 C81
- 20572 CARPENTER, G. D. H. The coloration of butterflies and moths. Endeavour 3(9): 20-25. Jan. 1944. 472 En2
- 20573 CARRUTH, L. A. Prospects for corn borer [*Pyrausta nubilalis*], injury in 1944. [N. Y., Nassau Co. Farm and Home Bur. News 30(3): 13. Mar. 1944. 275.293 N. Y., Nassau Co.
- 20574 CARVALHO, M. B. DE. Sobre a *Rothschildia* sp. e o seu parasita. Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol. 9: 199-202. Sept. 1942. 9.2 P432  
The parasite is *Parafrontina* sp.
- 20575 CHITWOOD, V. D. Control the pink bollworm [*Pectinophora gossypiella*]. Acco Press 21(3): 10-11. Mar. 1944. 6 Ac2
- 20576 CLENCH, H. K. Supplementary notes on *Calisto* (Lepidoptera: Satyridae). Psyche 50: 115. Sept./Dec. 1943. 421 P95
- 20577 COMSTOCK, W. P., and HUNTINGTON, E. I. *Lycaenidae* of the Antilles (Lepidoptera, Rhopalocera). N. Y. Acad. Sci. Ann. 45: 49-130. Dec. 29, 1943. 500 N484  
New spp. and forms in: *Eumaeus*; *Thecla* 15; *Leptotes*; *Hemiargus* 5.
- 20578 CORBET, A. S. Some notes on the butterflies of the Langkawi Islands. Entomologist 77: 39-42. Mar. 1944. 421 En8  
*Marmessus estella semperna* and *Thamala marcia* n. spp.
- 20579 DARLINGTON, E. P. Rearing notes on *Gracil-laria sassafrasella* (Chamb.). Ent. News 55: 40-41. Feb. 1944. 421 En88
- 20580 DAVIAULT, LIONEL. Nouvelle menace [*Archips fumiferana*], pour les forêts du Québec. Forêt Québécoise 7: 210. Apr. 1944. 99.8 F79
- 20581 DECKER, PETER. Über die flügelpigmente der schmetterlinge. XIII. Nachweis und bestimmung von leu-kopterin. Hoppe-Seyler's Ztschr. f. Physiol. Chem. 274: 223-230. June 5, 1942. 384 Z38
- 20582 DILLON, L. S. Post-mortem "stings" of the white flannel moth [*Plaga crispata*]. Brooklyn Ent. Soc. Bul. 38: 176. Dec. 1943. 420 B79  
Stinging hairs still effective in dried caterpillar skin.
- 20583 DRIGGERS, B. F. Triple spray for codling moth [*Carpocapsa pomonella*], control. Hoosier Hort. 26: 37-38. Mar. 1944. 81 In2H  
Oil, lead arsenate, and nicotine sulfate.
- 20584 DURAN, J. J. El gusano medidor del algodón Alabama orguellacea [i.e. argillacea]. Ciudad Juarez, Mex. Esc. Particular de Agr. Bol. 60, Ser. 2, 8 p. n. d. 102 C492
- 20585 ELIOT, N. Larval anthropomorphism. Entomologist 77: 22-27. Feb. 1944. 421 En8  
On explaining caterpillar behavior in terms of human psychology.
- 20586 \*ESMARCH. Kampf dem kohlweissling [*Pieris rapae*]. Ztschr. f. Obst, Wein u. Gartenbau 69: 82-83. Sept. 1943. 80 Z3
- 20587 \*FEDERLEY, HARRY. Chromosomenzahlen von vier tagfaltern von ozeanischen inseln. Hereditas 28: 493-495. 1942. 442.8 H42  
*Autographa brassicae azorensis*, *Colias* spp., *Vanessa atalanta*, *Lampides boeticus*.
- 20588 \*FEDERLEY, HARRY. Ein eigentümlicher fall von gynandromorphismus. Hereditas 28: 339-344. 1942. 442.8 H42  
In *Pygaera pigra*.
- 20589 \*FEDERLEY, HARRY. Zytogenetische unter-suchungen an mischlingen der gattung *Dicranura* B. (Lepidoptera). Hereditas 29: 205-254. 1943. Ref., p. 251-253. 442.8 H42
- 20590 \*FICHTNER, G. Die himbeermotte [*Lampronia rubiella*]. Ztschr. f. Obst, Wein u. Gartenbau 69: 58. July 1943. 80 Z3
- 20591 \*FOLTIN, HANS. Beitrag zur fauna [Lepi-doptera] von Oberdonau. Wien. Ent. Gesell. Ztschr. 28: 94-97. Apr. 15, 1943. 421 Os7
- 20592 FREEMAN, H. A. A new form of *Hesperia leonardus* (Harris) [*H. leonardus stallingsi*] from the middle western United States (Lepidoptera, Rhopalocera, Hesperidae). Brooklyn Ent. Soc. Bul. 38: 153-154. Dec. 1943. 420 B79
- 20593 FREEMAN, H. A. A new subspecies of *Polites themistocles* (Latreille) [*P. themistocles turneri*] from British Columbia, Canada (Lepidoptera, Rhopalocera, Hesperioidea). Ent. News 55: 47-48. Feb. 1944. 421 En88
- 20594 FRENCH, W. L. Butterfly migration. (*Danaus melissa dravidarum* and *Euploea c. core*). Bombay Nat. Hist. Soc. Jour. 44: 310. Dec. 1943. 513 B63
- 20595 \*FRIENDIN, HARALD. Lepidopterogeografiska iakttagelser i Tunabygden [Geographical observations on Lepidoptera in the Tuna district]. Ent. Tidskr. 64: 129-159. 1943. 421 En891
- 20596 \*FROEICH, VON. Beitrag zur untersuchung über veränderlichkeit und hybridation von *Parnassius apollo* v. *merzbacheri* Frhst. Wien. Ent. Gesell. Ztschr. 28: 251-263. Sept. 15, 1943. 421 Os7
- 20597 \*GABLER, HELLMUTH. Nachwirkungen einer detalbestäubung auf überlebende nonnen [*Lymantria monacha*]. Forstwiss. Centbl. u. Tharandter Forstl. Jahrb. 1943, No. 4, p. 136-140. June 1943. 99.8 F775
- 20598 \*GALVAGNI, EGON. Ein asymmetrisches stück der *Pandemis ribeana* Hb. Wien. Ent. Gesell. Ztschr. 28: 15-16. Jan. 15, 1943. 421 Os7
- 20599 \*GRABE, ALBERT. Heide-erlebnisse und -ergebnisse. Wien. Ent. Gesell. Ztschr. 28: 97-101. Apr. 15, 1943. 421 Os7
- 20600 GUY, E. Pratique des traitements insecti-cides des arbres fruitiers en Californie. Fruits et Primeurs de l'Afrique du Nord 13: 101-102. May 1943. 80 F9482  
Deals mainly with the use of arsenicals against *Carpocapsa pomonella*.
- 20601 HAYWARD, K. J. A broca da cana de açúcar [*Diatraea saccharalis*]. Brasil Açucareiro 22: 311-316. Oct. 1943. 65.8 B73
- 20602 HAYWARD, K. J. A mariposa perfuradora da cana de açúcar [*Elasmopalpus lignosellus*]. Brasil Açucareiro 22: 422-425. Nov. 1943. 65.8 B73
- 20603 \*HERING, E. M. Untersuchungen über die weiden-nepticulen. I. Wien. Ent. Gesell. Ztschr. 28: 273-278. Oct. 15, 1943. 421 Os7  
*Nepticula* spp. on *Salix*.
- 20604 HOUGH, W. S. The codling moth [*Carpocapsa pomonella*] problem. Mountaineer Grower 15(151): 8-10. Feb. 1944. 80 M86
- 20605 IANATI, NISTOR. Omidă păroasă (*Lymantria* [i.e. *Porthetria*] dispar). Hort. Românească 17(9/10): 13-15. Sept./Oct. 1939. 80 R328
- 20606 INGRAM, J. W. Sugarcane borer [*Diatraea saccharalis*]; experiments. Sugar Bul. 22: 84-87. Mar. 1, 1944. 65.9 Am32



- 20607 JONES, F. M., and KIMBALL, C. P. The Lepidoptera of Nantucket and Marthas Vineyard Islands, Massachusetts. Nantucket Maria Mitchell Assoc. Pub., v. 4, 217 p. Nantucket, 1943. 430 J71  
Contents: Introduction, by F. M. Jones, p. 3-21; Acknowledgments, explanations, and annotated list: Nantucket, by C. P. Kimball, Marthas Vineyard, by F. M. Jones, p. 22-198; Unrecorded species of southern New England, by C. P. Kimball, p. 199-210.
- 20608 JUMPING BEANS. Energetic insects are the cause of their jitterbugging antics. Life 16(14): 117-118, 120. Apr. 3, 1944. 280.8 L62  
Grapholitha saltitans.
- 20609 \*KAMMEL, J. E. Zur rassenfrage des Parnassius apollo L. aus den nördlichen und zentralen Ostalpengebieten. Wien. Ent. Gesell. Ztschr. 28: 279-304, 318-336. Oct. 15, Nov. 15, 1943. 421 Os7
- 20610 \*KAUTZ, HANS. Eine falterausbeute aus Russland. Wien. Ent. Gesell. Ztschr. 28: 32-34. Feb. 15, 1943. 421 Os7
- 20611 \*KAUTZ, HANS. Pieris bryoniae O., subsp. flavescens Wgn. mod. ♀ meta Wgn. Wien. Ent. Gesell. Ztschr. 28: 17-19. Jan. 15, 1943. 421 Os7
- 20612 \*KLIMESCH, JOSEF. Crambus languidellus Z. in Nordsteiermark (Lep., Pyralidae). Wien. Ent. Gesell. Ztschr. 28: 30-31. Feb. 15, 1943. 421 Os7
- 20613 \*KLIMESCH, JOSEF. Stigmatophora extremella Wck. (Lep., Momphidae). Wien. Ent. Gesell. Ztschr. 28: 65-72. Mar. 15, 1943. 421 Os7
- 20614 \*KLIMESCH, JOSEF. Zur chaetotaxie der raupen von Lithocolletis joviella Const. (Lep., Gracilariidae). Wien. Ent. Gesell. Ztschr. 28: 7-10. Jan. 15, 1943. 421 Os7
- 20615 KÖHLER, PABLO. Miscelanea lepidopterologica (generos, especies y variedades nuevos). Soc. Ent. Argentina. Rev. 12: 26-31. Sept. 1943. 420 Sol4  
New spp. and forms in: Automeris 2; Neobourquinia n. g. 2; Stenoma. Cromobergia n. g.
- 20616 \*KOLAR, HEINRICH. Zur höhenverbreitung von Pieris daplidice L. Wien. Ent. Gesell. Ztschr. 28: 51-52. Feb. 15, 1943. 421 Os7
- 20617 LAGARTAS nocivas às gramíneas. Biológico 9: 411-414. Dec. 1943. 442.8 B529  
Laphygma frugiperda; Mocis repanda.
- 20618 \*LANDIN, B.-O. Ein für Europa neuer Hepialus. Ent. Tidskr. 64: 165-166. 1943. 421 En891  
H. fuscoargenteus postmaculatus n. ssp.
- 20619 \*LEMPKE, B. J. Die farbenformen von Triphaena pronuba L. Wien. Ent. Gesell. Ztschr. 28: 10-12. Jan. 15, 1943. 421 Os7
- 20620 MANLEY, G. B. Boarmia (Tephrosia) consontaria, Ab. waiensis, in the Forest of Dean. Ent. Rec. and Jour. Variation 56: 13-14. Feb. 1944. 421 En89
- 20621 MONTE, O. SCARJ. Uma lagarta dos arrozais. Biológico 8: 161-163. June 1942. 442.8 B529  
Elasmopalpus lignosellus.
- 20622 \*MÜLLER, K. R. Bekämpft die raupen der kohlweisslinge (Pieris rapae). Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 459. Aug. 28, 1943. 18 Sa9
- 20623 \*MÜLLER, K. R. Legt leimringe gegen frostspanner (Operophtera brumata)! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 495. Sept. 18, 1943. 18 Sa9
- 20624 MUERGO, J. H. (HIJO). Gusano de las peras y manzanas (Carposcapa pomonella?). Rev. Nac. de Agr. Bogotá, 37(474): 24-28. Dec. 1943. 9.4 R32
- 20625 NABOKOV, V. The nearctic forms of Lycaenides Hub. (Lycaenidae, Lepidoptera). Psyche 50: 87-99. Sept./Dec. 1943. 421 P95
- 20626 NICKELL, W. P. Cocoons of giant silkworm moths. Cranbrook Inst. Sci. News Letter 13(7): 1-6. Mar. 1944. 410.9 C85N  
Samia cecropia, Callosamia promethea, Telea polyphemus.
- 20627 \*OBRAZTSOV, N. Eine neue Phalonien-gattung und -art (Lepidoptera, Tortricidae.). Wien. Ent. Gesell. Ztschr. 28: 43-45. Feb. 15, 1943. 421 Os7  
Fulvoclysis n. gen.; F. armeniaca n. sp.
- 20628 \*OBRAZTSOV, N. Neues über Gelastocera-arten (Lepidoptera, Agrotidae, Hylophilinae.). Wien. Ent. Gesell. Ztschr. 28: 78-81. Mar. 15, 1943. 421 Os7  
Gelastocera kotshubeji n. sp.
- 20629 RAITJ-SMITHEJ, W. Sale of the Whitehouse collection: first portion. Entomologist 77: 43-46. Mar. 1944. 421 En8  
British Lepidoptera.
- 20630 RAU, PHIL. The monarch butterfly, Danaus plexippus L., in Mexico. Ent. News 55: 44. Feb. 1944. 421 En88  
Probably migrants in their winter quarters.
- 20631 \*REISS, HUGO. Einige neue subspecies und formen von Zygaena meliloti Esp. (Lep.). Wien. Ent. Gesell. Ztschr. 28: 105-110. Apr. 15, 1943. 421 Os7
- 20632 \*REISS, HUGO. Die zygaenen Marokkos, insbesondere die vom Mittelatlant und vom Rifgebirge. Wien. Ent. Gesell. Ztschr. 28: 305-314. Nov. 15, 1943. 421 Os7  
Zygaena spp.
- 20633 RILEY, N. D. Two new South African Lycaenidae. Entomologist 77: 28-29. Feb. 1944. 421 En8  
Pseudicolaus poultoni lulua and Pentila peucetia penningtoni, n. ssp.
- 20634 ROBINSON, B. C. Guard against moths in the flies. Hunting & Fishing 21(4): 10-11. Apr. 1944. 410 H922  
Dry fly bait attacked by clothes moths.
- 20635 RUSSELL, A. G. B., and DE WORMS, C. G. M. A new locality for Amathes alpicola Zett. (Lep. Agrotidae). Entomologist 77: 1-4. Jan. 1944. 421 En8
- 20636 SANTOS, EURICO. Borboletas. Fauna (São Paulo) 1(8): 6-7. Aug. 1942. 410 F272
- 20637 SANTOS, EURICO. Vida, paixão e morte das borboletas. Fauna (São Paulo) 1(9): 6-8; (10): 44-45. Sept.-Oct. 1942. 410 F272
- 20638 \*SCHAWERDA, KARL. Aporophyla lutulenta Bkh. und ihre formen. Wien. Ent. Gesell. Ztschr. 28: 2-7. Jan. 15, 1943. 421 Os7
- 20639 \*SCHAWERDA, KARL. Pieris bryoniae O. subsp. flavescens Wagn. ab. nova Neustetteri. Wien. Ent. Gesell. Ztschr. 28: 94. Apr. 15, 1943. 421 Os7
- 20640 \*SCHAWERDA, KARL. Zu den aufsätzen Herbert Menhofers über Cosymbia quercimontaria Bast. und ruficiliaria HS. Wien. Ent. Gesell. Ztschr. 28: 34-35. Feb. 15, 1943. 421 Os7
- 20641 \*SCHULTZ, V. G. M. Über Xylomyges conspicillaris L. Wien. Ent. Gesell. Ztschr. 28: 12-15. Jan. 15, 1943. 421 Os7
- 20642 \*SHELJUZHKO, LEO. Drei neue rassen von Eudia pavonia L. Wien. Ent. Gesell. Ztschr. 28: 266-268. Sept. 15, 1943. 421 Os7
- 20643 \*SHELJUZHKO, LEO. Neue palaearktische lasiocampiden. Wien. Ent. Gesell. Ztschr. 28: 245-250. Sept. 15, 1943. 421 Os7  
Contents: 1. Zwei neue rassen von Malacosoma castrensis L. 2. Lasiocampa quercus vassilini (ssp. nova). 3. Lasiocampa plontkovskii (Rjabov i. l.) (spec. nova). 4. Gastropacha orientalis (spec. nova).
- 20644 \*SHELJUZHKO, LEO. Eine neue rasse von Parnassius mnemosyne L. aus Zentralasien. Wien. Ent. Gesell. Ztschr. 28: 81-85. Mar. 15, 1943. 421 Os7



- 20645 \*SIEDER, LEO. I. Beitrag zur Kenntnis der *Cidaria austriacaria* var. *Höfneri* Schaw. II. Fang der *Rebelia styriaca* Rbl. var. *karawankensis* Höfn. am Hochobir (2145 m), Kärnten. Wien. Ent. Gesell. Ztschr. 28: 25-28. Feb. 15, 1943. 421 Os7
- 20646 \*SKALA, HUGO. *Nepticula groschkei* spec. nov. Wien. Ent. Gesell. Ztschr. 28: 86. Mar. 15, 1943. 421 Os7
- 20647 SMEE, COLIN. Army worm or swarming caterpillars (*Laphygma eximpta*, Wlk.). Nyasaland Agr. Quart. Jour. 5(4): 1-15. Oct. 1943. 24 N983
- 20648 SPERRY, J. L. A revision of the genus *Chlorosea* Pack., with descriptions of new species (Lepidoptera, Geometridae). Canad. Ent. 76: 33-39. Feb. 1944. 421 Cl6
- C. banksaria* and *C. margaretaria*, n. spp.
- 20649 STALLINGS, D. B., and TURNER, J. R. Notes on Lepidoptera. Kans. Ent. Soc. Jour. 17: 29-31. Jan. 1944. 420 Kl3
- Isogramma hageni*; *Melittia lindseyi*; *M. snowi*.
- 20650 TEALE, E. W. North America's largest moth [*Telea polyphemus*]. Canad. Nature 6: 62-63. Mar./Apr. 1944. 410 Cl62.
- 20651 THOMPSON, B. G. The filbert worm [*Melissopus latiferranus*]; - recommendations for 1943. West. Nut Growers Assoc. 28. In *Oreg. State Hort. Soc. Proc.* (34th Ann. Rpt., 1942) 57: 146-150. 81 Or32
- 20652 THOMPSON, B. G. Spraying and dusting for filbert worm [*Melissopus latiferranus*]; control. West. Nut Growers Assoc. Proc. 29. In *Oreg. State Hort. Soc. Proc.* (35th Ann. Rpt., 1943) 58: 96-98. 81 Or32
- 20653 \*TOLL, S. G. VON. Studien über die genitalien einiger Coleophoriden IV. Wien. Ent. Gesell. Ztschr. 28: 89-94. Apr. 15, 1943. 421 Os7
- 20654 URQUHART, F. A. Lycaenid butterflies. Canad. Nature 6: 70-71. Mar./Apr. 1944. 410 Cl62
- 20655 \*VÖLKER, U. Mitteilung über die erste ab ovo-zucht von *Dasypolia ferdinandi* Rühl. Wien. Ent. Gesell. Ztschr. 28: 268-270. Sept. 15, 1943. 421 Os7
- 20656 \*WARNECKE, G. *Aporophyla lutulenta* Bkh. und *tripuncta* Frr. (Lep. Noct.) sind eine art. Wien. Ent. Gesell. Ztschr. 28: 45-51. Feb. 15, 1943. 421 Os7
- 20657 \*WARNECKE, G. Beitrag zur Kenntnis der *Hadena* (*Mamestra*) *reticulata-texturata*-gruppe (Lep. Noct.). 1. Die männlichen genitalarmaturen. Wien. Ent. Gesell. Ztschr. 28: 19-23. Jan. 15, 1943. 421 Os7
- 20658 \*WARNECKE, G. Neue schmetterlingsformen aus der Nordmark und dem niederelbgebiet. Wien. Ent. Gesell. Ztschr. 28: 16. Jan. 15, 1943. 421 Os7
- New forms in: *Notodonta* 2; *Dasychira*; *Gastropacha*; *Diacrisia*.
- 20659 WATSON, J. R. *Melipotis acantoides* [i. e. *acantoides*], (Guen) in Florida. Fla. Ent. 26: 71. Dec. 1943. 420 F662
- 20660 WILTSHIRE, E. P. Some more new Lepidoptera from S.-W. Iran, with their life histories. Bombay Nat. Hist. Soc. Jour. 44: 247-251. Dec. 1943. 513 B63
- New spp. in: *Cucullia*; *Heterobapta* n. g.; (?) *Eranis*; *Epitharina*.
- 20661 \*WLADASCH, EMIL. Über die vermutliche abstammung des *Celerio* hybr. *pauli* Mory. Wien. Ent. Gesell. Ztschr. 28: 35-43. Feb. 15, 1943. 421 Os7
- See also Sericulture and the Silkworm.
- ORTHOPTERA
- 20662 \*ANDER, KJELL. Über die von C. Stål beschriebenen stenopelmatiden (Salt.). Ent. Tidskr. 64: 198-201. 1943. 421 En891
- 20663 CHAGNON, GUSTAVE. Contribution a l'étude des orthoptères et de dermapteres du Quebec. (To be cont.) Nat. Canad. 71: 15-39. Jan./Feb. 1944. 410 N216
- 20664 EBNER, R. Einige Orthoptera Saltatoria von Fernando Poo (Spanisch-Guinea). Zool. Anz. 143: 269-274. Sept. 30, 1943. 410 Z7
- New spp. in: *Dapanera*; *Bongela*; *Paratriginidium* (?); *Paratridactylus* n. g.
- 20665 \*GÜNTHER, KLAUS. Die phasmoïden (Orthoptera) der "Borneo-Expedition Dr. Nieuwenhuis" aus dem stromgebiet des oberen Mahakam. Eos 19: 149-172. Oct. 30, 1943. 421 Eo7
- New spp. in: *Apora*; *Lonchodes*; *Syringodes*; *Neocles* (?); *Paradiacantha* (?); *Necroscia*; *Orthonecroscia* 3; *Calvisia*.
- 20666 LIEBERMANN, JOSÉ. *Apacris subaquaticus* Bruner, *paradiacantha* nuevo para la acridofauna argentina. (Orth. Acrid. Cyrtacanth.). Soc. Ent. Argentina. Rev. 12: 142-143. Dec. 1943. 420 Sol4
- 20667 LIEBERMANN, JOSÉ. Consideraciones sobre el genero *Cornops* Scudder (= *Paracornops Giglio Tos*) y su hallazgo en la Republica Argentina (Orth. Acrid. Cyrtacanth.). Soc. Ent. Argentina. Rev. 12: 22-25. Sept. 1943. 420 Sol4
- 20668 LIEBERMANN, JOSÉ. La cucaracha, enemigo arcaico del hombre. Pampa Argentina 18(197): 3. Jan. 1944. 9 P19
- 20669 LIEBERMANN, JOSÉ. "*Nahuelia rubriventris*", nuevo genero y nueva especie argentina del grupo "*Jivari*" (Orthop. Acrid. Cyrtacanth.). Mus. Argentino de Cien. Nat. "*Bernardino Rivadavia*" An. 40: 303-315. Mar. 16, 1942. 516 B86A
- 20670 LIEBERMANN, JOSÉ. Nota preliminar sobre la presunta sinonimia de un acrido chileno. Soc. Ent. Argentina. Rev. 12: 125-131. Dec. 1943. 420 Sol4
- Comparison of *Anacridium stuardoi* with *A. aegyptium*.
- 20671 LIEBERMANN, JOSÉ. *Propedies bilobus* (G. Tos), con algunas consideraciones sobre su furcula. (Orth. Acrid. Cyrtacanth.). Soc. Ent. Argentina. Rev. 12: 141-142. Dec. 1943. 420 Sol4
- 20672 LOVERIDGE, ARTHUR. The eighth plague. *Frontiers* 8: 119-120. Apr. 1944. 410 F92
- Account of locust swarms in Africa; *Nomadacris septemfasciata*, *Schistocerca gregaria*.
- 20673 \*MORALES AGACINO, E. Estudios sobre ortópteros del Mediterraneo occidental. II. Notas críticas sobre las Odonturas de la Peninsula Iberica. Eos 19: 267-280. Oct. 30, 1943. 421 Eo7
- Includes *Odontura* (*Odonturella*) *macphersoni* n. sp.
- 20674 OLSEN, R. F. The effects of transmitted colored light upon the pigmentation of grasshoppers [*Arphia conspersa*, *Eritettix simplex tricaratus*]. (Abs. of thesis) Colo. Univ. Stud. Ser. A 27(2): 27-28. Dec. 1943. 500 C715
- 20675 PIZA JOR., S. DE T. Cromossômos em *Proscopiidae* (Orthoptera-Acridoidea) (Nota previa). Rev. de Agr. [Brazil] 18: 347-350. Sept./Oct. 1943. 9.3 R324
- 20676 RAU, PHIL. Another use for the cockroach, *Blatta orientalis*. Ent. News 55: 49-50. Feb. 1944. 421 En88
- Used as bait for bream in Tennessee.
- 20677 REHN, J. A. G. The rhabdophorid *Tachycines asynamorus* Adelung in America (Orthoptera, Gryllacrididae, Rhabdophorinae). Ent. News 55: 36-39. Feb. 1944. 421 En88
- Insect previously reported as *Diestrammena marmorata* identified.



20678 SMALLMAN, B. N. Quantitative characters of the growth and development of a paurometabolous insect *Dixippus* (*Carausius*) *morosus* Br. et Redt. I. The loss of water in relation to ecdysis. Roy. Soc. Edinb. Proc. Sect. B (Biol.) 61: 167-185. Jan. 30, 1942. Ref. 501 Ed4P

20679 SMITH, R. W. Observations on parasites of some Canadian grasshoppers. Canad. Ent. 76: 28-33. Feb. 1944. 421 C16

20680 WHELAN, J. A. Orthoptera observed in 1942. Ent. Rec. and Jour. Variation 56: 18. Feb. 1944. 421 En89

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20681 BENGAL. DEPARTMENT OF INDUSTRIES. [Sericulture.]. Bengal. Dept. Indus. Bul. 97, 135 p. Alipore, 1942. 280.9 B43  
In Bengalese.

20682 CARVALHO, R. F. DE. A cultura da amoreira e a criação do bicho da seda [*Bombyx mori*]. Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol. 9: 264-283. Sept. 1942. 9.2 P432

20683 \*DAVLATOV, KHOL. O povtorykh vykormkakh shelkopriada [On rearing silk-worms.]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 18. May/June 1943. 281.8 K33

20684 \*GEELHAAR, ANGELIKE. Was der seidenbauer im herbst beachten soll! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 594. Nov. 13, 1943. 18 Sa9

20685 \*HILBRICH, P. Gelbsuchtähnliche Erscheinungen bei seidenraupen [*Bombyx mori*]. Deut. Tierärztl. Wchnschr. 50: 76-77. Jan. 31, 1942. 41.8 D482

20686 HOFFMANN, JOSEPH. Radioaktive elemente im *Bombyx mori*. Hoppe-Seylers Ztschr. f. Physiol. Chem. 276: 275-279. Nov. 30, 1942. 384 Z38

20687 \*OKTAR, NİLÜFER. İpekböcekçiliği [Sericulture.]. Turkey. Ziraat Vekâleti. Negrîyat. U. Sayı 556, 42 p. Ankara, 1943. 25 T842

20688 ROCCA, J. B. Sericicultura industria auxiliar. Rev. de Apic. 20: 4-5. Jan. 1944. 424.8 R325

20689 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Cooperativismo, sericicultura e escolas rurais: 1) Sericicultura e cooperativismo - aspectos economicos em geral; 2) Organização cooperativa da sericicultura nas escolas rurais. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 117, 20 p. São Paulo, 1943. 280.29 Sa6

20690 \*SCHENK, ANDRÉ. Vers l'industrialisation dela sericiculture. Prog. Agr. et Vitic. 119: 98-99, 114-116. Mar. 21/28, Apr. 4/11, 1943. 14 P94

20691 VAL, G. R. DO. A organização cooperativa da sericicultura nas escolas rurais. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(34): 3. July 1943. 280.28 C7872

20692 VILHENA, MARIO. A indústria sericicola em Santa Catarina. Chacaras e Quintais 69: 57-66. Jan. 1944. 9.2 C34

20693 VILHENA, MARIO. Sem bons ovos não se deve cuidar da sericicultura. Chacaras e Quintais 69: 42-43. Jan. 1944. 9.2 C34

#### SMALLER ORDERS

20694 BANKS, NATHAN. New Neuroptera and Trichoptera from the United States. Psyche 50: 74-81. Sept./Dec. 1943. 421 P95

New spp. and forms in: *Chrysopa*; *Vella*; *Myrmeleon* 3; *Ululodes*; *Mantispa*; *Banksiola*.

20695 BROADHEAD, E., and HOBBY, B. M. Studies on a species of *Liposcelis* (Corrodentia, Liposcelidae) occurring in stored products in Britain. Part I. Ent. Monthly Mag. 80: 45-48. Feb. 1944. 421 En86  
*L. granicola* n. sp.

20696 BROWN, HOWARD. Spray thrips [*Scirtothrips citri*] and grow bigger crops of better citrus. Ariz. Farmer 23(7): 22. Mar. 25, 1944. 6 Ar44

20697 COIT, J. E. Avocado thrips [*Heliothrips haemorrhoidalis*]. Calif. Avocado Soc. Yearbook 1943: 57. 81 C128

20698 CRUTCHFIELD, C. M., and HIXSON, H. Food habits of several species of poultry lice with special reference to blood consumption. Fla. Ent. 26: 63-66. Dec. 1943. 420 F662

20699 DAVIS, W. A., MALO JUVERA, FELIPE, and HER- NANDEZ LIRA, PILAR. Studies on louse control in a civilian population. Amer. Jour. Hyg. 39: 177-188. Mar. 1944. 449.8 Am3

Experimental trials of insecticidal powders and lotion against *Pediculus humanus corporis* and *P. humanus humanus* in five Mexican villages.

20700 DAVIS, W. A., and WHEELER, C. M. The use of insecticides on men artificially infested with body lice [*Pediculus humanus corporis*]. Amer. Jour. Hyg. 39: 163-176. Mar. 1944. 449.8 Am3

20701 \*EHRlich, H. Der gegenwärtige stand der läusebekämpfung. Deut. Apoth. Ztg. 58: 282. Aug. 20, 1943. 396.8 Ap4

20702 FULLER, H. S. Historical note on *Notio- psylla kerguelensis*, an Antarctic flea. Brooklyn Ent. Soc. Bul. 38: 164-167. Dec. 1943. Ref. 420 B79

20703 GREAT BRITAIN. MINISTRY OF HEALTH. Memo- randum on control of head lice [*Pediculus humanus humanus*]. Gt. Brit. Min. Health. Mem. 230A/Med., 4 p. London, 1943. 431.3 G79M

Use of Lethane 384 "special" and white oil; derris cream.

20704 GUIMARÃES, J. DE A. Nota sobre um thrips do "assa peixe" (*Vernonia polyanthes*). Brazil. Esc. Nac. de Agron. Bol. 2, p. 55-61. 1941 (Issued 1942). 102.5 R473

20705 HANSON, J. F. Studies on the Plecoptera of North America. IV. Further notes on the Capniidae. Brooklyn Ent. Soc. Bul. 38: 155-163. Dec. 1943. 420 B79

Includes *Isocapnia integra* n. sp.

20706 HICKIN, N. E. Chartley Moss and the caddis fly *Neuronia clathrata* Kol. (Phryganeidae, Trichoptera). Entomologist 77: 20-21. Feb. 1944. 421 En8

20707 KLOTS, E. B. A novel method of collecting dragonfly nymphs. Brooklyn Ent. Soc. Bul. 38: 163. Dec. 1943. 420 B79

Netted at night when attracted by flashlight beam.

20708 MCCOLL, C. M. Respiratory efficiency of tracheal gills and general body surface in some damselfly naiads. (Abs. of thesis.) Colo. Univ. Stud. Ser. A 27(2): 23. Dec. 1943. 500 C715

Observations chiefly on *Enallagma*.

20709 NEEDHAM, J. G. New species of North American gomphine dragonflies and life-history notes on some of them. Brooklyn Ent. Soc. Bul. 38: 143-152. Dec. 1943. 420 B79

New spp.: *Gomphus mortimer*, G. (*Stylurus*) *jucundus*, G. *argus*.

20710 PENNAK, R. W., and MCCOLL, C. M. An experimental study of oxygen absorption in some damselfly naiads. Jour. Cell. and Compar. Physiol. 23: 1-10. Feb. 1944. 444.8 J822

*Enallagma civile* and *E. cyathigerum*.

20711 PERSING, C. O., and BROWN, L. R. Control of citrus thrips [*Scirtothrips citri*]. Citrus Leaves 24(3): 7, 14-16. Mar. 1944. 80 C492

Nicotine sulfate-sugar spray effective in areas where citrus thrips have developed resistance to tartar emetic.



- 20712 PERSING, C. O., and BROWN, L. R. The present status of citrus thrips [*Scirtothrips citri*], control. Calif. Citrogr. 29: 149, 160-161. Apr. 1944. 80 C125
- 20713 \*POHLMANN-MEUMM, JOS. Der ohrwurm pearwig als chrysanthemum-schädling. Blumen u. Pflanzenebau ver. mit Gartenwelt 47: 235. Oct. 1, 1943. 80 G196
- 20714 \*RINDFLEICH-SEYFARTH, MARTHA. Durch mallophagen (federlinge) hervorgerufenen ekzem der gesamten rumpfoberfläche bei einer hausgans. Deut. Tierärztl. Wchnschr./Tierärztl. Rundsch. 51/49: 52. May 8, 1943. 41.8 D482
- 20715 \*ROSE, G. Fortschritte in der bekämpfung der kleiderlaus [*Pediculus humanus corporis*]. Germany. Reichsgesundheitsamt. Reichsgesundheitsbl. 18: 53-57. Feb. 3, 1943. 449.75 G31v
- 20716 ROSS, E. S. Two new Indian Embioptera [*Metembia flava*, *Oligotoma falcis*] and the lectotype of *Oligotoma borneensis* Hagen. Psyche 50: 100-108. Sept./Dec. 1943. 421 P95
- 20717 SANTIS, LUIS DE. Notas tisanopterológicas referidas a especies nuevas y conocidas de la República Argentina. La Plata Univ. Nac., Facultad de Agron. Rev. 25: 89-96. 1943. 9 R32
- Gastrothrips oeceticola n. sp.
- 20718 SKINNER, G. A. Fleas may spread disease. Everybody's Health 27(4): 4, 15. Apr. 1943. Libr. Cong.
- 20719 SOMMERMAN, K. M. Bionomics of *Ectopsoecus pumilis* (Banks) (Corrodentia, Caeciliidae). Psyche 50: 53-64. Sept./Dec. 1943. 421 P95
- 20720 TAUNAY, VISCONDE DE. Perfeitos trabalhos geometricos são executados pela formiga-leão [*Myrmecotidae*]. Fauna [São Paulo] 1(6): 42. June 1942. 410 F272
- 20721 WILLINER, G. J. Psocópteros de Misiones; generos y especies nuevos. Soc. Ent. Argentina. Rev. 12: 109-121. Dec. 1943. 420 Sol4
- New spp. in: *Copostigma*; *Dypsocus*; *Philotarsus*.
- 20722 \*ZALESSKIĬ, IŬ. M. Predstavitel' novogo otrjada nasekomykh, nesushchikh elitry [A representative of a new order of elytra-bearing insects]. Priroda. Akad. Nauk. 32(3): 70-71. 1943. 410 P933
- Perielytron mirabilis n. g. and n. sp., order Perielytrodea, from the Perm fossil beds.
- 20728 BUIE, T. S. The machinery factor in soil conservation. Agr. Engin. 25: 79-82. Mar. 1944. 58.8 Ag83
- Discussion by Frank Kranick and C.H. Zirckel.
- \*20729 BURROWS, P. W. Moisture testers. Mod. Miller 71(12): 15. Mar. 18, 1944. 298.8 M72
- Accurate method of obtaining moisture content of grain.
- 20730 \*DECKERT, A. E. Kombiniertes rübenköpfen und -roden ohne blattumselzen. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 589. Nov. 13, 1943. 18 Sa9
- 20731 \*DEMIRTAŞ, HÂMIT. Ziraat traktörleri [Mechanized agriculture]. Turkey. Ziraat Vekâleti. Neşriyat. Sayı 576, 288 p. Ankara, 1943. Ref. 25 T842
- 20732 ELLERTON, W. P. The rationing of farm equipment. Nova Scotia Fruit Growers' Assoc. Proc. 1943: 53, 55-56. 82 N85
- 20733 \*FEDOTOV, N. D. Nozhnitsy-sekator i shiporez dlia plodovo-fagodnogo khoziaistva [Clippers for trimming in fruit and berry orchards]. Sel'so (Ser. Kolkhoz. Zeml.), v.12, No.239, 2 p. Oct. 1943. 20 Se475
- 20734 FOOTE, S. H. Some problems in training teachers of vocational agriculture in farm machinery repair. Indus. Arts and Vocat. Ed. 33: 143-144. Apr. 1944. 275.8 In2
- 20735 GETMAN, A. K. Farm machinery repair tops food production services in New York State schools. Dairymen's League News 28(7): 2. Mar. 28, 1944. 44.8 D1432
- 20736 \*GOSE. Ausbildung für den generator-gasschlepper eilt. Landesbauernschaft Sachsen. Wchnbl. 91: 342. July 31, 1943. 18 Sa1
- 20737 \*GRIBANOV, I. Mel'nichnoe koleso [Mill wheels]. Kolkhoznoe Proizvodstvo, No.5/6, p.28-29. May/June, 1943. 281.8 K83
- 20738 \*HANSEN, KNUD. Arbejdsbesparelse ved tekniske hjaelpemidler i landbruget [Use of farm machinery to save labor]. Ugeskr. for Landmaend 88: 846-849. Dec. 3, 1943. 11 Ug3
- In Denmark.
- 20739 HENDERSON, W. J. The Colorado rotary knife. Spud Notes 2(1): 2. Jan. 1944. 75.8 Sp9
- 20740 HOFF, P. R. Repairs keep farm machines off the junk pile. Dairymen's League News 28(6): 2. Mar. 14, 1944. 44.8 D1432
- 20741 HOPPERSTEAD, S. L., GOODWIN, M. W., and RICE, P. L. Further studies of new spraying equipment. Peninsula Hort. Soc. [Del.], Trans. (1943) 33: 13-19. 1944. 81 P37
- 20742 \*JENEY, LUDWIG VON. Rübenpflege von morgen. Mitt. f. die Landw. 58: 918-919. Nov. 6, 1943. 18 D48M
- Equipment for the care of sugar beets.
- 20743 \*JENNY, J. Strömung von gasen und flüssigkeiten in kanälen, leitungen, räumen und die entstehenden verteilungen und verluste. Anwendungsgebiete in der landwirtschaft. Erhöhung der wirtschaftlichkeit. Landw. Jahrb. der Schweiz 6:555-603. 1942. 17 L23
- 20744 JOHANNSEN, W. S. G. I. surplus goods. Impl. and Tractor 59(6): 37, 44. Mar. 11, 1944. 58.8 W41
- 20745 \*KAZHINSKIĬ, B. B. Prosteishii vetriak dlia kolkhozov [Simple vane for collective farms]. Sel'so (Ser. Kolkhoz. Zeml.), v.12, No.165/168, 8 p. July 1943. 20 Se475
- For windmills.
- 20746 KLEIN, G. T. Mechanical hands...at the Cox farm. Poultry Tribune 50(4): 10, 58-59. Apr. 1944. 47.8 P8642
- Labor-saving devices on a poultry farm.

# AGRICULTURAL ENGINEERING

## GENERAL

- 20723 ERICKSON, T. A. Farm safety. Hawaii Farm and Home 7(3): 12. Mar. 1944. 25 H3191
- 20724 \*REDONDO, LUIS. Sobre accidentes del trabajo en la agricultura. Surco [Madrid], No. 10, sup., p. 15. Dec. 1942. 15 Su7

## FARM MACHINERY

### General

- 20725 BELL, L. J. "A shoulder to the wheel." Farmers Weekly [London] 20(13): 32. Mar. 31, 1944. 10 F2286
- Attachment which adds pounds to the pulling power of tractors or horses.
- \*20726 BERZAGHI, M. N. Mecanização agrícola. Ouro Branco 9(6): 11. Oct. 1943. 72.8 Ou7
- \*20727 BOSGRAAF, T. Problems in celery production. Mich. Muck Farmers' Assoc. Proc. (1943)25: 20-21. 4 M5813
- Productive equipment and supplies, and containers.



- 20747 \*KRYLOV, P. Gotov' telegu zimoi; o transportnom khoziaistve v kolkhozakh [Repair your equipment during the winter; concerning transportation on the collective farm]. Kolkhoznoe Proizvodstvo, No. 1, p. 29-30. Jan. 1943. 281.8 K83
- 20748 LEHMANN, E. W. Motorized cultivator weeds while you walk. Pop. Sci. Monthly 144(4): 196-197. Apr. 1944. 470 P81
- 20749 \*LEVIKOV, A. Termicheskaya obrabotka metalla [Heat treatment of metals]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 30-31. May/June 1943. 281.8 K83
- Discusses the hardening of steel in farm implements on collective farms.
- 20750 LIPMAN, E. V. Farm machinery serious. N.J. Farm and Garden 15(3): 26-27. Mar. 1944. 6 G162
- 20751 MACKIE, JOHN. The future of mechanisation Scot. Farmer (Spec. Album No.) 52: 42-44. Jan. 1, 1944. 10 Sco8
- 20752 \*MIKHAILIN, S. G. Kluch dlia vyvertyvaniia shpilek [A tool for removing screws]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.96, 2 p. Oct. 1943. 58.8 Se4S
- 20753 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. Grease and farm machinery. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 45. Apr. 1944. 10 G79J
- 20754 NELSON, D. M. The outlook for farm supplies. Country Gent. 114(4): 18, 67-68. Apr. 1944. 6 C833
- 20755 NETTO, F. A. O carro tanque e a distribuicao de leite a granel. Rev. dos Criadores 15(1): 39-42. Jan. 1944. 43.8 R32
- Notes the advantages and disadvantages of using these tanks for the transportation of milk.
- 20756 NORTON, C. L. Getting ready for spring work. Dairymen's League News 28(7): 8. Mar. 28, 1944. 44.8 D1432
- Maintenance and repair of equipment.
- 20757 PAPEL e importancia de las estaciones o centrales de maquinaria agricola en Mexico. Planificación Econ., No. 13, p. 1-6. Mar. 6, 1944. 280.8 P695
- 20758 POND, G. A. Custom rates for farm operations. Minn. Univ. Agr. Ext. Farm Business Notes, No. 255, p. 2-3. Mar. 22, 1944. 275.29 M663
- 20759 PRICE, F. E. Rationing of farm machinery. West. Nut Growers Assoc. Proc. 28. In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57:113-117. 81 Or32
- 20760 \*SCHN. Neue bestimmungen über den landmaschinenabsatz. Landesbauernschaft Sachsen. Wehnl 91: 471. Oct. 30, 1943. 18 Sal
- Effective October 15.
- 20761 SEYMOUR, E. L. D. Primer for the American home gardener. Lesson 3. Equipment and its care. Amer. Home 31(5): 26-27. Apr. 1944. 80 Am313
- 20762 SMITH, H. P. Farm machine situation in Texas. Farm Impl. News 65(7): 20, 25, 36. Mar. 30, 1944. 58.8 F22
- 20763 \*STAUSS, WALTER. Bedeutung, stand und entwicklung der landtechnik. Forschungsdienst, Sonderheft 16, p. 48-57. Berlin, 1942. 18 F772
- 20764 \*STIEPPES, BRAKEL. Zur verhütung von drescherverlusten. Landesbauernschaft Bayern. Wehnl. 133: 525. Sept. 25, 1943. 18 B34W
- 20765 STONE, A. A. Farm equipment dealers and price control. Farm Mach. and Equip., No. 1923, p. 5-6, 40. Mar. 1944. 58.8 F22S
- 20766 STONE, A. A. A pat on the back from the chief. Impl. and Tractor 59(7): 17-18, 28. Mar. 25, 1944. 58.8 W41
- Cooperation between farm equipment dealers and OPA.

- 20767 \*SVEINHAUG, MIKKEL. Jordbrukets redskapskonto. Norsk Landbruk 9: 119-120. Apr. 30, 1943. 11 N8122

On the necessity for using farm machinery in order to do the work as quickly as possible.

- 20768 TONETTI, J. M. Manufacture of implements in South Africa. Limitations of present establishments and how improvement could be secured. Farmers Weekly [Bloemfontein] 66: 891. Jan. 26, 1944. 24 F225

- 20769 TURNBULL, J. Orchard spraying for commercial growers. Gt. Brit. Min. Agr. and Fisheries. 'Growmore' Bul. 9, 14 p. London, 1943. 10 G79Gro

- 20770 \*VORONOV, P. Svarka metallov [Metal welding]. Kolkhoznoe Proizvodstvo, No.2/3, p.26-27. Feb/Mar. 1943. 281.8 K83

Discusses welding as used in the repair of implements on collective farms.

- 20771 WILLIAMS, J. E. Blitzing the brush in Florida. U.S. Soil Conserv. Serv., Soil Conserv. 9: 208, 213. Mar. 1944. 1.6 So3S
- Discussion of equipment.

#### Tillage Machinery

- 20772 CANNON, C. T. Practical use of Dixie beet thinner under adverse field conditions. U. & I. Cult. 4(1): 14, 22. Mar. 1944. 66.8 U12

- 20773 CLYDE, A. W. Mechanics of farm machinery. Part 6. Disk harrows. Farm Impl. News 65(6): 32-34. Mar. 16, 1944. 58.8 F22

- 20774 \*KRIL', B. Plug i vspashka [The plow and plowing]. Kolkhoznoe Proizvodstvo, No.1, p.13-16. Jan. 1943. 281.8 K83

- 20775 LEES, A. B. Three furrows on unit principle. Farmer & Stock-Breeder 58: 267. Feb. 15, 1943. 10 F228

Plows.

- 20776 MEADOWS, H. J. Cross-blocking of sugar beet. Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 553-557. Mar. 1944. 10 G79J

- 20777 PUEYREDON, E. M. Indicaciones utiles sobre nivelación de arados. Soc. Rural Argentina. An. 77: 843-845. Nov. 1943. 9 Sol

#### Planting Machines and Fertilizer Distributors

- 20778 BEUTNER, E. L., and ANDERSON, DARWIN. A method of seedbed preparation and reseeding deteriorated range lands. Amer. Soc. Agron. Jour. 36: 171-172. Feb. 1944. 4 Am34P
- Seeding equipment.

- 20779 CANNON, R. M. Complete mechanical thinning with precision planting. U. & I. Cult. 4(1): 18-19. Mar. 1944. 66.8 U12

- 20780 CANNON, R. M. A precision planter for segmented seed in 1944 gives more uniform spacing, better germination. U. & I. Cult. 4(1): 6-7, 32. Mar. 1944. 66.8 U12

- 20781 JONES, R. A. A fertilizer broadcaster. Mont. Farmer 31(14): 5. Mar. 15, 1944. 6 M764

- 20782 \*KRIL', B. Seialka i posev; v pomoshch' seialshchiku [Planters and planting; an aid to the farmer]. Kolkhoznoe Proizvodstvo, No.2/3, p.12-14. Feb/Mar. 1943. 281.8 K83

- 20783 ROBINSON, D. H. Drilling "seeds" against drought. Farmer & Stock-Breeder 58: 265. Feb. 15, 1944. 10 F228

#### Harvesting, Threshing, Drying, and Processing Equipment

- 20784 BEAVENS, E. A. Cabinet dehydrators suited to small-scale operations. Part III. Food Indus. 16(3): 75, 135-136. Mar. 1944. 389.8 F737

- 20785 BEECHEM, H. A. Use of acid cleaners. Amer. Milk Rev. 6: 72, 80-81. Mar. 1944. 44.8 Am38



- 20786 BEELER, M. N. Dual-purpose tractor buck. Capper's Farmer 55(4): 14. Apr. 1944. 6 M693
- 20787 BELLAIR, T. S. Special care and cleaning of milked rubberware. Austral. Milk and Dairy Prod. Jour. 11(1): 21. Jan. 1944. 44.8 Au72
- 20788 CANNON, W. Y. Outlook for harvesting equipment in 1944. U. & I. Cult. 4(1): 10, 35. Mar. 1944. 66.9 U12
- 20789 CHETTY, C. V. S. "Rib ridder." Guntur Tobacco Market Com., Apr. 1943, p. 9-10. 280.3699 G95  
Machine for crushing mid rib of tobacco leaf.
- 20790 DICKERSON, I. W. Power sweep rake saves time and labor. Farmer-Stockman 57(4): 21. Apr. 1944. 6 Ok45
- 20791 DOBIE, J. B., and BEDFORD. Dehydration studies. Wash. Com. on Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 9-25. 335.9 C732P
- 20792 DUFFEE, F. W. Exit the pitchfork. Country Gent. 114(4): 18-19, 62, 64-65. Apr. 1944. 6 C833  
Harvesting equipment.
- 20793 FARRALL, A. W., and HAIGH, BENJAMIN. Cuidado y conservación de aparatos para la industria lechera. Fed. Argentina de Cooperativas Tambeas Ida. Rev. 2(23):18-19. June 1943. 280.28 F31
- 20794 \*FROLOV, L. Kak ubirat' vlazhnyy i poleglyy khleb kombainami [How to harvest damp and flattened crops with combines]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 65/66, 3 p. July 1943. 58.8 Se4S
- 20795 GIANNINI, A. A. Controlled air protects quality in food packaging rooms. Food Indus. 16(3): 68-72, 135. Mar. 1944. 389.8 F737
- 20796 \*GUDKOV, A. N. Agregatirovanie uborochnykh mashin [Assembling of harvesting machinery]. Sel'so (Ser. Traktorist i. Kombainer), v. 12, No. 61/62, 4 p. July 1943. 58.8 Se4S
- 20797 \*GUDKOV, A. N. S'fsepki dlia lobogreek [Mower hitches]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 63/64, 4 p. July 1943. 58.8 Se4S
- 20798 \*HÄFELE. Verwendung von rübenmühlen zur musbereitung aus zuckerrüben. Landesbauernschaft Württemb. Wchnbl. 110: 272. Apr. 24, 1943. 18 W96
- 20799 HAMBLYN, C. J. Wheat harvesting in the North Island with the header harvester. New Zeal. Jour. Agr. 68: 103-104. Feb. 15, 1944. 23 N48J
- 20800 \*HANSEN. Gedanken um den schub-wendetrockner. Mitt. f. die Landw. 58: 858-859. Oct. 16, 1943. 18 D48M
- 20801 \*HARING. Beschaffung von rübenmühlen zur verfütterung roher zuckerrüben. Landesbauernschaft Württemb. Wchnbl. 110: 358. June 12, 1943. 18 W96
- 20802 HIGGINS, F. H. Meyers put over the self-propelled combine. Rice Jour. 47(2): 8-10, 22. Feb. 1944. 59.8 R36
- 20803 \*HINDERMAIR. Dreschordnung 1943. Landesbauernschaft Bayern. Wchnbl. 133: 488A. Sept. 4, 1943. 18 B34W  
Regulation regarding the use of electricity for threshing machinery.
- 20804 HUNT, M. H. New peanut harvesters solve labor shortage. Prog. Farmer, Tex. Ed. 59(4): 12, 30. Apr. 1944. 6 T311
- 20805 \*IVANOV, P. Kak poluchit' vysokufu vyrobotku pri rabote na kombaine [How to obtain high yields with combines]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 67/68, 4 p. July 1943. 58.8 Se4S
- 20806 \*JENNY, J. Ausnützung der sonnenwärme zum dörren. Schweiz. Ztschr. f. Obst u. Weinbau. 52: 492-493. Aug. 28, 1943. 80 Sch9
- 20807 \*JENNY, J. Moderner und zweckmässiger dörreapparat mit kondensation der feuchtigkeit und luftvorwärmung. Schweiz. Ztschr. f. Obst u. Weinbau. 52: 517-519. Sept. 11, 1943. 80 Sch9
- 20808 JOHNSON, A. J. Simplified gin fan power calculations by use of a nomograph. Cotton and Cotton Oil Press 45(6): 16-17. Mar. 11, 1944. 304.8 C822
- 20809 KEMP, H. J. It's seed cleaning time. Country Guide 63(3): 22. Mar. 1944. 7 G76
- 20810 \*KOGAN, E. A. Kak luchshe provediti kombainouborku [Combine harvesting]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 69, 3 p. July 1943. 58.8 Se4S
- 20811 KRANICK, FRANK. Corn picker-huskers. Impl. and Tractor 59(7): 20, 26-28. Mar. 25, 1944. 58.8 W41  
Part 20 of "Power farm equipment."
- 20812 KRANICK, FRANK. What to expect from combines. Impl. and Tractor 59(6): 38-40, 83, 85. Mar. 11, 1944. 58.8 W41  
Part 19 of "Power farm equipment."
- 20813 \*KRAT'EV, V. A. Fanerno-stupenchataia gorka dlia ochistki i sortirovaniia prosa [Cleaning and grading millet seed equipment]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 146, 2 p. July 1943. 20 Se475
- 20814 \*KRIVTSOV, I. P. Zhernovaiia mel'nitsa na konnoi tšage [Horse-operated grindstone mill]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 227/228, 3 p. Oct. 1943. 20 Se475
- 20815 \*L., B. Den mest rasjonelle mate å bruke sleperiva på [The most efficient use of horsedrawn rakes]. Norsk Landbruk 9: 202-203. July 23, 1943. 11 N8122
- 20816 LUNDE, R. N., and PRICE, F. E. Progress with the mechanical filbert harvester. Oreg. State Hort. Soc. Ann. Rpt. (1943) 35: 116-118. 81 Or32
- 20817 MCDONALD, M. E. Practical aspects of chlorine and heat sterilization of dairy equipment. Milk Plant Monthly 33(3): 30-32. Mar. 1944. 44.8 C864
- 20818 MCGRAW, A. F. Here's to hay! Forage harvester will hasten day of grass farming with a profit. Impl. Rec. 41(3): 34-35, 69. Mar. 1944. 58.8 Im73
- 20819 MCKIBBEN, E. G., and HUDSON, R. S. Using a pick-up baler for loading grass for silage. Mich. Quart. Bul. 26: 169-170. Feb. 1944. 100 M58S
- 20820 \*MANSVETOV, V. Samodel'nye konnye grabli [Hand-made horse-drawn rakes]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 145, 2 p. July 1943. 20 Se475
- 20821 MATHER, E. J. Sights set for equipppers and suppliers. South. Dairy Prod. Jour. 35(3): 24-25, 30-33. Mar. 1944. 44.8 So83  
Dairy industry equipment.
- 20822 MOFFITT, R. M. Grandma knew something about dehydration. Canner 98(15): 12-13. Mar. 11, 1944. 286.83 C16  
Describes operation of a special type of dehydrator.
- 20823 NETTO, F. A. Beneficiamento do leite. (Con't.) Rev. dos Criadores 14(16): 65-68. Dec. 1943. 43.8 R32  
Sanitation of dairy equipment.
- 20824 OWEN, W. L. Motor fuel from molasses. X. Adapting sugar factories to producing ethyl alcohol during the idle season between sugar campaigns. Sugar 39(4): 26-29. Apr. 1944. 65.8 F11
- 20825 SAYEY, B. E. Equipment needs care. Ice Cream Trade Jour. 40(3): 26, 28, 46, 48, 50, 52. Mar. 1944. 389.8 Ic2



20826 SAVEY, B. E. Maintaining equipment at peak efficiency. Milk Dealer 33(6): 104, 106, 108, 110, 112. Mar. 1944. 44.8 M595  
Also in Ice Cream Rev. 27(8): 32, 34, 36-38, 40. Mar. 1944. 389.8 Ic22

20827 \*SCHACHT, H. R. Rensning af foderroer [Equipment for cleaning feedbeets]. Ugeskr. for Landmaend 88: 825. Nov. 26, 1943. 11 Ug3

20828 \*SCHACHT, H. R. Roernes optagning. Ugeskr. for Landmaend 88: 714. Oct. 8, 1943. 11 Ug2  
Equipment for harvesting rutabagas and sugar beets.

20829 \*SCHACHT, H. R. Taerskearbejdet. Ugeskr. for Landmaend 88: 29. Jan. 8, 1943. 11 Ug3  
Care and use of threshing machine.

20830 \*SCHACHT, H. R. Taerskepild og taerskeskader. Ugeskr. for Landmaend 88: 905. Dec. 24, 1943. 11 Ug3

Care and use of threshing machines to avoid loss of grain.

20831 SMITH, H. P. Good-bye, cotton sack. Farm and Ranch 63(4): 28-29. Apr. 1944. 6 T31  
Mechanical harvesting of cotton.

20832 \*STEPANOV, N. Prosteishaia kolkhoznaiia plodovoshchesushilka [A simple fruit and vegetable drier]. Kolkhozhnoe Proizvodstvo, No. 10, p.24. Oct. 1943. 281.8 K83

20833 \*SYBEL, H. VON. Die vollmechanisierung der landwirtschaftlichen darre durch den schub-wendetrockner. (Concl.) Mitt. f. die Landw. 58: 660-662. Aug. 14, 1943. 18 D48M  
Description of dryer, cost of construction and operation.

20834 \*TARASOV, P. Podbor zvězdochek, shkivov i resköt na kombainakh dlia uborki razlichnykh kul'tur [Selection of parts for combines for harvesting various crops]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.70, 4 p. July 1943. 58.8 Se4S

20835 TEBB, C. P. Header-harvesting of peas in Tasmania. Tasmanian Jour. Agr. 14: 109-116. Nov. 1, 1943. 23 T182T

20836 \*TH., R. Ist die dreschmaschine in ordnung? Landesbauernschaft Sachsen. Wchnbl. 91: 342. July 31, 1943. 18 Sa1

20837 TRESSLER, D. K. Home dehydrators and home dehydration. Gen. Elect. Rev. 47(4): 23-27. Apr. 1944. 335.8 G28

20838 \*SEKULINA, A. Sharovaiia mel'nitsa dlia prigotovleniia sennoi muki [A mill for the preparation of hay flour]. Kolkhozhnoe Proizvodstvo, No.5/6, p. 16-17. May/June 1943. 281.8 K83

20839 \*UHLE. Beschaffung von maschinen zur feinstzerkleinerung von zuckerrüben für die schweinemast. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 325. June 12, 1943. 18 Sa9

20840 WEBER, C. W. Conservation of milk plant equipment. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22:15-20. 44.9 V593

20841 \*ZEILER, K. Über eine neuartige reinigungs-  
maschine für grosskäsereien. Deut. Molk.- u. Fettwirtsch. 1: 278. Oct. 15, 1943. 44.8 D485

20842 \*ZHELIGOVSKIĬ, V. Prosteishaia silosolomozrezka [A simple straw-cutter for silage]. Kolkhozhnoe Proizvodstvo, No.5/6, p.17. May/June 1943. 281.8 K83

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

20843 BARRETO, ANTONIO. O aproveitamento da mandioca no fabrico do alcool-motor. Lavoura, año 46, Aug./Dec. 1942, p. 51-52. 9.2 L39

20844 BEURER, EUD. Unnötige reparaturen vermeiden! Landesbauernschaft Württemb. Wchnbl. 110: 286. May 1, 1943. 18 W96  
In gasoline engines.

20845 BLOOR, W. F. Tractor tires will be tight 1944 estimates touch and go. Impl. Rec. 41(3): 44. Mar. 1944. 58.8 Im73

20846 DELPEYROUX, J. The French gas producer industry in 1943. Engin. Abs. 1: 251-253. Mar. 1944. 290.8 En391A

20847 \*EFIMOV, G. P. S'emnik diffusorov motorov SKHTZ [Cover for SKHTZ motors]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.94, 2 p. Oct. 1943. 58.8 Se4S

20848 \*EFIMOV, G. P. Uproshchennyĭ otstoĭnik dlia vody i gorŭchego [A simplified tank for water and fuel]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 95, 2 p. Oct. 1943. 58.8 Se4S  
For tractors.

20849 FOA, ARMANDO. Misturador automático para motores a gás. Bragantia 3: 151-154. June 1943. 102.5 B73Tb

20850 \*GUROV, S. V. Ispol'zovanie starykh porshnevnykh kolets [Utilization of old piston rings]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.93, 2 p. Oct. 1943. 58.8 Se4S  
Tractor repair.

20851 \*GUROV, S. V. Remont zapal'nykh svecheĭ avtotraktornykh motorov [Repair of spark plugs in tractor motors]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 98, 2 p. Oct. 1943. 58.8 Se4S

20852 \*IVANIUK, V. Opyt restavratsii i izgotovleniia chastei [Experiment in repairing and making parts]. Sovkhozhnoe Proizvodstvo 3(12): 41-42. Dec. 1943. 20 So85  
For tractors.

20853 \*IVANOV, P. Opyt raboty zhenskoi traktornoi brigady [Experimental work of the women's tractor brigade]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.97, 2 p. Oct. 1943. 58.8 Se4S

20854 \*KOHLMUS, GEORG. Sonderdieselmkraftstoff I (SDK. I). Landesbauernschaft Bayern. Wchnbl. 133: 305. May 22, 1943. 18 B34W  
How to use special tractor fuel especially to avoid fire.

20855 \*MARCHENKO, S. G. Universal'noe prisposoblenie dlia rastochki korenykh podshipnikov [Universal device for the placement of essential bearings]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.99, 2 p. Oct. 1943. 58.8 Se4S  
For tractors.

20856 \*MOKROPOLOV, V. Podgotovka mekhanizatorskikh kadrov [Training of mechanical operators]. Sel'so (Ser. Traktorist i Kombainer), v.12, No.91, 2 p. Oct. 1943. 58.8 Se4S

20857 OWEN, W. L. Motor fuel from molasses. VIII. Factors affecting the cost of producing ethyl alcohol for motor fuel. Sugar 39(2): 24-27. Feb. 1944. 65.8 F11

20858 PACKER, C. E. Accuracy saves time. Impl. and Tractor 59(6): 49-50, 52. Mar. 11, 1944. 58.8 W41  
Fundamentals of precision instruments and their use in the tractor service shop.

20859 SCALES, V. H. Tractor trouble shooters. Impl. and Tractor 59(6): 32-33, 85-86, 89. Mar. 11, 1944. 58.8 W41

SAE Tractor War Emergency Committee.

20860 SCHOENFELD, W. A. Remarks on farm alcohol production. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 94. 81 Or32



20861 \*SEMENOV, V. N. Izgotovlenie skol'zia-shchego podshipnika vmesto rolikovogo (det. 3100) [Construction of movable bearings in place of roller bearings]. Sel'so (Ser. Traktorist i Kombainer), v. 12, No. 100, 2 p. Oct. 1943. 58.8 Se4S For tractors.

20862 \*SEREBRIĀKOV, G. Rabota ligroinovykh traktorov na kerosine po metodu gor'achego raspyleniia [Fuel combustion in kerosine-operated tractors]. Sovkhoznoe Proizvodstvo 3(12): 37-41. Dec. 1943. 20 So85

20863 SMITH, E. Farm "maids-of-all-work." Two wisely chosen electric motors can handle almost every job on the farm. Farmers Weekly [London] 20(8): 27, 29. Feb. 25, 1944. 10 F2226

20864 \*VOGEL, W. Sonderdieselskraftstoff I. Landesbauernschaft Bayern. Wohnbl. 133: 282. May 8, 1943. 18 B34W Description of special motor fuel.

20865 WAGNER, C. P. Urges smaller motors for farm machinery. Elect. World 121(14): 104, 106, 108. Apr. 1, 1944. 335.8 E12

#### FARM STRUCTURES

##### General

20866 ALLEN, M. H. Engineer reveals important points to consider in chimney construction. Miss. Val. Lumberman 75(12): 13-15. Mar. 24, 1944. 99.81 M69

20867 \*GUDDING, INGJAR. Når høyhesjene har vanskelig for å stå. Norsk Landbruk 9: 175-176. June 25, 1943. 11 N8122

A simple method for constructing hay stacks.

20868 HAMILTON, C. L. The 1944 farm building goals. Concrete 52(3): 7-8. Mar. 1944. 299.8 C743

20869 \*LINDBOM, EINAR. Farskøtselns stängsel-kostnader [Cost of fencing in sheep farming]. Stiftelse Svenska Lantbruksveckan. Handl. 1943:262-268. 11 Sw34

20870 MATTHEWS, C. A. Wartime repair of farm structures. Agr. Engin. 25: 91-92. Mar. 1944. 58.8 Ag83

20871 MILLER, M. L. Farm engineering and health points. Ky. Farmer's Home Jour. 80(3): 4, 9. Mar. 1944. 6 F2237

Construction of cisterns.

20872 MOLE, W. S. Farm volume reaches new high. Miss. Val. Lumberman 75(11): 24. Mar. 17, 1944. 99.81 M69

Farm structures.

20873 ROBERTSON, E. I. Covered pit provides convenient disposal plan. Poultry Tribune 50(4): 46. Apr. 1944. 47.8 P8642

Practical and sanitary method for disposal of dead birds.

20874 TEESDALE, L. V. Moisture condensation in barns. Hoard's Dairyman 89: 172. Mar. 25, 1944. 44.8 H65

20875 TRACEY, L. T. Thatching with native grass. Rhodesia Agr. Jour. 40: 374-378. Nov./Dec. 1943. 24 R34

20876 WOOLEY, J. C. The farm building repair program. Agr. Engin. 25: 90, 92-93. Mar. 1944. 58.8 Ag83

20877 YEOMAN, F. T. The "bundy" crush for holding sheep during the Mules' operation. Agr. Gaz. N.S. Wales 55(1): 27-30. Jan. 1, 1944. 23 N472

##### Farmhouses

20878 BALDWIN, VERIL. Types of houses for muckland tenants. Mich. Muck Farmers Assoc. Proc. (1943) 25: 24, 26. 4 M58

20879 MCGUFFEY, C. C. Types of houses for muckland tenants. Mich. Muck Farmers Assoc. Proc. (1943) 25: 23-24. 4 M58

20880 \*SCHEELHAASE, ADOLPH. Praktische vorschläge für die zeitgemäße gestaltung und einrichtung unserer bauernhöfe. Landesbauernschaft Niederschlesier. Wohnbl. 10: 599-600. Nov. 13, 1943. 18 S13

##### Service Buildings

20881 ALEXANDER, A. K. S. Brooder and ark in one. Farmer & Stock-Breeder 58: 313. Feb. 22, 1944. 10 F228

20882 BIDLACK, STANLEY. Pig and lamb brooders at Buck and Doe Run. Elect. on the Farm 17(3): 13, 19-20. Mar. 1944. 335.8 E127

20883 BROADBENT, V. V. My ideal chick trough. Poultry Farmer [London] 110(2855): 6. Mar. 10, 1944. 47.8 P312

20884 BROODER studies. Wash. Com. on the Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 41-44. 335.9 C732P

Check meters for power consumption.

20885 \*BRUSKELAND, FER. Hus til vare minste husdyr [Construction of bee-hives]. Norsk Landbruk 9: 63-65. Mar. 5, 1943. 11 N8122

20886 CAVERS, J. R. Plans for a home-made electric lamp chick brooder. Weekly Market News and Mod. Farmer 22(12): 7. Mar. 22, 1944. 286.81 G762A

20887 COOPER, G. H. Feeding and drinking appliances for poultry. Rhodesia Agr. Jour. 40:363-367. Nov./Dec. 1943. 24 R34

20888 DOBIE, J. B. Fundamentals of brooding project. Part 1. Temperature studies. Wash. Com. on Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 29-31. 335.9 C732P

20889 GUNDRY, B. G. Pitteries. Rhodesia Agr. Jour. 40: 379-393. Nov./Dec. 1943. 24 R34

20890 INSTALACIONES e implementos para porcinos. Asoc. Argentina Criadores de Cerdos Rev. 23(257): 7, 9, 11-13. Jan. 1944. 46.9 As5

20891 JOHNS, M. M. A 15-hen laying house. Elect. on the Farm 17(3): 23. Mar. 1944. 335.8 E127

20892 KENNARD, D. C. Wartime poultry housing. Poultry Tribune 50(4): 7, 26-29. Apr. 1944. 47.8 P8642

20893 KLEIN, G. T. Feed bins built on truck. Poultry Tribune 50(4): 70. Apr. 1944. 47.8 P8642

20894 \*KUNTZEL, C. Primitivställe für zucht- und mastschweine. Mitt. f. die Landw. 58: 928-929. Nov. 6, 1943. 18 D48M

20895 LANGE, H. K. Iowa contractor introduces new ideas in hog house construction. Miss. Val. Lumberman 75(12): 8-9. Mar. 24, 1944. 99.81 M69

20896 LANGE, H. K. New poultry house. Poultry Tribune 50(4): 22-23. Apr. 1944. 47.8 P8642

20897 \*MAULAND, JOHAN. Parringsboks for storfe. Norsk Landbruk 9: 220-221. Aug. 6, 1943. 11 N8122 Construction of cattle breeding racks.

20898 MOORE, A. C. Post-war housing will be scarce. Poultry and Poultry Husb. 94: 100. Feb. 15, 1944. 47.8 P869 Poultry housing.

20899 PARKER, E. S. Goat housing: plans and detail. (To be cont.) Amer. Dairy Goat News 5(10): 14-15. Apr. 1944. 40.18 Am34

20900 POLK, H. D. Installation and use of gas-heated brooders for chicks. Miss. Farm Res. 7(2): 8. Feb. 1944. 100 M69M1

20901 POULTRY house air conditioning: H. W. Nelson ranch, Yakima. Wash. Com. on Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 33-40. 335.9 C732P



20902 RODRÍGUEZ ESCALADA, J. M. Impresiones de un viaje al Chubut recogidas durante una visita a las estancias de la S. A. est. Mauricio Braun Ltda. Ovina 5: 662-664, 666, 668-669. Apr. 1943. 45.8 Ov4  
Sheep-raising equipment.

20903 SANCTUARY, W. C. Common sense principles are the basis for good poultry house equipment. Amer. Poultry Jour. 75(4): 4, 16-18. Apr. 1944. 47.8 Am32

20904 WIANT, D. E., and DAVIDSON, J. A. Electric lamps as a source of heat for home-built chick brooders. Mich. Quart. Bul. 26: 184-190. Feb. 1944. 100 M58S

20905 WITZ, R. L. Design for home-built electric-heated chick brooder. Mich. Quart. Bul. 26: 191-193. Feb. 1944. 100 M58S

20906 WITZEL, S. A., and BARRETT, G. R. Dairy cow housing under study. Agr. Engin. 25: 83-85, 89, 95. Mar. 1944. 58.8 Ag83

20907 WORTHINGTON, JIM. What will it cost? Poultry Farmer [London] 110(2853): 8. Feb. 25, 1944. 47.8 F312  
Poultry equipment.

20908 WRIGHT, S. A. Fattening feeder. Poultry Farmer [London] 110(2853): 8-9. Feb. 25, 1944. 47.8 F312  
For poultry.

#### Storage Structures

20909 \*AZOV, Z. Podgotovka kolkhoznnykh zernoskladov k priemke urozhaiá [Preparation of the collective farm storehouses for crops]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 73, 2 p. July 1943. 281.8 Se4

Repairing, disinfecting, and cleaning of storehouses.

20910 BURKHARDT, G. J. Principles of sweet potato storage house design and management. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 63-74. 81 P37

20911 COMIN, DONALD. Remodeling buildings for potato storages. Ohio Veg. and Potato Growers' Assoc. Proc. (1942) 27:40-46. 1943. 75.9 Oh3

20912 CORNELL UNIVERSITY. SPECIAL COMMITTEE ON FROZEN FOOD LOCKER PLANTS AND HOME UNITS. Recommendations for frozen food locker plants. West. Frozen Foods 5(4): 3-4, 9-10, 12. Feb. 1944. 389.8 W523

20913 DICKERSON, W. H., JR., and SWINK, E. T. Forced ventilation method of curing hay. South. Planter 105(3): 14, 33. Mar. 1944. 6 So89

20914 \*EDHOLM, H. Nyare erfarenheter om lagring av vegetabilier [New experiences in storing of vegetables]. Stiftelse Svenska Lantbruksveckan. Handl. 1943: 160-188. 11 Sw34

20915 ERLMAN, F. S. Frozen food locker plants - an engineer's viewpoint. Refrig. Engin. 47: 192-194, 232, 234, 246. Mar. 1944. 295.9 Am32J

20916 FINNEGAN, W. J. New competition for freezers. Food Indus. 16(3): 80-81. Mar. 1944. 389.8 F737

20917 \*FYRILEIV, EINAR. Bygging av tresiloer. Norsk Landbruk 9: 211-215. Aug. 6, 1943. 11 N8122  
Description on the construction of a wooden silo.

20918 \*HAHN, EUGEN. Eine neuartige kohlscheune im oberbayrischen anbaubiet. Blumen u. Pflanzenbau ver mit Gartenwelt 47: 256-258. Oct. 29, 1943. 80 G196

20919 HOUSMAN, E. M. Boom on in community locker plants - will it last? Printers' Ink 206(13): 20-22. Mar. 31, 1944. 238.8 P932

20920 KOK, E. A., and GUARAGNA, R. N. Silos trincheira. Rev. Rural Bras. 23(278): 24-27. Oct. 1943. 9.2 B733

20921 KOONTZ, L. L. Mow hay curing in Virginia. Elect. on the Farm 17(3): 10-12, 20. Mar. 1944. 335.8 El27

20922 LUTZ, J. M. Factors influencing the relative humidity of the air immediately surrounding sweet potatoes during curing. Amer. Soc. Hort. Sci. Proc. 43: 255-258. Nov. 1943. 81 Sol2

20923 \*MANSVETOV, V. Podgotovit' khranilishcha dlia uborki ovoshchei [Preparation of storehouses for vegetables]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 84, 2 p. July 1943. 281.8 Se4

Repairing, cleaning, airing, and disinfecting of storehouses.

20924 MUNCE, M. G. Refrigeration equipment requirements for the food industry. Refrig. Engin. 47: 201-204. Mar. 1944. 295.9 Am32J

20925 NEWINS, E. P. Locker plant of the future. Quick Frozen Foods 6(8): 62-63. Mar. 1944. 389.8 Q4

20926 NO ENSILA sólo quien no quiere ensilar. Unión Agr. del Sur 1(7): 17-19. Sept. 1943. 9.3 Un3

20927 NOEL, J. K. Domestic and farm freezing cabinets. Refrig. Engin. 47: 195-196. Mar. 1944. 295.9 Am32J

20928 SARAMET, PETRE. Uscatorul dinamo-mecanic. Hort. Românească 17(9/10): 20-23. Sept./Oct. 1939. 80 R328

20929 \*SKATVEDT, CHR. Kornberging under tak. Tørkeskur for los. Norsk Landbruk 9: 230-231. Aug. 20, 1943. 11 N8122  
Directions for constructing two drying sheds for grain.

20930 VARELA, E. L. El rescate del país: 6 almacenes frigoríficos. Rev. Nac. [Habana] 2(23): 13. Oct. 1943. 280.8 R3295

On the projected freezing plants and their capacity.

#### Farm Utilities

20931 CAREY, L. D. The Culbertson electrified farm shop. Elect. on the Farm 17(3): 7-8. Mar. 1944. 335.8 El27

20932 CURTIS, HUGH. At Childs', they're powered for production. Successful Farming 42(1): 25, 32-33. Jan. 1944. 6 Sul2  
Use of electricity.

20933 DEVELOPING a rural system. Experiences at Barrow-in-Furness. Elect. Rev. 134: 290-293. Mar. 3, 1944. 335.8 El22

20934 DOBIE, J. B. Livestock water heating. Wash. Com. on Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 26-28. 335.9 C732P

20935 DOBIE, J. B., and DRAPER. Poultry lighting 1942-43. Wash. Com. on Relat. of Elect. to Agr. Prog. Rpt. (1944) 19: 5-8. 335.9 C732P

20936 GALLAGHER, H. J. Adequate wiring for post-war farm electrification. Edison Elect. Inst. Bul. 11: 309. Oct. 1943. 335.8 Ed4

20937 GORDON, R. B. Electrical insulation, 1941-1943, a bibliography. John Crerar Libr. Ref. List 53, 32 p., processed. Chicago, 1944. 243.9 J61

20938 GRINTESCU, E. Electricitates in horticultura. Hort. Românească 17(11/12): 5-6. Nov./Dec. 1939. 80 R328

20939 HARRISON, G. R. Electricity aids in emergency corn storage. Elect. on the Farm 17(3): 24-25. Mar. 1944. 335.8 El27

Discussion of the use of electricity in repairing and filling storage barn.

20940 HAYMAN, R. E. An appraisal of farm electrification needs. Edison Elect. Inst. Bul. 12: 103-105, 108. Apr. 1944. 335.8 Ed4



- 20941 KOONTZ, L. L. Farmers save hay the electric way. *Elect. World* 121(12): 136, 138, 140. Mar. 18, 1944. 335.8 E12
- 20942 MCMANUS, R. C. The R. E. A. mess. *Farm Jour.* 68(4): 20, 30. Apr. 1944. 6 F2212
- 20943 PETITCLERC, J. C. Le chauffage électrique de l'eau sur la ferme. *Terre de Chez Nous* 16(17): 6. Jan. 26, 1944. 7 T27
- 20944 PORTER, L. C. Germicidal and heat lamps for poultry. *Agr. Engin.* 25: 94. Mar. 1944. 58.8 Ag83
- 20945 \*POSER, OTTO. Selbstbau von elektro-weidezaun-ladegeräten. *Landesbauernschaft Niederschlesien. Wchnbl.* 10: 263-264. May 1, 1943. 18 S13
- 20946 RIOUX, ALBERT. L'électrification rurale et l'après-guerre. *Terre de Chez Nous* 16(20): 3, 20. Feb. 16, 1944. 7 T27
- 20947 \*UVERUD, HELGE. De elektriske gjerder [Electric fences]. *Norsk Landbruk* 9: 282-283. Oct. 15, 1943. 11 N8122
- 20948 WALKER, H. B. Postwar aspects of rural life. *Calif. Cult.* 91: 113, 120-121. Mar. 4, 1944. 6 C12
- Uses of electricity on the farm.
- Materials and Methods
- 20949 \*ANTONENKO, G. Fanera i karton v parnikovoi rame; kak podgotovit' k vesne parnikovye rami pri nekhvatke stekla [Plywood and cardboard for hotbed frames; how to prepare spring hotbed frames with the glass shortage]. *Kolkhoznos Proizvodstvo*, No. 1, p. 19. Jan. 1943. 281.8 K83
- 20950 MCLAUGHLIN, V. M. Wide use of gypsum board helping dealers stretch critical lumber supplies. *Miss. Val. Lumberman* 75(10): 10-11. Mar. 10, 1944. 99.81 M69
- For farm structures.
- 20951 PLYWOOD on the farm. *Amer. Lumberman*, No. 3277, p. 18-19. Mar. 18, 1944. 99.81 Am3
- 20952 TRACEY, L. T. Thatching with native grass. *Rhodesia Agr. Dept. Bul.* 1251, 6 p. Salisbury, 1943. 24 R345
- Reprinted from *Rhodesia Agr. Jour.* 40: 374-378. Nov./Dec. 1943. 24 R34
- AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS
- GENERAL
- 20953 BAKER, K. W. North Brazil's food problem. *U. S. Dept. Com. Foreign Com. Weekly* 14(13): 4-5, 35-36. Mar. 25, 1944. 157.54 F763
- Inter-American cooperation in handling the supply problem.
- 20954 BENNETT, M. K. Food for postwar Europe: How much and what? *Stanford Univ., Food Res. Inst. War-Peace Pam.* 5, 100 p. Stanford University, Calif. 1944. 280.9 L532
- Outlines pre-war food situation, wartime changes in food supply, and post-war requirements for food, in Greater Europe.
- 20955 BLAKE, A. E. Cheap food boggy exhumed. *Farmer & Stock-Breeder* 58: 380. Mar. 7, 1944. 10 F228
- On the theory that cheap, imported food is necessary to British export trade and the effect of such a policy on British agriculture.
- 20956 BRANDT, JOHN. [Surplus holding pools]. Pt. II-V. *Markets* 12(3): 5; (4): 5; (5): 6; (6): 6. Mar. 2, 9, 16, 23, 1944. 280.38 M343
- Program for control of surplus agricultural products and prices.
- Comments, by O. B. Jesness, in *Markets* 12(7): 5. Mar. 30, 1944.
- 20957 BURTON, HERBERT. The Australian war economy, May-November, 1943. *Econ. Rec.* 19: 149-161. Dec. 1943. 280.8 Ec74
- Includes the problem of food supply.
- 20958 CARR, H. L. Starvation or plenty. *U. S. War Food Admin. Market. Activ.* 7(2): 3-5, processed. Feb. 1944. 1.942 A8M34
- Food supplies and level of consumption in the United States.
- 20959 FISHER, KATHARINE. Consumer needs in food distribution and storage. *Refrig. Engin.* 47: 199-200. Mar. 1944. 295.9 Am32J
- 20960 GARBERS, H. W. Food for victory. *Co-op. Merchandiser* 9(3): 16-17. Mar. 1944. 286.28 C78
- 20961 GRIFFITHS, P. J. The Indian food scarcity: its causes and lessons. *Gt. Brit. and East* 61(1710): 23-25. Mar. 4, 1944. 286.8 N27
- Continued in *Gt. Brit. and East* 61(1711): 23-25, 45. Mar. 11, 1944.
- 20962 HENDRICKSON, R. F. The food front. *Labor's Conf. on Food and Nutr. Proc.* 1943: 24-29. 1944. 389.9 L11
- 20963 HILL, F. F., and HARPER, F. A. Have we food enough for all? *Pub. Aff. Com. Pub. Aff. Pam.* 89, 30 p. New York, 1944. 280.9 P964
- 20964 INDIA; Lord Wavell's first months. *Round Table*, No. 134, p. 155-161. Mar. 1944. 280 R76
- Food supply and prices in India.
- 20965 JORDAN, ROBERTO. Comer crudo si pero... ojo con los germenos y parasitos! *Venezuela. Min. de Sanidad y Asistencia Social. Bol. de Ed. Sanit.* 6(101): 10-13. May 1943. 449.9 V555
- 20966 KOLESNIKOFF, V. S. Standard commodity classification. *Amer. Statist. Assoc. Jour.* 39(225): 42-52. Mar. 1944. 251 Am3
- Includes food, agricultural, and forest products.
- 20967 LARREA, C. M. Algunos aspectos generales de la economía ecuatoriana. *Manabí, Ecuador. Consorcio de Centros Agr. Bol.* 5(36): 6-12. Oct./Dec. 1943. 9.5 M31
- Includes the agricultural products of Ecuador.
- 20968 MUÑOZ, M. A. Informe acerca del Cantón de Poás, de la Provincia de Alajuela, en sus aspectos agrícola e industrial. *Rev. de Agr. [Costa Rica]* 15: 435, 437-440, 442-444, 446, 448. Oct. 1943. 8 Esl
- Surveys the crops produced and processing industries.
- 20969 \*\*POLLAN, A. A. Bananas, abaca, hevea, etc. *Boston Bus.*, Mar. 1944, p. 4-6†.
- Noted in *Pub. Aff. Inform. Serv. Bul.* 30(26): 1. Apr. 1, 1944. 241.11 P96
- 20970 PROCTOR, B. E. Developments in army foods. *Refrig. Engin.* 47: 196-198. Mar. 1944. 295.9 Am32J
- 20971 \*R., H. G. Bemühungen um die ernährungsorganisation in Jugoslawien. *Landwirtsch.* 9: 2. Jan. 25, 1941. 281.8 L23
- 20972 SHERMAN, J. V. Food company No. 1: General Food's earning downtrend may be reversed, with post-war growth probable. *Barron's* 24(13): 3, 6. Mar. 27, 1944. 284.8 B27
- Trends of earnings of General Foods Corporation, 1922-1943.
- 20973 SNELL, G. F. Nazis take their food. *Food Facts* 13(7): 3-4. Apr. 1944. 389.8 F734



20974 WAITE, W. C. Government control of food. Minn. Univ. Agr. Ext. Farm Business Notes, No. 255, p. 1-2. Mar. 22, 1944. 275.29 M663

20975 WALL, JOHN. Will excess inventories again wreck food industry? History urges sale of surplus canned vegetables, says head of Fine Foods of Canada. Canad. Grocer 58(7): 8, 10, 24. Apr. 1, 1944. 286.83 C162

20976 \*\*WAVELL, A. P. Government of India's future food policy. United Nations Rev. 4: 69-70. Feb. 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30(26): 6. Apr. 1, 1944. 241.11 P96

20977 WEST, C. H. Civilian food supplies in the United States. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 221-223. Mar. 11, 1944. 286.8 C16  
A statistical survey.

20978 WORSWICK, G. D. N. The raw material controls. Fabian Soc. Tract Ser. 257, 16 p. London, 1942. 280.171 W89

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

20979 ADDISON, LORD. World Food Conference at Hot Springs foreshadows better prices for producers and more food for consumers. Dairy Farmer [Ipswich], 17(3): 7-8. Mar. 1944. 44.8 D1414

Agricultural marketing policy for Great Britain.

20980 ARANGO, RODOLFO. Producción agrícola. Labor [Havana] 3(57): 5. Mar. 15, 1944. 8 L11  
Market outlook for agricultural products in Cuba.

20981 BRESSLER, R. G., JR. What kind of research program is needed to deal with post-war problems? Research in agricultural marketing. New England Res. Council on Market. and Food Supply. Proc. 1944: 55-59, processed. 252.004 N443M

20982 \*BRICHET, J. Le transport "sous régime du froid" assurera le succès de nos exportations. Mais la coopération des producteurs est la condition "sine qua non" de l'efficacité de ces transports. Fruits et Primeurs de l'Afrique du Nord 13: 203-204. Dec. 1943. 80 F9482

20983 CONYERS, L. N. What's ahead in transportation? U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 10, 18. Feb. 1944. 166.2 N47

20984 \*DAVYDOV, K. Provodka operatsii po kolkhosnoi torgovle [Conducting transactions of collective farm marketing]. Kolkhoznoe Proizvodstvo, No. 10, p. 25-26. Oct. 1943. 281.8 K83

20985 DOWELL, A. A. Wartime transportation of farm products. Jour. Farm Econ. 26: 159-177. Feb. 1944. 280.8 J822

Discussion, by H. M. Haag, p. 177-180.

20986 DUFFY, BEN. Food buying habits after two years of war. Bakers Rev. 38(4): 24, 26, 28. Apr. 1944. 389.8 B175

20987 HALL, H. S. Road transport of food. Food Manufacture 19: 81-85. Mar. 1944. 389.8 F736

20988 HUSTON, B. T. Canada easing up retailers' problems. Super Market Merchandising 9(3): 60-62. Mar. 1944. 389.8 Su7  
Food regulations.

20989 KNAPP, J. G. Marketing co-ops do a 3-billion business. Calif. Citrog. 29: 170-172. Apr. 1944. 80 C125

Cooperative marketing of agricultural products.

20990 NASH, EDMUND. Increased shipping costs during the war, and their effect on prices of imported commodities. U. S. Bur. Labor Statis. Monthly Labor Rev. 58: 650-655. Mar. 1944. 158.6 B87M  
Includes agricultural commodities.

20991 PAIVA, R. M. Oportunidades para novas exportações agrícolas. Rev. Rural Bras. 23(278): 36. Oct. 1943. 9.2 B733

Dairy and other exports as a possible substitute for lost coffee and cotton markets and the need for Government assistance to the industry.

20992 PLANCK, C. E. Plan for high altitude transport of perishables. Part 1. Flying 34(4): AC5-AC7, AC22. Apr. 1944. 333.8 F673

20993 SABATINI, J. L. Can post-war transport cost be reduced [in Great Britain]? Farmer & Stock-Breeder 58: 308. Feb. 22, 1944. 10 F228

20994 \*SCHROEDER. Vereinfachung der Transporte in der hofwirtschaft eines gutsbetriebes. Mitt. f. die Landw. 58: 904-906. Oct. 30, 1943. 18 D48M

20995 SMITH, T. R. Internal marketing of New Zealand primary products. Econ. Rec. 19: 171-184. Dec. 1943. 280.8 Ec74

20996 THOMSEN, F. L. Post-war developments in marketing affecting New England agriculture. New England Res. Council on Market. and Food Supply. Proc. 1944: 3-5, processed. 252.004 N443M

20997 WEAVER, O. H. Transportation as it affects the canning industry. South. Canner and Packer 5(2): 10-11. Feb. 1944. 389.8 So82

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

20998 MONTGOMERY, D. E., and NICHOLS, G. A. Should grade labeling be made compulsory? Mod. Indus. 7(2): 105-106, 113, 115. Feb. 15, 1944. 280.8 M72

A debate in which Mr. Montgomery took the affirmative side and Mr. Nichols the negative.

20999 REID, M. G. Quality grade labeling, its past, present and future. Iowa Union Farmer 27(4): 4. Mar. 25, 1944. 280.28 Ie9

21000 VETERINARY [food inspection] service at an Army post. Vet. Med. 59: 81-142. Mar. 1944. 41.8 M69

Contents: [Standards of Army food inspection] by D. M. Campbell; The dairy industry; General considerations in dairy plant inspection; The fluid milk plant; The creamery; The milk condensery; The ice cream plant; The cheese factory; Use of the laboratory; Dairy farm inspection; Produce establishments; Poultry slaughtering; Shell eggs; Egg powder.

#### INDUSTRIAL UTILIZATION

21001 BERZAGHI, M. N. Sub-productos agrícolas. Ouro Branco 9(5): 12. Sept. 1943. 72.8 Ou7  
On the utilization of wasted agricultural byproducts.

21002 PECKHAM, G. T., JR. The commercial manufacture of lactic acid. Indus. and Engin. Chem., News Ed. 22: 440-443, 469. Mar. 25, 1944. 381 J825N

21003 RODRIGUES FILHO, A. J. A superioridade da cana sobre a mandioca para a produção de álcool. Brasil Açucareiro 22: 303, 304. Oct. 1943. 65.8 B73

21004 ROSENTHAL, FRITZ. Technical aspects of farm wastes in plastics. Pacific Plastics 1(4/5): 20-21. Oct. 1943. 309.8 P12

#### PACKING AND PACKAGING

21005 CONTINENTAL CAN CO. New facts about packaging and storing dehydrated food. Food Indus. 16(3): 63-67. Mar. 1944. 389.8 F737

21006 HIGHTOWER, GRACE. The food comes first in package design. Food Indus. 16(3): 73-74, 138. Mar. 1944. 389.8 F737

21007 LENZ, E. C. The water resistance of label adhesives on glass containers. Canner 98(16): 22, 24. Mar. 18, 1944. 286.83 C16



- 21008 RUECKERT, D. E. The principal features of Swift & Company's container re-use plan. Natl. Provisioner 110(14): 10-29. Apr. 1, 1944. 286.85 N21
- 21009 STEWART, J. A., and PILCHER, R. W. Can makers' wartime problems. Indus. and Engin. Chem., News Ed. 22: 422-434. Mar. 25, 1944. 381 J825N

## PRICES, PRICE CONTROL, AND RATIONING

- 21010 ABBATI, A. H. Mr. Hudson - "deflation-1st": an economist's view. Farmers Weekly (London) 20(13): 29. Mar. 31, 1944. 10 F2226  
Critical of the policy of lowered agricultural prices.
- 21011 ADY, P. Inflation in India. Oxford. Inst. Statist. Bul. 6: 9-16. Jan. 15, 1944. 280.9 0x2B  
Includes analysis of prices of food and other agricultural commodities.
- 21012 ASCHER, LEONARD. A statistical analysis of recent changes in commodity prices at wholesale. Amer. Statist. Assoc. Jour. 39(225): 35-41. Mar. 1944. 251 Am3  
Includes agricultural and food commodities.
- 21013 BRANDT, JOHN. Can bankers be prosperous without prosperous farmers? Mid-West. Banker 38(3): 10-11, 33-34. Mar. 1944. 284.28 B222  
Advocates a surplus-holding plan for controlling agricultural production and prices.
- 21014 CLEMENT, F. M. General price level for farm commodities can be improved only by group action; farm associations must be on commodity lines; price floor involves adequate supplies for the consumers. Country Life (Brit. Columbia) 28(3): 10-11. Mar. 1944. 7 C832
- 21015 THE COST of food. Economist (London) 146: 265-266. Feb. 26, 1944. 286.8 Ec7  
Government price policy for agricultural products.
- 21016 DEACHMAN, R. J. Is agriculture looking for trouble? Canad. Countryman 33(7): 34. Apr. 1, 1944. 7 C833  
Price policy for agricultural products.
- 21017 DONHAM, R. A. It costs more: food prices in Guide territory up 53 percent in two years - comparative prices. Ind. Farmers' Guide 100(6): 3. Mar. 15, 1944. 6 In2
- 21018 \*DUCOMMUN, C. F. A Swiss experiment: price compensation. Swiss Indus. and Trade 22(4): 12-13. Nov./Dec. 1943. 280.8 Sw6  
Includes price compensation funds for agricultural products.
- 21019 FLAHERTY, FRANK. The war and price control. Canad. Countryman 33(1): 3, 17. Jan. 8, 1944. 7 C833
- 21020 GREYER, E. T. Geographical price policies in the grocery trade, 1941: a note. Jour. Market. 8: 417-422. Apr. 1944. 280.38 J82
- 21021 HITCHCOCK, O. A. Black marketing. Social Ed. 8: 111-112. Mar. 1944. 280.8 S0123
- 21022 HORNEDO, EDUARDO. Congelación de precios y salarios. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(36): 54-56. Oct./Dec. 1943. 9.5 M31
- 21023 HORNEDO, EDUARDO. Economía de guerra. (To be cont.) Economista (Mexico) 11(121): 31-34. Mar. 1, 1944. 280.8 Ec793  
Analyzes the causes of rises in prices.
- 21024 JANSSEN, HANS. Governmental price policies in the Third Reich. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 423-428, processed. 1943. 241.8 P38  
Includes price policies on agricultural products.

- 21025 JOHNSON, J. S. No-point and low-point foods. Wholesale Grocer News 18(11): 47, 50-51. Feb. 1944. 286.83 W622  
Discusses OPA program for advertising no-point and low-point foods.
- 21026 KALECKI, M. Rationing and price control. Oxford. Inst. Statist. Bul. 6: 29-32. Feb. 5, 1944. 280.9 0x2B
- 21027 MAHER, E. F. What about prices for 1944? Quick Frozen Foods 6(8): 25, 51. Mar. 1944. 389.8 Q4  
Foodstuffs.
- 21028 MONTGOMERY, J. P. Prices received by farmers. La. Rural Econ. 6(1): 8. Feb. 1944. 281.8 L93
- 21029 POE, CLARENCE. Will the bottom drop out of farm prices? Farm for Victory, Feb. 1944, p. 5. 281.8 F226  
Post-war prospects.
- 21030 RUTHERFORD, R. S. G. Guaranteed prices and the farmers. Oxford. Inst. Statist. Bul. 6: 17-23. Feb. 5, 1944. 280.9 0x2B
- 21031 \*SCHWEIZERISCHE BANKGESELLSCHAFT. Die schweizerische preispolitik im zweiten weltkrieg. Schweiz. Bankgesell. Bul., No. 1, 14 p. Jan. 1944. 284.9 Sch92B
- 21032 TAYLOR, K. W. Revised chart of Foods Administration of the Wartime Prices and Trade Board. Food in Canada 4(3): 11-15. Mar. 1944. 389.8 F7323
- 21033 TREND of prices and cost of living in 1943. U. S. Bur. Labor Statist. Monthly Labor Rev. 58: 244-268. Feb. 1944. 158.6 B87M  
Includes food prices, supply and demand, and rationing.
- 21034 WAITE, W. C., and COX, R. W. Minnesota farm prices for February, 1944. Minn. Univ. Agr. Ext. Farm Business Notes, No. 255, p. 4. Mar. 22, 1944. 275.29 M663
- 21035 WAITE, W. C. The pressure of red point rationing. Jour. Market. 8: 422-424. Apr. 1944. 280.38 J82
- 21036 WILLIS, P. S. The black market (in food). New England Grocery and Market Mag. 12(6): 40, 50, 51. Apr. 1944. 286.83 W44A
- 21037 WOODRUFF, R. S. Revised index of prices received by farmers. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 20-22. Mar. 1944. 1 Ec7Ag
- 21038 WORKING, E. J. Price control and the wartime pricing of farm products. Jour. Farm Econ. 26: 110-121. Feb. 1944. 280.8 J822  
Discussion, by A. C. Hoffman, p. 121-123.
- 21039 WORSWICK, G. D. N. Points, prices and consumers' choice. Oxford. Inst. Statist. Bul. 6: 33-39. Feb. 26, 1944. 280.9 0x2B

## PROCESSING AND STORAGE

- 21040 ADRIANCE, G. W. Texas A. & M. College work in dehydration. South. Canner and Packer 5(1): 13. Jan. 1944. 389.8 S082
- 21041 ALLEN, W. H. Holding our own against dehydration. N. J. Farm and Garden 15(3): 6. Mar. 1944. 6 G162  
Stresses advantages of fresh food products over dehydrated or frozen products.
- 21042 BARCLAY, CORDELIA. From country kitchen to battleline mess kit: the story behind one label "Le-Ko", on Florida canned goods whose big recommendation is it's food for fighters. Fla. Grower 52(3): 10. Mar. 1944. 80 F6622
- 21043 BASS, L. W. Developments in dehydrated foods. New England Res. Council on Market. and Food Supply. Proc. 1944: 40-41, processed. 252.004 N443M



21044 BIRDSEYE, CLARENCE. Dehydrated foods must be good. Quick Frozen Foods 6(8): 80, 84. Mar. 1944. 389.8 Q4

21045 CANNING, J. B. Wartime developments in food processing and preserving. Jour. Farm Econ. 26: 144-154. Feb. 1944. 280.8 J822  
Discussion, by O. B. Jesness and R. K. Froker, p. 154-158.

21046 CHAPMAN, P.W. Community food preservation. Pract. Home Econ. 22: 106-107. Mar. 1944. 321.8 H752

21047 CLARK, WAYNE. Broker-canner relations. South. Canner & Packer 5(3): 12, 20, 22. Mar. 1944. 389.8 So82

21048 CRAFTS, A.S. Some effects of blanching. Food Indus. 16(3): 76-77. Mar. 1944. 389.8 F737

21049 CROSBIE-WALSH, T. Dehydrated foods. Internatl. Indus. 24: 378-381. Nov. 1943. 382 In8

21050 \*DAVID, and MUNCHBERG. Betrachtungen über wehrmachtskonserven vom tierärztlichen standpunkt. Ztschr. f. Veterinärk. 55: 213-225. Aug. 1943. 41.8 Z33

21051 DODDS, J. E. The dehydration program for 1944. Natl. Dehydrators Assoc. Proc. (1944) 3: 5-9, processed. 389.9 N219P

21052 DUNN, C. G. Dehydration from the Army's point of view. Natl. Dehydrators Assoc. Proc. (1944) 3: 9-14, processed. 389.9 N219P

21053 FABIAN, F. W. Symphony of flavor. Glass Packer 23: 278-279. Apr. 1944. 309.8 G463

21054 FARRELL, K. T. Make plans today for tomorrow's industry. Quick Frozen Foods 6(8): 78, 84. Mar. 1944. 389.8 Q4  
Dehydration of foodstuffs.

21055 FARRELL, K. T. What the dehydration industry needs. Natl. Dehydrators Assoc. Proc. (1944) 3: 22-25, processed. 389.9 N219P

21056 \*\*GRZNIWO, V. S., ZAKHAROVA, M. A., and NEMETS, S. M. Changes in the ash constituents of vegetables after the canning process. Konservnaya i Plodoovoshchnaya Prom. 11, No. 4, 17-19 (1940). Abs. in Chem. Abs. 38: 1291. Mar. 20, 1944. 381 Am33C

21057 \*HERM. Die auslaugung zerkleinerter pflanzenteile und die grundlagen für ihre ausführung, entwicklung und planung. Zuckerindustrie 1(1): 4-5. Apr. 17, 1943. 65.8 Z8

Extraction process in obtaining products from plants, such as sugar from sugar beets and oil from oilseeds.

21058 HOEY, J. J. Food freezing research at the Western Regional Research Laboratory. (Concl.) Ice and Refrig. 106: 157-159. Mar. 1944. 295.8 Ic2

21059 THE HOME economist and the community canning center. Amer. Cookery 49(7): 30-31, 36. Mar. 1944. 389.8 B65

21060 HULL, L. W. Food sublimation - new process. Food in Canada 4(3): 7-8. Mar. 1944. 389.8 F7323

Drying of foods in the frozen state.

21061 JOHNS, C. K. The Burri slant technique in the food industries. Food in Canada 4(3): 17-18. Mar. 1944. 389.8 F7323

Outlines a method of counting bacteria in foods.

21062 MCFARLANE, A. S. The drying of foodstuffs in the frozen state. Brit. Assoc. Refrig. Proc. (1942/43) 39: 69-78. 1943. 295.9 C67

21063 MELO, M. S. Corantes orgânicos artificiais em gêneros alimentícios. (To be cont.) Rev. Bras. de Quím. (Cien. & Indus.) 16: 391-396. Nov. 1943. 385 B322

21064 \*MERKLE. Betrachtungen über wehrmachtskonserven vom chemischen standpunkt aus. Ztschr. f. Veterinärk. 55: 226-241. Aug. 1943. 41.8 Z33

21065 MOYER, J. C. Can we produce the kind of dehydrated food the public wants? Natl. Dehydrators Assoc. Proc. (1944) 3: 14-18, processed. 389.9 N219P

21066 PATZIG, R. The adequacy of ice supplies and the preservation of perishable foods. Ice and Refrig. 106: 141-142. Mar. 1944. 295.8 Ic2

21067 POWELL, RUTH. Community canning in Arkansas. Ark. Farmer 46(3): 6. Mar. 1944. 6 Ar42

21068 PRATER, A. N., and others. Determination of sulfur dioxide in dehydrated foods. Indus. and Engin. Chem., Analyt. Ed. 16: 153-157. Mar. 1944. 381 J825A

C.M. Johnson, M.F. Pool, and G. Mackinney, joint authors.

21069 RADLEY, J. A. Fluorescence analysis in the food industry. Part III. Food Manufacture 19: 87-91. Mar. 1944. 389.8 F736

21070 RIDENOUR, P. D. Post-war planning. Natl. Food Distrib. Jour. 18(3): 21-22. Mar. 1944. 286.28 N212

On dehydrated foods.

21071 \*SANADZE, D. Kolkhoznye magaziny i Collective farm warehouses. Kolkhoznoe Proizvodstvo, No. 1, p. 10-11. Jan. 1943. 281.8 K83

21072 SERGER, H. Über chemische konservierungsmittel in der lebensmittelindustrie. Chem. Ztg. 67: 344-347. Dec. 15, 1943. 384 C427

21073 THURSBY, I. S. It's still "bullets and butter;" so grow the food and can the "ammunition." Fla. Grower 52(3): 8. Mar. 1944. 80 F6622

21074 TURNER, HOYT. Freezer lockers in Georgia. Locker Operator 6(8): 14-15. Mar. 1944. 295.8 L79

21075 YAWGER, E. S., JR. Will electronics revolutionize food sterilization? Canner 98(16): 15, 40. Mar. 18, 1944. 286.83 C16

21076 ZURER, OSCAR, and ABRAHAMSON, A. E. Food warehousing and food conservation. Assoc. Food and Drug Off. U. S. Quart. Bul. 8: 60-67. Apr. 1944. 389.9 As7Q

#### STATISTICS

21077 BECKER, J. A. Wartime changes in crop reporting. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 16-18. Mar. 1944. 1 Ec7Ag

21078 CALIF. STATE CHAMBER OF COMMERCE. RESEARCH DEPT. Economic survey series, 1943-1944, Rpts. 23-26. 4 nos., processed. San Francisco, 1944. 252.09 C129

Statistics on crops.

Contents: Rpt. 23, California fruit, nut and field crops--1942(rev., final); Rpt. 24, California truck crops--1942(rev., final); Rpt. 25, California fruit, nut and field crops--1943(prelim.); Rpt. 26, California truck crops--1943(prelim.).

21079 CASTRO, P. L. O Estado de São Paulo e sua agricultura. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 608-609. Aug. 1943. 68.29 Sa63

Statistics of the agricultural area.

21080 DENMARK'S foodstuffs - How much for the Nazis? U. S. Dept. Com. Foreign Com. Weekly 14(12): 7, 38. Mar. 18, 1944. 157.54 F763

"Based on a Danish Study, Submitted Through the U. S. Foreign Service."

Statistics of production and exports.

21081 GILE, B. M. Wartime production and income on Louisiana's farms. La. Rural Econ. 6(1): 2-3, 7. Feb. 1944. 281.8 L93

A statistical review, concerned mainly with production.



- 21082 \*HAMES, H. Disziplinierte statistik in der ernährungswirtschaft. Deut. Molk.- u. Fett-wirtsch. 1: 239. Sept. 17, 1943. 44.8 D485
- 21083 INSTITUTE OF INTERNATIONAL FINANCE OF N. Y. UNIVERSITY. Effect of the war on Brazil's economy. Inst. Internatl. Finance N. Y. Univ. Bul. 130, 35 p. New York, 1944. 284.9 In7  
Agricultural production and trade, with statistics, p. 4-14.
- 21084 \*PEDERSEN, AXEL. Planteavlten 1942. Ugeskr. for Landmaend 88: 8-12. Jan. 8, 1943. 11 Ug3  
Gives statistics for farm crops in Denmark.
- 21085 \*SCHWECHTEN. Erzeugungsreserven der französischen landwirtschaft. Mitt. f. die Landw. 58: 931. Nov. 6, 1943. 18 D48M  
Production statistics.
- 21086 \*SCHWEIZERISCHES BAUERNSEKRETARIAT. Preise landw. erzeugnisse und ernteerträge, im jahre 1942. Landw. Jahrb. der Schweiz 57: 695-728. 1943. 17 L23  
A statistical compilation.
- 21087 SHEPARD, J. B. Prospective crop yields for 1944. Cargill Crop Bul. 19(3): 8-10. Mar. 23, 1944. 281.8 C19
- BEVERAGES AND CONDIMENTS
- 21088 AMARAL, RUBENS DO. O sofisma bacharelesco. Rev. Rural Bras. 23(279): 24-25. Nov. 1943. 9.2 B733  
On the sacrifice quota for Brazilian coffee.
- 21089 ANDRADE, THEOPHILO DE. O regulamento de embarques. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 547-549. Oct. 1943. 286.83 D44  
Regulation of coffee consignments.
- 21090 ARROYO, RAFAEL. Preparación de vinos en el hogar usando la manzana malaya, también conocida como pomarrosa americana. Puerto Rico. Agr. Expt. Sta. (Rio Piedras) Agr. Expt. 3(3): 9-10. May/June 1943. 100 P83As
- 21091 \*B., A. Treuhänderische einlagerung von wein. Landesbauernschaft Württemb. Wchnbl. 110: 525. Sept. 18, 1943. 18 W96  
A system for marketing wine inaugurated by the Preisbildungsstelle and the Weinwirtschaftsverband.
- 21092 \*BENVEGNIN, L., and CAPT, E. De l'utilisation des mouts concentrés de raisins indigènes. Landw. Jahrb. der Schweiz 56: 515-553. 1942. 17 L23
- 21093 BONWIT, J. A. Coffee imports limited by price rather than by any lack of ships. Tea & Coffee Trade Jour. 86(3): 14. Mar. 1944. 68.8 T22
- 21094 BOYLE, JOE. The spice situation: under control. U. S. War Food Admin. Market. Activ. 7(2): 7-10, processed. Feb. 1944. 1.942 A8M34
- 21095 CROWELL, G. K. Estimation of caffeine in coffee extracts. Assoc. Off. Agr. Chem. Jour. 27: 168-171. Feb. 15, 1944. 381 As7
- 21096 DELGADO VIDAL, L. Pepas de oro. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(36): 43, 44. Oct./Dec. 1943. 9.5 M31  
Urges the need for producing better coffee in Ecuador.
- 21097 \*\*ESPAILLAT, R. A. The coffee industry of the Dominican Republic: Santo Domingo adapts coffee to the U. S. markets. Dominican Repub., Jan. 1944, p. 27+.  
Noted in Pub. Aff. Inform. Serv. Bul. 30(26): 3. Apr. 1, 1944. 241.11 P96
- 21098 ESPAILLAT, R. A. The coffee problem. Coffee Trade Rev. and Statis. Bul. 2(3): 8, 11. Mar. 1944. 68.28 C65  
Condensation of an article written for publication in Latin America. Recommends a policy for the coffee-producing countries of the hemisphere.
- 21099 FABIAN, F. W., and BURTRAW, H. J. Solubility studies on whole cloves. Fruit Prod. Jour. and Amer. Food Mfr. 23: 196-199, 215. Mar. 1944. 389.8 F94
- 21100 FERREIRA, R. DA C. Defeitos, impurezas e bebida. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 706-707. Sept. 1943. 68.29 Sa63  
On the quality of Brazilian coffees.
- 21101 FERREIRA, R. DA C. A escassez de cafés moles em S. Paulo. Agr. e Pecuaria 16(247): 8-9. Oct. 1943. 9.2 Ag89  
The quality of Brazilian coffees.
- 21102 FERREIRA, R. DA C. Plantio e zonas de produção. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 741. Nov. 1943. 286.83 D44  
Problems of the São Paulo coffee industry.
- 21103 GONÇALVES, ALVARO. Aristocracia rural e fidalgos do café. X. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 567-571. Oct. 1943. 286.83 D44  
Deals with the Brazilian coffee industry in the nineteenth century.
- 21104 \*GRÄTER. Was ist bei der obstmobstbereitung zu beachten? Landesbauernschaft Württemb. Wchnbl. 110: 514-515. Sept. 11, 1943. 18 W96  
Cider manufacture.
- 21105 GUARNIERI, J. C. Desarrollo de la industria vitivinícola en el Uruguay; síntesis histórica de sus primeras etapas. Campo y Arados 7(82): 20-21, 30. Dec. 1943. 9.9 C152
- 21106 \*HARTMANN, A. Das holzfass als süßmostbehälter. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 572-573. Oct. 22, 1943. 80 Sch9
- 21107 INFANTE RENGIFO, G. Bodegas vitivinícolas cooperativas. Unión Agr. del Sur 1(7): 52. Sept. 1943. 9.3 Un3  
The advantages of wine producers cooperatives and the activities of the Chilean Cooperativa Vitivinícola del Valle Central.
- 21108 \*\*KIELHÖFFER, E., and GUNTHER, P. The substitution of the addition of sugar solutions for dry sugar for the sweetening of wines. Wein u. Rebe. 23, 18-23, 39-50 (1941).  
Abs. in Chem. Abs. 38: 1317. Mar. 20, 1944. 381 Am33C
- 21109 \*KRAMER, O. Neuere probleme der kellerwirtschaft. Forschungsdienst, Sonderheft 16, p. 525-537. Berlin, 1942. Ref. 18 F772  
Problems of the wine industry.
- 21110 LEWINSOHN, RICHARD. Café e açúcar - dois aliados. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 719-724. Nov. 1943. 286.83 D44  
The effect of coffee upon sugar consumption is included.
- 21111 LEWINSOHN, RICHARD. O racionamento mundial de café. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 561-564. Oct. 1943. 286.83 D44  
Based upon two League of Nations' studies on rationing.
- 21112 LOPES, WALDEMAR. Nada de novo sobre o café. DNC; Rev. do Depto. Nac. do Café [Brasil]; 11: 725-729. Nov. 1943. 286.83 D44  
History of the use of coffee.
- 21113 \*LUTHI, HANS. Gärung mit oder ohne reinhefe? Schweiz. Ztschr. f. Obst- u. Weinbau 52: 507-513. Sept. 11, 1943. 80 Sch9
- 21114 \*MARCILLA ARRAZOLA, JUAN. Las levaduras en las industrias enológicas. Surco [Madrid] 2(20): 11-14. Oct. 1943. 15 Su7
- 21115 MARTIN, H. W. High wine prices are a threat. Wines & Vines 25(3): 11, 28. Mar. 1944. 95.8 C122



21116 MELLO, J. C. Relações comerciais chileno-brasileiras; um recorde nas exportações de café. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 718-722. Sept. 1943. 68.29 Sa63

21117 \*ONCEL, K. C. Şarapçılık ve sirkecilik [Production of wine and vinegar]. Turkey. Ziraat Vekâletî. Nesriyat. U. Sayı 560, 95 p. Ankara, 1943. 25 T842

21118 \*P., E. Die weinbau-organisationen in der Schweiz. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 627-629. Dec. 4, 1943. 80 Sch9

21119 \*PEYER, E. Die qualität des blauburgunders 1943 in zahlen verglichen mit dem jahrgang 1942. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 629-630. Dec. 4, 1943. 80 Sch9

21120 RUBINI, ARNALDO. La elaboración de los vinos blancos. (Cont.) Agronomía [Lima] 8(34): 57-77. Dec. 1943. 9.8 Ag83

21121 \*SCHELLENBERG, A. Die aussprache mit der käuferschaft über die definitive festsetzung der weinpreise. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 569-571. Oct. 22, 1943. 80 Sch9

21122 \*SCHELLENBERG, A. Die diesjährigen weinpreise. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 541-546. Oct. 9, 1943. 80 Sch9

21123 \*SCHELLENBERG, A. Schweizerischer Weinbauverein. Weinernteaussichten in der deutschen Schweiz im herbst 1943. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 497-505. Sept. 11, 1943. 80 Sch9  
Contains statistics of estimated production and prices.

21124 SILVEIRA, A. H. DA. Vinho e jeropiga de frutas. Chacaras e Quintais 69(1): 80-81. Jan. 15, 1944. 9.2 C34

Methods of manufacture and fruits which may be used.

21125 \*STEINBECK, H. J. Zur aufstellung neuer tafeln für die alkohol- und extraktbestimmung im wein. Germany. Reichs Gsndtsamt. Reichs-Gsndtsbl. 18: 249-250. Apr. 21, 1943. 449.75 G31vr

21126 TORRES FILHO, ARTHUR. A padronização e o problema cafeeiro no Brasil. Lavoura, ano 46, Aug./Dec. 1942, p.1-3. 9.2 L39

Figures given for trends in exports and prices.

#### DAIRY PRODUCTS

21127 \*ANDERSEN, K. L. Andelsosterier. Mælkeritidende 56: 865-867. Dec. 17, 1943. 44.8 M26

Chiefly suggestions on the establishment of cooperative cheese factories in Denmark.

21128 BAKER, ALLEN. Houston dairymen score another co-op success. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 7, 8. Feb. 1944. 166.2 N47

21129 BAUMEISTER, GEORGE. Consolidated Badger Co-op; sound business structure, loyal personnel made growth possible. Dairyland News 14(6): 1, 3. 5. Mar. 27, 1944. 290.28 W752

History and work of the organization, which handles dairy products.

21130 \*BEAU, MAURICE. La situation laitière. Lait 23: 188-192. Apr./June 1943. 44.8 L143  
Includes price statistics for France.

21131 BELLAIR, T. S. What is milk-stone? Austral. Milk and Dairy Prod. Jour. 10(9): 23. Sept. 1943. 44.8 Au72

21132 \*BERKING, HANS. Die milchwirtschaft in der Ukraine. Deut. Molk.- u. Fettwirtsch. 1: 289. Oct. 22, 1943. 44.8 D485

21133 \*BÖCK, Der wille zur leistung. Deut. Molk.- u. Fettwirtsch. 1: 309. Nov. 5, 1943. 44.8 D485

Urges increased dairy production for the fat supply.

21134 CLARK, MRS. GEORGE. How do folks react to goats milk? Goat World 29(3): 21-23. Mar. 1944. 40.18 G53

21135 DIXON, A. F. The New Jersey dairy problem from the producer's angle. Moos 4(8): 6-7, 14-15. Mar. 1944. 44.8 M78

21136 DOUKIER, LEÓN. La agremiación como medio de resolver el problema lechero. Esnea 30(1274): 4. Jan. 17, 1944. 44.8 Es5

Problems of the Argentine dairy industry.

21137 EYNON, B. G. Will the dairy industry be ready for the armistice? Milk Plant Monthly 33(3): 25-27, 28. Mar. 1944. 44.8 C864

21138 FRY, H. S. Dairying does a war job; inter-provincial conference reveals that only Canada and United Kingdom maintained milk flow in 1943 and that increased fluid milk consumption in Canada threatens butter ration and cheese exports to Britain. Country Guide 63(3): 9, 31-32. Mar. 1944. 7 G76

21139 \*KAUPE. Anrechnung von bezugschein gut-haben gegen bezugscheinschulden bei verschiedenen ernährungsfetten. Deut. Molk.- u. Fettwirtsch. 1: 98. June 11, 1943. 44.8 D485

Methods of keeping records for different fats in the dairy industry.

21140 \*KLOSE, GEORG. Die ausbildung von labor-anten und laboratoriumhilfskräften. Molk.-Ztg. [Hildesheim] 57: 172-173. Mar. 31, 1943. 44.8 M73

21141 \*KOCH, HERMANN. Ausbildung der milch-wirtschaftlichen laboranten und laboratoriumhilfe-kräfte. Deut. Molk.- u. Fettwirtsch. 1: 59. May 14, 1943. 44.8 D485

21142 KRISHNA IYER, P. R. Tuberculosis and the urban milk supply in India. Indian Farming 4: 355-357. July 1943. 22 In283

21143 MAESTRE WILKINSON, J. A. "Sunchales": Un ejemplar experimento cooperatista. Fed. Argentina de Coop. Tamberas Lda. Rev. 2(23): 20-23. June 1943. 280.28 F31

Achievements of the Fábrica de Manteca de las Cooperativas Unidas de Sunchales.

21144 MARÍA BUSTILLO, JOSÉ. Concurso lechero realizado en San Vicente. Res 11: 15282. Dec. 5, 1943. 286.85 R31

21145 MATHER, E. J. "Post-haste" planning by the ice cream industry for post-war. Ice Cream Trade Jour. 40(3): 14-15. 63. Mar. 1944. 389.8 Ic2

21146 MAUGHAN, M. O. Post-war planning in the dairy industry. South. Dairy Prod. Jour. 35(3): 12-14. Mar. 1944. 44.8 So83

21147 \*MAYER, E. Der neue grazer milchhof. Molk.-Ztg. [Hildesheim] 57: 173. Mar. 31, 1943. 44.8 M73

21148 NEWLANDER, J. A. Dairy judging awards. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 52-53. 44.9 V593

Judging dairy cattle and dairy products.

21149 \*NIEMEYER, GUSTROW. Die einföhrung des betrieblichen vorschlagswesens in den molkereien. Deut. Molk.- u. Fettwirtsch. 1: 70. May 21, 1943. 44.8 D485

21150 OSSER, ESTHER. New cheeses—new problems. U. S. War Food Admin. Market. Activ. 7(2): 15-16, processed. Feb. 1944. 1.942 A8M34

Regulation of cheese manufacture by the War Food Administration.

21151 \*OVCHAR-BEI, V. Cheese from sheep milk. Molochno-Maslodel'naya Prom. 7, No. 10/11, 13-14 (1940).

Abs. in Chem. Abs. 38: 1290. Mar. 20, 1944. 381 Am33C



- 21152 \*PEKARSKY, KARL. Milcherzeugungsschlacht im Sudetengau. Deut. Molk.- u. Fettwirtsch. 1: 394-395. Dec. 31, 1943. 44.8 D485  
The program followed for increased production.
- 21153 PERRIELLO, R. C. A gastroenteritis outbreak from food in which raw milk was the possible primary factor. Jour. Milk Technol. 7: 68-72. Mar./Apr. 1944. 44.8 J824
- 21154 \*PFIZENMAIER, KARL. Über die Ausbildung der Laboranten, Laborantinnen und Laboratoriumshelferkräfte in der Landesbauernschaft Kurmark. Deut. Molk.- u. Fettwirtsch. 1: 59. May 14, 1943. 44.8 D485
- 21155 REED, O. E. A changing world for dairymen. Country Gent. 114(4): 15, 58-59, 61. Apr. 1944. 6 C833
- 21156 REED, O. E. The dairy industry, today and tomorrow. Creamery Jour. 55(4): 8, 29. Apr. 1944. 44.8 C86
- 21157 \*ROEDER, GEORG. Molke für brauzwecke. (Concl.) Molk.-Ztg. Hildesheim, 57: 169-171. Mar. 31, 1943. 44.8 M73
- 21158 \*ROEDER, HANS. Die Ausbildung von Laboratoriumshelfern an der milchwirtschaftlichen Lehr- und Untersuchungsanstalt Königsberg/Pr. Deut. Molk.- u. Fettwirtsch. 1: 59-60. May 14, 1943. 44.8 D485
- 21159 \*SCHNEIDER, GEORG. Gedanken des molkereifachmannes zur milcherzeugungsschlacht. Deut. Molk.- u. Fettwirtsch. 1: 310-311. Nov. 5, 1943. 44.8 D485  
Duties of the dairy in the production drive.
- 21160 SHRADER, J. H. Scientific advances in the dairy industry; a review of much current literature. Jour. Milk Technol. 7: 98-109. Mar./Apr. 1944. Ref., p. 107-109. 44.8 J824  
Review of literature on laboratory research, health, nutrition, regulation, and industry.
- 21161 SKINNER, RAYMOND. Milk industry's vital war role. Milk Plant Monthly 33(3): 22-23. Mar. 1944. 44.8 C864  
Also in Dairy World [Chicago] 22(10): 8-10. Mar. 1944. 44.8 D1423; Milk Dealer 33(6): 34, 84. Mar. 1944. 44.8 M595
- 21162 SPENCER, LELAND. Possibilities in the post-war milk situation. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 66-72. 44.9 V593
- 21163 STITTS, T. G. Changing dairy problems. Milk Prod. 10(2): 1. Mar. 1944. 44.8 M5993
- 21164 STITTS, T. G. The Government's 1944 butter program. Creamery Jour. 55(3): 8, 31. Mar. 1944. 44.8 C86
- 21165 URNER-BARRY COMPANY. Who's who in the butter, cheese and milk industries, 1943. Amer. Butter Rev. 5(13): 1-344. Dec. 1943. 44.8 Am37
- 21166 \*VANGSGAARD, HANS. Andelsosterier. Mælkeritidende 56: 831-833. Dec. 3, 1943. 44.8 M26  
Advocates the establishment of cooperative cheese factories in Denmark.
- 21167 \*VERMEULEN, W. Das betriebliche vorschlagswesen in molkereien und käseereien. Deut. Molk.- u. Fettwirtsch. 1: 269-270. Oct. 8, 1943. 44.8 D485
- 21168 WALKER, E. L. Get ready the American way. Ice Cream Field 43(3): 34, 37-38, 40-41. Mar. 1944. 389.8 Ic23  
Dairy industry post-war planning.
- 21169 \*WEITZMANN, OSKAR. Vier kriegsjahre deutsche milchwirtschaft. Deut. Molk.- u. Fettwirtsch. 1: 270-271. Oct. 8, 1943. 44.8 D485
- 21170 WILSTER, G. H. Dairy products during wartime. West. Livestock Jour. 22(24): 93, 112-113. Mar. 15, 1944. 6 F2278  
Discusses nutritive value, production, consumption, and future supply.
- 21171 WITTE, W. L. Pure Milk Products Co-op. Dairyland News 14(5): 1, 3, 5. Mar. 13, 1944. 280.28 W752  
History of the Pure Milk Products Cooperative, in Wisconsin.
- 21172 \*WURSTER, K. Die milcherzeugungsschlacht in Baden. Deut. Molk.- u. Fettwirtsch. 1: 298-299. Oct. 29, 1943. 44.8 D485
- Analysis and Composition
- 21173 BREMER, H. E. The value of the milk serum agglutination test in safeguarding raw milk supplies. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 60-65. 44.9 V593
- 21174 CONE, J. F. The effect of machine milking upon the leucocyte count and the chloride content of milk. Jour. Dairy Sci. 27: 215-224. Mar. 1944. 44.8 J822
- 21175 FERNÁNDEZ, G. M. La leche, breve estudio. (Concl.) Campo [Buenos Aires] 28(326): 10-11. Dec. 1943. 9 C15  
Detection of adulteration.
- 21176 FERNÁNDEZ, GUSTAVO. La leche. Campo [Buenos Aires] 28(325): 8. Nov. 1943. 9 C15  
Method of fat determination.
- 21177 GOMES, F. P. Como varia durante o ano a porcentagem de gordura do leite em Piracicaba. Rev. de Agr. [Piracicaba] 18: 319-333. Sept./Oct. 1943. 9.2 R324
- 21178 GUNDERSON, N. O., and ANDERSON, C. W. Applying the direct microscopic and swab tests in a milk control program. Jour. Milk Technol. 7: 73-77. 110. Apr. 1944. 44.8 J824
- 21179 HENDERSON, J. L., and JACK, E. L. The fractionation of milk fat from a solvent at low temperatures. Oil & Soap 21: 90-92. Mar. 1944. 307.8 J82
- 21180 JOHNS, C. K. Milk control development; new tests for milk quality have brought new methods of handling milk for best results. Canad. Dairy and Ice Cream Jour. 23(3): 48-49, 54. Mar. 1944. 44.8 C162
- Bacteriological tests.
- 21181 \*KÖESTLER, G. Ueber den eiweissabbau im käse. Landw. Jahrb. der Schweiz 57: 499-519. 1943. 17 L23
- 21182 MORRIS, C. S., and EDWARDS, M. Effect of high cell content on resazurin and M. B. tests. Dairy Indus. 9: 92-96. Feb. 1944. 44.8 D1427
- 21183 PEDERSON, M. G. Evaluation of dairy products, quality control tests. South. Dairy Prod. Jour. 35(3): 50-52. Mar. 1944. 44.8 So83
- 21184 \*POPOVA, M. I. A rapid method for determining proteins in milk. Leningrad Inst. Sovet. Torgovli. Trudy No. 5, p. 44-53. 1940; Khim. Ref. Zhur. 4(9): 89. 1941.  
Abs. in Chem. Abs. 38: 800. Feb. 20, 1944. 381 Am33C
- 21185 PYNNE, G. T. The micro-determination of calcium and magnesium in milk. Analyst 68: 330. Nov. 1943. 382 Anl
- 21186 \*RIEDEL, W., and KOTTERER, R. Die Genauigkeit der fettgehaltsbestimmungen im rahm mittels der schnellmethode nach Dr. G. Roeder. Deut. Molk.- u. Fettwirtsch. 1: 100-101. June 11, 1943. 44.8 D485



21187 \*ROEDER, GEORG. Weitere untersuchungen über die rückgewinnung von amyalkohol aus rückständen der fettbestimmung. Deut. Molk.- u. Fettwirtsch. 1: 231. Sept. 10, 1943. 44.8 D485  
Analysis of dairy products.

21188 ROGICK, F. A. Análises físico-químicas do leite proveniente de rebanhos bovinos, localizados em diversas regiões do Estado de São Paulo. Bol. de Indus. Anim. (n. s.) 6(3): 59-65. July 1943. 49 R324

21189 \*SCHULZ, and SENF. Gasentwicklung und überdruck in butyrometern bei der Gerberschen fettbestimmung. Deut. Molk.- u. Fettwirtsch. 1: 71. May 21, 1943. 44.8 D485

21190 \*SCHWARZ, G., and MUMM, H. Kurzer beitrag zur rahmfettbestimmung nach der säuremethode. Deut. Molk.- u. Fettwirtsch. 1: 349-350. Dec. 3, 1943. 44.8 D485

21191 SLATTER, W. L. Composite milk samples. Milk Dealer 33(6): 44-45. Mar. 1944. 44.8 M595

21192 SLATTER, W. L. Milk quality tests. Dairy World [Chicago] 22(10): 22-23. Mar. 1944. 44.8 D1423

21193 SORIANO, A. M. DE. Contralores microscópicos y microbiológicos en mantecas. Rev. Argentina de Agron. 9: 193-203. Sept. 1942. 9 R327

21194 TEIXEIRA E SILVA, H. M. Considerações sobre leite fraudado. Bol. de Indus. Anim. (n. s.) 6(3): 27-29. July 1943. 49 R324

21195 WILEY, W. J. Chemistry of butter fat and tropical spread. Austral. Milk and Dairy Prod. Jour. 10(9): 15-18. Sept. 1943. 44.8 Au72

#### Distribution, Marketing, and Transportation

21196 ALEXANDER, W. H. Wartime milk production and transportation in the Shreveport, Louisiana milkshed. La. Rural Econ. 6(1): 4-5. Feb. 1944. 281.8 L93

21197 DALGLISH, F. W. Problems in consolidating truck transportation of milk in Vermont. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 43-48. 44.9 V593

21198 DOW, G. F. Evaporated milk as a competitor of fresh milk and cream. [Summary.] New England Res. Council on Market. and Food Supply. Proc. 1944: 9-10, processed. 252.004 M443M

21199 DUBROVSKY, MARCOS. Nuestro problema: del productor al consumidor. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(6): 4. Jan. 1942. 280.28 F31  
Advantages of cooperative marketing of dairy products.

21200 ESMOND, C. W. Far-visioned milk distributors use fieldmen. Milk Plant Monthly 33(3): 44. Mar. 1944. 44.8 C864

21201 ESMOND, C. W. Merchandising [ice cream]. Ice Cream Field 43(3): 14, 66-67. Mar. 1944. 389.8 Ic23

21202 ESTEFANEL, N. C. Manteca de consumo y de exportación; sus diversas calidades. Campo [Buenos Aires] 28(325): 10, 12-13. Nov. 1943. 9 C15

21203 FOREST, KEN. Steffen's ice cream [fountain] school for dealers by mail. Ice Cream Field 43(3): 12, 67. Mar. 1944. 389.8 Ic23

21204 \*FRINGS, PAUL. Änderung in der verteilung von sauermilch-, schicht- und kochkäse. Deut. Molk.- u. Fettwirtsch. 1: 290. Oct. 22, 1943. 44.8 D485

21205 \*FRINGS, PAUL. Neue grundlagen für die regelung des käsemarktes. Deut. Molk.- u. Fettwirtsch. 1: 58-59. May 14, 1943. 44.8 D485

21206 \*GODBERSEN, W. Die verteilung von süßrahmbutter durch den buttergrosshandel. Deut. Molk.- u. Fettwirtsch. 1(1): 3-4. Apr. 9, 1943. 44.8 D485

21207 HOLMES, J. C. Interim report on the Colebrook plan of milk transportation. New England Res. Council on Market. and Food Supply. Proc. 1944: 20-22, processed. 252.004 M443M

21208 MCCAMPBELL, F. H. Sources of supply for Pacific Coast dairy markets. Pacific Dairy Rev. 48(3): 12. Mar. 1944. 286.85 P11

Statistics by States of butter and cheese supplied to the San Francisco and Los Angeles markets.

21209 MERRILL, EZRA. Problems that will confront the New England dairy industry after the war. New England Res. Council on Market. and Food Supply. Proc. 1944: 6-8, processed. 252.004 M443M  
Market demand, prices, distribution methods.

21210 NETTO, F. A. Beneficiamento do leite; transporte. Rev. dos Criadores 15(1): 51-53. Jan. 1944. 43.8 R32

21211 \*NIELSEN, RASMUS. Smørsalg efter andelsprincipet. Mælkeritidende 56: 863-865. Dec. 17, 1943. 44.8 M26

Cooperative sale of butter in Denmark.

21212 STECK, L. J. One year under Food Distribution Order No. 11. Milk Dealer 33(6): 24, 52. Mar. 1944. 44.8 M595  
Milk marketing.

21213 STITTS, T. G. The war job of milk distributors. Fed. Milk Market Admin. Rptr. 5(1): 8-10, processed. Jan. 1944. 280.38 F31

Also in South. Dairy Prod. Jour. 35(3): 40-41, 46-48. Mar. 1944. 44.8 So83

21214 \*TÖBL, JOSEF. Das wiener milchgeschäft im kriegseinsatz. Deut. Molk.- u. Fettwirtsch. 1: 219-220. Sept. 3, 1943. 44.8 D485

#### Grading, Inspection, Standardization, and Quality

21215 BABCOCK, C. J. Safeguarding the public milk supply in war time. Milk Dealer 33(6): 31-32, 72, 74. Mar. 1944. 44.8 M595

21216 \*BAUER, R., and FRAAS. Massnahmen zur sicherstellung einwandfreier frischmilch in Württemberg. Deut. Molk.- u. Fettwirtsch. 1: 78-80. May 28, 1943. 44.8 D485

Pasteurization and standardization.

21217 BREED, R. S. Laboratory control of milk during war time. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943) 22: 31-42. 44.9 V593

Bacteria and quality control.

21218 GRIM, G. W. The effect of the national emergency on standards of sanitation for foods and dairy products. Assoc. Food and Drug Off. of U. S. Quart. Bul. 8: 53-60. Apr. 1944. 389.9 As7Q

21219 JUDKINS, H. F. How to develop and maintain [milk] quality consciousness in the blood stream of an organization. South. Dairy Prod. Jour. 35(3): 54-55, 59-60. Mar. 1944. 44.8 So83

21220 KENT, O. ST. J. Milk quality. Queensland Agr. Jour. 58: 100-103. Feb. 1944. 23 Q33  
Discusses care and handling.

21221 McDONALD, CHARLES. Meeting plant inspection during this war emergency. Dairy World [Chicago] 22(10): 14-15, 47-48. Mar. 1944. 44.8 D1423

Dairy farm and milk inspection.

21222 SORIANO, A. M. DE. Examen bacteriologico de los helados que se consumen en la ciudad de Buenos Aires. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 522-542. 1942. 389.9 Ar3Pu



Industrial Utilization

21223 APLICACIONES de la caseína. Fed. Argentina de Coop. Tambaras Lda. Rev. 2(21): 14-16. Apr. 1943. 280.28 F31

From a pamphlet distributed by the firm Daniel G. Posadas. Includes processing of casein, analysis, and uses.

Packing and Packaging

21224 LEA, W. L., and FLUCK, W. Z. The potential lead hazard in the milk canning industry. Jour. Indus. Hyg. and Toxicol. 26: 94-98. Mar. 1944. 449.8 J823

Prices, Price Control, and Rationing

21225 BOWER, R. P. Milk prices in Newfoundland further increased. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 106. Feb. 5, 1944. 286.8 C16

21226 CASTLE, C. V. Dairy inflation. Calif. Dairyman 23(22): 9. Dec. 11, 1943. 44.8 C12  
Effect of feed shortages and prices on the Los Angeles dairy industry.

21227 \*EFKES, ULRICH. Die Käsepreise in den gebieten der milch- und fettwirtschaftsverbände Allgäu, Bayern, Bayreuth und Württemberg. 2. Nachtrag. Deut. Mol.- u. Fettwirtsch. 1: 60-61. May 14, 1943. 44.8 D485

21228 FRENEAU, FERNANDO. Base económica para fijar precios y discriminar lo que corresponde a cada una de las partes que intervienen en el abasto de leche. (Cont.) Esnea 30(1273): 1; (1274): 1. Jan. 10, 17, 1944. 44.8 Es5

Refers to Argentina.

21229 "GÜEYAGÜEY." El Consejo Argentino de la Leche y sus consejos. Buenos Aires y la Pampa 7(71): 11-12. Dec. 1943. 9 B868

Critical of the Council's approach to economic problems of the industry, particularly in fixing the price of milk without sufficiently studying cost of production.

21230 SPENCER, LELAND. Effect of price ceilings and subsidies on milk production. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943)22: 21-30. 44.9 V593

21231 \*VOPELIUS, O., and SCHNEIDER, JOS. Milchfettgehalt und milchpreis. Mol. Ztg. (Hildesheim) 57: 165-167. Mar. 1943. 44.8 M73

21232 \*WINNIGSTEDT. Rinderzucht und milchwirtschaft. Deut. Mol.- u. Fettwirtsch. 1: 16-17. Apr. 16, 1943. 44.8 D485

The dairy industry and milk prices in western Germany.

Processing and Storage

21233 ABRAHAM, S., and OUTWATER, C. H. The effects of farm cooling methods and transportation on the temperature of night's milk. Jour. Milk Technol. 7: 78-84. Mar./Apr. 1944. 44.8 J824

21234 ANDREWS, JOHN, and FUCHS, A. W. National inventory of needs for sanitation facilities. II. Milk pasteurization facilities. U. S. Pub. Health Serv. Rpts. 59: 189-204. Feb. 11, 1944. 151.65 P96

21235 BARKWORTH, H. Advisory dairy bacteriologists; papers published from 1925-1943. Pt. I. (A review.) Dairy Indus. 9: 100-106. Feb. 1944. Ref., p. 105-106. 44.8 D1427

Bacteriology of milk and dairy products.

21236 \*BENTZ, FRITZ. Die herstellung, verpackung und untersuchung von sauermilchquark. Deut. Mol.- u. Fettwirtsch. 1: 50-51. May 7, 1943. 44.8 D485

21237 BRERETON, J. G. Electrode decomposition potentials and migration of milk constituents when subjected to a direct current. Cornell Univ. Abs. of Theses, 1942: 252-256. 1943. 241.8 C81

21238 BRYAN, C. S., and BRYAN, P. S. The viability of certain udder infection bacteria in butter made from raw cream. Jour. Milk Technol. 7: 65-67. Mar./Apr. 1944. 44.8 J824

21239 CAMBIASSO, REGINA. Fabricación del queso tipo Munster. Fed. Argentina de Coop. Tambaras Lda. Rev. 1(6): 13. Jan. 1942. 280.28 F31

21240 CHAPMAN, R. A., and MCFARLANE, W. D. Fat-peroxides and the keeping qualities of milk powders. Canad. Dairy and Ice Cream Jour. 23(3): 23-25. 60. Mar. 1944. 44.8 C162

21241 DAHLBERG, A. C. Characteristics of ice cream mix as affected by new ingredients. Ice Cream Field 43(3): 10, 20, 42. Mar. 1944. 389.8 Ic23

21242 DAURIA, A. V. Algunas consideraciones sobre la pasteurización de la leche. Fed. Argentina de Coop. Tambaras Lda. Rev. 2(18): 10-11. Jan. 1943. 280.28 F31

21243 DAVIS, J. G. The pasteurization of milk. Food Manufacture 19: 91-92. Mar. 1, 1944. 389.3 F736

21244 DEANE, D. D. Bacteriological observations on the ripening of Cheddar cheese. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 180-184, processed. 1943. 241.8 P38

21245 DOMINGUES, OCTAVIO. Sobre leite e manteiga. Chacaras e Quintais 68: 561. Nov. 15, 1943. 9.2 C34

Relation of fat in milk of several breeds of dairy cattle to amount of butter produced.

21246 EBACH, K. Die molke in der lebensmittel-industrie. Chem.-Ztg. 67: 321-324. Nov. 17, 1943. Ref., p. 323-324. 384 C427

21247 \*EGGER, F. Ein angeblicher milchdiebstahl und seine aufklärung. Ztschr. f. Untersuchung, der Lebensmittel. 85: 59-64. Jan. 1943. 354 Z39

21248 EEB, J. H. Conserving milk solids in ice cream. Ice Cream Field 43(3): 24. Mar. 1944. 389.8 Ic23

Also in Ice Cream Trade Jour. 40(3): 20. Mar. 1944. 389.8 Ic2

21249 ESCUERDO, PEDRO. Sobre la inconveniencia de la pasteurización obligatoria de la leche de abasto. Argentina. Inst. Nac. de la Nutr. Fol. 7, Ed. 2, 78 p. Buenos Aires, 1940. 389.9 Ar3F

21250 ESMOND, C. W. Maintaining the "spread." Milk Dealer 33(6): 47. Mar. 1944. 44.8 M595

Homogenized milk.

21251 ETCHANDY, A. M. Queso tipo "Belpaese" y conservación a baja temperatura. Uruguay. Univ. Facult. de Agron. Rev. 32, p. 169-202. May 1943. 102.5 M76R

21252 \*FRIEDEL, GEORG. Säuerungshemmungen im Käseerbetrieb. Deut. Mol.- u. Fettwirtsch. 1: 250. Sept. 24, 1943. 44.8 D485

21253 GOULD, I. A. Relationship of fat acidity to rancidity in homogenized raw milk. Jour. Dairy Sci. 27: 167-172. Mar. 1944. 44.8 J822

21254 GOULD, I. A., and JOHNSON, B. C. Solubility and volatility of fatty acids involved in lipolysis in homogenized raw milk. Jour. Dairy Sci. 27: 173-180. Mar. 1944. 44.8 J822

21255 \*GRIGORYANTS, N. N. Conditions for preparation of milk by adding to dried milk the water of the Kara-Kum region. Sovet. Zdravookhranenie Turkmenii, No. 1, p. 25-28. 1942.

Abs. in Chem. Abs. 38: 800, Feb. 20, 1944. 381 Am33C



- 21256 GUTIÉRREZ, RICARDO. Algo sobre la leche. Agr. Mex. 59(12): 11-12. Dec. 1943. 8 Ag8  
Care and handling of milk.
- 21257 \*HALTENBERGER, OTTO. Der allgäuer pilzweisslacker - eine neue käsesorte. Deut. Molk.- u. Fettwirtsch. 1: 260. Oct. 1, 1943. 44.8 D485
- 21258 HANKINSON, D. J. A study of shrinkage in ice cream. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 397-399, processed. 1943. 241.8 P38
- 21259 HARRINGTON, B. L., and KRUKOVSKY, V. N. The riddle of bitter milk. Canad. Dairy and Ice Cream Jour. 23(3): 45, 53. Mar. 1944. 44.8 C162
- 21260 HLYNKA, I., HOOD, E. G., and GIBSON, C. A. Further studies on the effect of agitation and temperature as a cause of rancidity in Cheddar cheese. Canad. Dairy and Ice Cream Jour. 23(3): 26-28, 60. Mar. 1944. 44.8 C162
- 21261 JAMIESON, M. C., and CHEN, H. K. Combating microbial sabotage in dairy operations. Canad. Dairy and Ice Cream Jour. 23(3): 35-36, 52-53. Mar. 1944. 44.8 C162  
Prevention of udder bacteria, care and handling of milk, and sterilization of equipment.
- 21262 \*JENSEN, H. M. Gamle og nye kaerningsteorier. II-V. Maelkeritidende 56: 824-829, 841-846. Dec. 3, 10, 1943. 44.8 M26  
Old and new churning theories.  
Reprinted from "Officieel Orgaan v. d. F. N. Z." 1941.
- 21263 \*KARAESMEN, FIKRI. Sütçülük Dairy industry. Turkey. Ziraat Vekâleti. Nesriyat. Sayı 577, 41 p. Istanbul, 1943. 25 T842  
Instructions in sanitary milk production and manufacture of butter and cheese.
- 21264 \*KELLER, Fehler im Speisequark. Deut. Molk.- u. Fettwirtsch. 1: 238. Sept. 17, 1943. 44.8 D485
- 21265 KENT, O. ST. J. Cottage cheese. Queensland Agr. Jour. 58: 103-104. Feb. 1944. 23 Q33
- 21266 \*KOEHLER, P. Rohwarenlagerung, -reinigung und -behandlung in den käseschmelzwerken. Deut. Molk.- u. Fettwirtsch. 1: 218. Sept. 3, 1943. 44.8 D485
- 21267 \*KÖESTLER, G. Ueber teigverschiedenheiten in ein und demselben Emmentalerkäse. Landw. Jahrb. der Schweiz 57: 266-289. 1943. 17 L23
- 21268 LEAR, S. A. The relationship of bacteria to the development of oxidized flavor in milk. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 393-396, processed. 1943. 241.8 P38
- 21269 \*LITT, JOHS. Frostgefahren für die molkereien. Deut. Molk.- u. Fettwirtsch. 1: 350. Dec. 3, 1943. 44.8 D485
- 21270 LUCCHESINI, CARLOS. Aprovechamiento de reducidas cantidades de leche mediante la elaboración de quesos de chacra. Fed. Argentina de Coop. Tamberas Lda. Rev. 1(7): 7-8. Feb. 1942. 280.28 F31
- 21271 \*MAIER, FRANZ. Die buttermilch als bakteriologisches spiegelbild der butter. Deut. Molk.- u. Fettwirtsch. 1: 279-280. Oct. 15, 1943. 44.8 D485
- 21272 MASON, MRS. K. M. Pasteurization--is it the remedy? Farmers Weekly London, 20(8): 27. Feb. 25, 1944. 10 F2226
- 21273 \*MERGNER, H. Die käseausbeute und ihre berechnung. Deut. Molk.- u. Fettwirtsch. 1: 279. Oct. 15, 1943. 44.8 D485
- 21274 MOLDAVAN, ANDREW. Greater milk plant efficiency may solve your problems. Canad. Dairy and Ice Cream Jour. 23(3): 32-34, 56. Mar. 1944. 44.8 C162
- 21275 \*MUNIN, FELIX. Über die butterfehler "rübenfuttrig" und "faulig-futtrig." Fette u. Seifen 50: 410-412. Aug. 1943. 384 C422
- 21276 \*NAESLUND, A. 8-19-16 metoden. Maelkeritidende 56: 857-860. Dec. 17, 1943. 44.8 M26  
Method of maintaining temperature of cream for butter making to prevent crumbliness.
- 21277 NATIONAL RESEARCH INSTITUTE, READING, ENGLAND. Efficient cooling of milk. Canad. Dairy and Ice Cream Jour. 23(3): 51, 58. Mar. 1944. 44.8 C162
- 21278 NELSON, J. A. Barny flavor in milk. Mont. Farmer 31(13): 15. Mar. 1, 1944. 6 M764
- 21279 NETTO, F. A. El mejoramiento de la leche...y el control de las temperaturas...la pasteurización de corta duración. Chihuahua Ganad. 4 (47): 16-17, 19-22. Nov. 1, 1943. 43.8 C43
- 21280 NETTO, F. A. Outros aspectos do problema do leite. Rev. dos Criadores 14(16): 55-56. Dec. 1943. 43.8 R32  
Pasteurization of milk.
- 21281 OLSON, F. C., and BROWN, W. C. Oxidized flavor in milk. XIII. Studies of cupric complexes of ascorbic acid and certain amino acids and their possible relationship to oxidized flavor development in milk. Jour. Dairy Sci. 27: 197-204. Mar. 1944. 44.8 J822
- 21282 OLSON, F. C., and BROWN, W. C. Oxidized flavor in milk. XIV. A possible mode of action of inhibitors in preventing the development of oxidized flavor in milk. Jour. Dairy Sci. 27: 205-213. Mar. 1944. Ref. 44.8 J822
- 21283 POUNDEN, W. D. Abnormal milk caused by strong-flavored feeds, improper handling, bacterial contamination, and mastitis. North Amer. Vet. 25: 212-214, 223. Apr. 1944. 41.8 N812
- 21284 RAMSEY, R. J. Ices and sherbets; some working formulas and production hints to overcome defects. Ice Cream Field 43(3): 8, 66. Mar. 1944. 389.8 Ic23
- 21285 \*ROEDER, HANS, and KRAMER, RICHARD. Beiträge zur aufklärung eines häufig auftretenden milch- und butterfehlers. Deut. Molk.- u. Fettwirtsch. 1: 130. July 2, 1943. 44.8 D485
- 21286 SANZ EGAÑA, CESAREO. Características de las leches anormales. Res 11: 15153-15154. Nov. 5, 1943. 286.85 R31  
Flavor and odor, acidity, bacteria, etc.
- 21287 \*SEELEMAN, M. Erhaltung und förderung der trinkmilchqualität im kriege. Deut. Molk.- u. Fettwirtsch. 1: 26-27. Apr. 22, 1943. 44.8 D485
- 21288 STEWART, A. P., JR. The effect of the interaction of casein and lactose on certain properties of milk and milk products. Cornell Univ. Abs. of Theses, 1942: 472-475. 1943. 241.8 C81
- 21289 TOTMAN, C. C. Preventing processing butter losses. Creamery Jour. 55(4): 5. Apr. 1944. 44.8 C86
- 21290 TRONERUD, CONRAD. Experiments with Roquefort in Norway. Amer. Dairy Goat News 5(9): 21. Mar. 1944. 40.18 Am34
- 21291 WECKEL, K. G. Filtering milk on the farm; a step in quality production. Wis. Agr. and Farmer 71(6): 16. Mar. 18, 1944. 6 W751
- 21292 \*WEIGMANN, H. Die pasteurisierung aer käsemilch. (Cont.) Deut. Molk.- u. Fettwirtsch. 1: 118, 120, 130-131. June 25, July 2, 1943. 44.8 D485

## Statistics

- 21293 DAVIS, J. L. Britain's milk industry. Canada. Dept. Agr. Market. Serv. Dairy News Letter 25(3): 4-5, processed. Mar. 1944. 44.9 C16Da  
Statistics of production and consumption.



- 21294 \*JECKEL, PAUL. Die vierteljährliche milchgeldabrechnung. Deut. Molk.- u. Fettwirtsch. 1: 318-320. Nov. 12, 1943. 44.8 D485
- 21295 \*MARTEN, W. Gedanken über die vierteljährliche milchabrechnung. Deut. Molk.- u. Fettwirtsch. 1: 258-259. Oct. 1, 1943. 44.8 D485
- 21296 THE PRODUCTION and consumption of dairy products, 1924-43. U. S. Bur. Agr. Econ. Natl. Food Situation, NFS-14, p. 12-17, processed. Mar. 1944. 1.941 S2F73  
Statistics.
- 21297 RIBEIRO, J. A. Estatística da produção de queijos. Rev. dos Criadores 15(1): 54-56. Jan. 1944. 43.8 R32  
World, Argentine, and Brazilian production.
- 21298 \*SIEVERS. Die leistungen der kurnmärkischen molkereien. Deut. Molk.- u. Fettwirtsch. 1: 393-394. Dec. 31, 1943. 44.8 D485  
A statistical review.
- 21299 \*WEBER, L. Warum vierteljährliche milchabrechnung? Deut. Molk.- u. Fettwirtsch. 1: 229-230. Sept. 10, 1943. 44.8 D485
- 21300 \*ZOLLIKOFER, E., and RICHARD, O. Untersuchungen an silagemilch: (Das säuerungsvermögen von milchsäurebakterien in silagemilch); (Der laktoflavinhalt von heu- und silomilch). Landw. Jahrb. der Schweiz 57: 678-694. 1943. 17 L23

## FEED AND FORAGE CROPS

- 21301 \*BERICHT über die kontrolltätigkeit der Eidg. agrikulturchemischen Anstalt Liebefeld-Bern in den jahren 1940-1942. Landw. Jahrb. der Schweiz 57: 647-677. 1943. 17 L23  
Includes control of fertilizers and feeds.
- 21302 CECIL, W. J. The feed buyer and the feed shortage. Calif. Dairyman 24(3): 2, 7-8. Mar. 18, 1944. 44.8 G12  
The California feed law and its enforcement.
- 21303 CECIL, W. J. Feed stuff labels. Calif. Milk News 22(24): 5, 8. Mar. 17, 1944. 44.8 G124
- 21304 DICKERSON, W. H., JR. Drying hay in the barn by forced ventilation. Va. Agr. Col. Ext. Div. News 26(6): 5-6. Apr. 1944. 275.29 V81E
- 21305 FREDERICK, H. E. Increased demand from two types of feeders is changing feed business. Feed Bag 20(3): 21-22, 92. Mar. 1944. 389.78 F32
- 21306 \*HEIM, B. Die ernte 1943 und deren rationelle verwertung. Landesbauernschaft Württemb. Wchnbl. 110: 320-321. May 22, 1943. 18 W96  
Includes outlook for the coming harvest, supply of foods, and rational utilization on the farm of feeds by converting them into animal products.
- 21307 MATZEN, E. H. The feed situation: Mid-West headed toward shortage of feed—too much livestock. Ind. Farmers' Guide 100(7): 12. Apr. 1, 1944. 6 In2
- 21308 SCOTT, W. K. Carolina's feed tonnage. Flour & Feed 44(10): 20. Mar. 1944. 298.8 F66  
Activities of the North Carolina Department of Agriculture during the year 1943.
- 21309 \*SHAIN, S. S. Organizatsiia uborki kormov v kolkhozakh i ikh oprikhodovanie. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 80/81, 4 p. July 1943. 20 S448  
Cost accounting, and storage of feed on the collective farms.
- 21310 WALKER, L. S. Regulatory problems. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Busb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943)22: 144-149. 44.9 V593  
Explains the Vermont Feed Law.
- 21311 \*WOERMANN, E. Der futterbedarf der deutschen viehbestände. Forschungsdienst, Sonderheft 16, p. 57-61. Berlin, 1942. 18 F772  
A statistical review.

## FIBERS AND TEXTILES

- 21312 ALEXANDER, M. A. War I vs. War II "stock pile" of wool. Sheep Breeder 64(4): 3, 19, 20, 21. Apr. 1944. 45.8 Am31
- 21313 ALGODÓN; su importancia, producción mundial, países productores y mercado en diversas plazas. (Cont.) Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(12): 7-16. Dec. 1943. 286.8 M575
- 21314 AMBURGEY, M. D. Improvement program of U. S. Extension Service, doubles value of cotton. U. S. Ext. Serv. Ext. Serv. Rev. 15: 38. Mar. 1944. 1 Ex892Ex
- 21315 ALMEIDA, J. L. DE. Brazil comes through. Cotton Trade Jour. 24(9): 34-35. Feb. 26, 1944. 72.8 C82141  
Information and statistics on cotton production in Brazil.
- 21316 ALMEIDA, J. L. DE. A ingente necessidade do reequipamento da indústria algodoeira. Ouro Branco 9(5): 10-11. Sept. 1943. 72.8 Ou7  
The state of the São Paulo cotton industry and policy to be followed.
- 21317 ALMEIDA, J. L. DE. A posição técnica da economia do algodão e as condições dos preços. Ouro Branco 9(6): 9-10. Oct. 1943. 72.8 Ou7  
On the situation of the São Paulo cotton industry and its future prospects.
- 21318 AREND, A. G. Developments in bleaching wool. Textile Rec. 61(731): 52, 54. Feb. 1944. 304.8 T311
- 21319 AZER, ANIS. Egyptian cotton states its case. Cotton Trade Jour. 24(9): 50, 69. Feb. 26, 1944. 72.8 C82141
- 21320 BATISTA, A. C. Pavônia varians moric e sua exploração industrial. Rev. Bras. de Quím. (Cien. & Indus.) 16: 340, 341, 342-343, 344, 345, 346. Oct. 1943. 385 R322  
Processing of the fiber.
- 21321 BAYMA, A. C. Fibras nacionais; fibras que substituem a juta. Agr. e Pecuaria 16(247): 4-7. Oct. 1943. 9.2 Ag89
- 21322 \*BERKEL. Höchstleistungen im flachsenbau Sachsen-Anhalts. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 228. Apr. 17, 1943. 18 Sa9  
Amount of production included.
- 21323 BLACK, D. L. Birthplace of cotton research. Cotton Trade Jour. 24(9): 94-95. Feb. 26, 1944. 72.8 C82141  
The cotton research center at Stoneville, Miss.
- 21324 BLOW, C. M., and KNIGHT, W. Textile fibres and rubber as associated materials for manufacture. Textile Inst. Jour. 35(1): P7-P18. Jan. 1944. 73.9 T31
- 21325 BONDAR, GREGORIO. Interessante história do caroa na Baía. Chacaras e Quintais 68: 567-568. Nov. 15, 1943. 9.2 C34  
History of the caroa fiber industry.
- 21326 BRESSMAN, E. N. Progress report and survey of results as abaca finds new home in America. Cord Age 41(3): 20, 22. Mar. 1944. 73.8 C812  
History of the crop in the New World, improvements in processing, and future as a commercial crop.
- 21327 BROWN, P. M. Inflation, the world's greatest thief. Cotton Trade Jour. 24(9): 52-53. Feb. 26, 1944. 72.8 C82141  
Warns of the danger in inflated cotton prices.



21328 CARLSON, HAROLD. Sweden's textiles clear war's hurdles. U. S. Dept. Com. Foreign Com. Weekly 14(9): 10-13, 34. Feb. 26, 1944. 157.54 F763

Includes the fiber situation.

21329 CERESOLE, PAUL. New Egyptian cotton varieties. Cotton Trade Jour. 24(9): 51, 95. Feb. 26, 1944. 72.8 C82141

21330 CONDLIFFE, J. B. Cotton for peace; a free flow of trade increases cotton consumption at home and abroad, and reinforces international friendship. Cotton Trade Jour. 24(9): 18-19, 71-73. Feb. 26, 1944. 72.8 C82141

21331 COTTON in the agricultural economy of Texas. Cotton Res. Cong. Proc. (1943)4: 70-83. 72.9 C825  
A panel discussion.

21332 COX, A. B. Cotton, the balance wheel of our national economy. Cotton Res. Cong. Proc. (1943)4: 64-69. 72.9 C825

21333 DOLBY, W.O. New chlorination process for the production of unshrinkable wool. Textile Rec. 61(731): 51, 54. Feb. 1944. 304.8 T311

21334 EMPIRE wool problems. Economist [London] 146: 307-308. Mar. 4, 1944. 286.8 Ec7  
Includes marketing problems.

21335 \*\*FEHLMANN, H. Fibre mixtures: analysis. Schweiz. Arch. Angew. Wiss. Techn. 9: 109-112. 1943.  
Noted in Brit. Cotton Indus. Res. Assoc. Sum. Cur. Lit. 24: 83. Feb. 29, 1944. 241.4 B77

21336 FIBERS of the future. Business Week, No. 757, p. 47-48, 50, 52, 53, 54, 56, 58, 60, 62, 64, 65, 66, 68, 69, 70, 72, 73, 74, 75. Mar. 4, 1944. 280.8 Sy8

Survey of natural and synthetic fibers.

21337 FLEMING, LAMAR, JR. Possibilities of post-war trade in cotton. Cotton Res. Cong. Proc. (1943)4: 131-140. 72.9 C825

21338 FRYBARGER, ARLINGTON. Can king cotton retain the textile throne? Textile Bul. 66(3): 9, 46-47. Apr. 1, 1944. 304.8 So82

21339 FUNCHESS, M. J. What's ahead for the cotton farmer? Farm for Victory, Feb. 1944, p. 4. 281.8 F226

Post-war problems and prospects.

21340 GARCÍA MATA, RAFAEL. Argentine cotton. Cotton Trade Jour. 24(9): 40-43, 102. Feb. 26, 1944. 72.8 C82141

21341 GARRARD, W. M. Mr. Garrard's survey. Staple Cotton Rev. 22(3): 7-9. Mar. 1944. 72.8 St22  
Criticism of present price policies of the New York Cotton Exchange.

21342 GEARY, J. W., JR. Rayon cements friendship with Latin neighbors. Cotton Trade Jour. 24(9): 100-101. Feb. 26, 1944. 72.8 C82141

Export of rayon from the United States to Latin America, and development of the rayon industry in Latin America.

21343 GEIGER, W. B. The scale substance of wool. Amer. Dyestuff Rptr. 33: 117-118. Mar. 13, 1944. 306.8 Am3

21344 GEIGES, ADOLF. How neutrals suffer from lack of cotton and inability to import it. Cotton Trade Jour. 24(9): 75. Feb. 26, 1944. 72.8 C82141

21345 \*\*GEISSER, LUDWIG. A completely synthetic fiber for all textile applications. Deut. Wollen-Gewerbe 74, 750-2 (1942).

Abs. in Chem. Abs. 38: 1119. Mar. 10, 1944. 381 Am33C

21346 GILL, LAWRENCE. Growing flax for fiber. Mont. Farmer 31(13): 15. Mar. 1, 1944. 6 M764

21347 GOBBATO, CELESTE. Linho para fibra. Chacaras e Quintais 68: 619-622. Nov. 15, 1943. 9.2 C34

Cultivation and processing.

21348 GOODRICH, L. C. Cotton in China. Isis 34: 408-410. Summer 1943. 475 Is3  
A review of literature on the early use of cotton in China.

21349 GREGORY, E. B. Cotton in victory. Cotton Trade Jour. 24(9): 22-23. Feb. 26, 1944. 72.8 C82141

Uses of cotton by the U. S. Army.

21350 GUNNING, H. A. Milkweed floss for the Navy. U. S. Soil Conserv. Serv. Soil Conserv. 9: 195-200. Mar. 1944. 1.6 So3S

21351 \*HEIDENDAHL, N. M. Aktuell linodling. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 150-159. 11 Sw34

A general review of the flax industry in Sweden.

21352 \*\*HENK, H. J. The manufacture of shrink-proof wool. Deut. Wollen-Gewerbe 75, 135-7 (1943). Abs. in Chem. Abs. 38: 1119. Mar. 10, 1944. 381 Am33C

21353 \*HOCHMANN, CARL. Pattern for post-war trade; international cotton transactions are representative of proposed trade practices in a new world economy. Cotton Trade Jour. 24(9): 20-21, 81. Feb. 26, 1944. 72.8 C82141

21354 HODGE, J. L. Wool classing - a comparison. Queensland Agr. Jour. 58: 51-52. Jan. 1, 1944. 23 Q33

21355 HUTSON, J. B. Cotton and subsidies. Cotton Res. Cong. Proc. (1943)4: 57-60. 72.9 C825

21356 ILLINGWORTH, J.W. The molecular orientation of fibres. Part II. Textile Rec. 61(731): 56-58, 60-61. Feb. 1944. 304.8 T311

21357 INDIA active in war effort. Cotton Trade Jour. 24(9): 52-53, 86. Feb. 26, 1944. 72.8 C82141  
Cotton and the cotton textile industry in India.

21358 JAMIESON, EDWARD. Cotton in the post-war world. Cotton Trade Jour. 24(9): 110-111, 116-117. Feb. 26, 1944. 72.8 C82141

21359 JELINEK, V. C. Flow characteristics of dispersions of cotton and regenerated cellulose rayon fabrics in cuprammonium: their significance in fluidity calculations. Indus. and Engin. Chem., Analyt. Ed. 16: 172-178. Mar. 1944. 381 J825A

21360 JOHNSTON, ALEXANDER. Gains and losses to individual wool growers on 1943 clips resulting from estimated shrinkages. Wyo. Wool Grower 8(5): 2, 4-5. Mar. 9, 1944. 280.38 W99

21361 JOHNSTON, ALEXANDER. Preparation of wool clips for shrinkage testing. Natl. Wool Grower 34 (3): 25. Mar. 1944. 45.8 W21W

Also in Wyo. Wool Grower 8(5): 6. Mar. 9, 1944. 280.38 W99

21362 JOHNSTON, OSCAR. Cotton's place at the peace table. Cotton Res. Cong. Proc. (1943)4: 117-121. 72.9 C825

21363 JONES, C. S. A British textile expert examines wool's future. Textile Age 8(3): 54, 56, 58. Mar. 1944. 304.8 T3132

21364 JONES, MARVIN. Cotton is a war crop. Acco Press 22(2): 6-7. Feb. 1944. 6 Ac2

21365 \*KATZ, A.M., and ARBUZOV, G.A. Poluchenie kazeinovogo volokna vysokoi gidrotermicheskoi ustoiichivosti [Manufacture of casein fibre with high hydrothermal stability. II. The effect of the conditions of the formaldehyde and chrome tanning upon the physico-chemical properties of casein fibre]. Zhurnal Prikladnoi Khimii 16:134-142. 1943. 385 Z64

21366 LINK. Color, brillo y ondulaciones de la lana; como varian estas características y en que sentido, en cada una de las razas. Chihuahua Canad. 4(44): 28-31. Aug. 1943. 43.8 C43



- 21367 LUND, C. E. Cotton and cottonseed products in Lend-Lease. Cotton Res. Cong. Proc. (1943) 4: 51-54. 72.9 C825
- 21368 MANERO, ENRIQUE. Las siembras de henequén y los plantíos henequeneros. Economista [México] 11(121): 39-42. Mar. 1, 1944. 280.8 Ec793  
Statistics of henequen production.
- 21369 MEYER, J. C. Europe and the second world war; the cotton situation in the Axis and the Axis-dominated countries becomes daily more and more critical. Cotton Trade Jour. 24(9): 58-59, 88-89. Feb. 26, 1944. 72.8 C8214I
- 21370 MILLER, J. J. Cotton export prospect poor, Texan predicts. Cotton Trade Jour. 24(13): 1, 4. Mar. 25, 1944. 72.8 C8214
- 21371 MITCHEM, R. W. Eliminate waste in cotton sampling and marketing. Textile World 94(3): 88-89. Mar. 1944. 304.8 T315
- 21372 MOLYNEAUX, PETER. Cotton's function in post-war planning. Cotton Res. Cong. Proc. (1943) 4: 122-130. 72.9 C825
- 21373 MUIR, A. B. Future marketing of raw cotton. Textile Inst. Jour. 35(1): P1-P5. Jan. 1944. 73.9 T31
- 21374 NEIERS, EUGENE. [Cotton] futures contract changes asked by manufacturer. Cotton Trade Jour. 24(14): 5, 9. Apr. 1, 1944. 72.8 C8214
- 21375 OGLESBEE, J. C., JR. Problem of cotton quality rests with ginner, grower. Cotton Digest 16(27): 8. Apr. 1, 1944. 286.82 C822
- 21376 OPITZ, O. E. Cotton business in wartime. Cotton Trade Jour. 24(9): 114-115. Feb. 26, 1944. 72.8 C8214I
- Chronology of events and developments regarding cotton tied in with events of the war.
- 21377 ORR, C. W. American Angora Breeders Cooperative. Amer. Rabbit Jour. 14: 7-8. Jan./Feb. 1944. 40.28 Am3
- Cooperative marketing of Angora rabbit fur.
- 21378 ORTIZ GOMEZ, L. F. El porvenir de la industria algodonera en la Costa Atlantica. La tarea impuesta a la cooperativa algodonera; una entrevista con Luis F. Ortiz Gomez. Cult. Agr. 3(30): 21, 40. Dec. 1943. 9.4 C89
- 21379 PERELLI, DEODORO. São Paulo finds new out-lets in spite of the war. Cotton Trade Jour. 24(9): 35-36. Feb. 26, 1944. 72.8 C8214I
- Export of cotton from São Paulo, Brazil.
- 21380 \*PFLUMM, W. The rational use of fats and the protection of the fiber. Deut. Wollen-Gewerbe 73, 348-50 (1941).  
Abs. in Chem. Abs. 38: 1371. Mar. 20, 1944. 381 Am33C
- 21381 POHLE, E. M., and KELLER, H. R. Shrinkage and value by grades for 1943 range wool. Idaho Wool Growers Bul. 23(5): 4-5. Mar. 8, 1944. 280.28 Id1
- Also in N. Mex. Stockman 9(3): 12-14. Mar. 1944. 49 N462; Sheep Breeder 64(4): 4-5. Apr. 1944. 45.8 Am31
- 21382 POWELL, H. W. N. O. [New Orleans Cotton Exchange] futures; contract takes hazard out of trading. Cotton Trade Jour. 24(14): 5, 9. Apr. 1, 1944. 72.8 C8214
- 21383 PRADO, F. DE A. São Paulo's [cotton] futures contract conforms to those of U. S. A. Cotton Trade Jour. 24(9): 36-37. Feb. 26, 1944. 72.8 C8214I
- 21384 PRIETO-YEMÉ, GUILLERMO. Mexico exports cotton goods. Cotton Trade Jour. 24(9): 46, 93. Feb. 26, 1944. 72.8 C8214I
- 21385 REINHART, PETER. Switzerland desperate for cotton. Cotton Trade Jour. 24(9): 74. Feb. 26, 1944. 72.8 C8214I
- 21386 RIVETT, SIR DAVID. Wool versus synthetic fibres. Westralian Farmers' News 5(227): 3. Feb. 3, 1944. 280.28 W523
- 21387 ROSS, I. C. The wool industry in Australia, and the post-war world. (Cont.) Past. Rev. 54(1): 14-15. Jan. 15, 1944. 23 Au75  
Post-war policy for the industry.
- 21388 SPENCER, S. M. Rayon--today and tomorrow. Cotton Trade Jour. 24(9): 96-98. Feb. 26, 1944. 72.8 C8214I
- 21389 \*SPOON, W. Roselle-zakken op Java. Econ. Statist. Ber. 28: 208-210. May 1943. 280.8 Ec722  
Discusses the roselle fiber industry in Java.
- 21390 STUBBLEBINE, WARREN. A study of the electrophoretic mobility of carbon, cotton, and wool in aqueous and non-aqueous detergent solutions. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 265-269, processed. 1943. 241.8 F38
- 21391 VAN DUSEN, WILLIAM. Cotton and air transportation. Cotton Trade Jour. 24(9): 85. Feb. 26, 1944. 72.8 C8214I
- 21392 VAN HORN, LEROY, and CLARK, E. T. Wool production, fleece values; data for 1942 and 1943. Mont. Wool Grower 28(3): 7, 15. Mar. 1944. 45.8 M762
- 21393 VAUGHAN, H. E. [Cotton] exports require credit bank and tariff lowering. Cotton Trade Jour. 24(13): 1, 8. Mar. 25, 1944. 72.8 C8214
- 21394 VIANNA, ARLINDO. Fibras textéis animais: - sêdas, lãs, cabelos, crinas, cerdas e pêlos. Fauna [São Paulo] 1(6): 20-21. June 1942. 410 F272  
On the different types of fibers and their characteristics.
- 21395 VIGIL, LUIS. El comercio de lanas en la plaza de Montevideo. Chacra 14(159): 24-26. Jan. 1944. 9 C34
- 21396 WAMBEGANSS, M. E. Cotton mills multiply in Latin-America. Cotton Trade Jour. 24(9): 44-45, 78-79. Feb. 26, 1944. 72.8 C8214I  
Includes figures on amounts of cotton used.
- 21397 WAMBEGANSS, M. E. Flax flares to new prominence. Textile Colorist 66: 49-52. Feb. 1944. 306.8 T31
- 21398 WATSON, SIR ALFRED. India's industrial growth - cotton. Gt. Brit. and East 61(1711): 15-16. Mar. 11, 1944. 286.8 N27
- 21399 WHITCOMB, P. W. France averts fabric famine. Cotton Trade Jour. 24(9): 66-68. Feb. 26, 1944. 72.8 C8214I
- 21400 WHITFORD, A. C. Determination of the legume and milkweed family fibers. (To be cont.) Textile Age 8(3): 70, 72, 74, 76. Mar. 1944. 304.8 T3132
- 21401 WILLIAMS, B. J. N. O. [New Orleans Cotton Exchange] acts as umpire in transactions. Cotton Trade Jour. 24(13): 1, 5. Mar. 25, 1944. 72.8 C8214
- 21402 WINDEL, DUDLEY. From chaos to reconstruction. Cotton Trade Jour. 24(9): 60-61, 104. Feb. 26, 1944. 72.8 C8214I  
Government regulation of the cotton trade and cotton textile industry in Great Britain.
- 21403 WINDER, G. N. The American wool growing industry; its critical problems and proposed remedies. Natl. Wool Grower 34(3): 8-11. Mar. 1944. 45.8 N21N  
Statement before House Agricultural Committee, on Feb. 16, 1944.
- 21404 YOUNG, J. D. Australia enters the cotton picture. Cotton Trade Jour. 24(9): 76-77. Feb. 26, 1944. 72.8 C8214I



## FRUITS, VEGETABLES, AND NUTS

21405 BASTIDAS RUIZ, LUIS. Algunos aspectos de la política frutícola extranjera. Unión Agr. del Sur 2(9): 26-27. Jan. 1944. 9.3 Un3

Includes Government assistance to the fruit industry in Brazil and Argentina and competition between the two countries.

21406 BOSWELL, RALPH. They doubled their production. Citrus Mag. 6(9): 8-9. Mar. 1944. 80 C498

Cultivation practices, and cooperative packing and marketing of citrus fruits, as carried on by the Palm Harbor Citrus Growers Association.

21407 CHANDLER, JOHN. The apple institutes during war. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 25-29. 81 P37

Promotional work of apple organizations.

21408 CHASE, C. E. Washington apple industry faces difficulties. Better Fruit 38(9): 17, 20. Mar. 1944. 80 B64

21409 CRILL, J. W. The National Citrus Committee of the American Farm Bureau Federation. Calif. Citrog. 29: 147. Apr. 1944. 80 C125

Official program of the Committee.

21410 FILOMENA, ELIO. Una incitación a los fruticultores de Río Negro. Corp. Frutícola Argentina. Rev. Ofic. 9(103): 9-14. July 31, 1943. 83 C81

Problems of the fruit producing industry. Urges producers to cooperate in obtaining Government aid.

21411 GERBER, J. R. Where will our nut industry be in 1952? Oreg. State Hort. Soc. Proc. (34th Ann. Rpt. 1942) 57: 132-141. 81 Or32

21412 \*HÄHNE. Zur verwertung der kartoffelernte. Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 577. Nov. 6, 1943. 18 Sa9

Disposition of different types of potatoes after the harvest.

21413 HAMILTON, H. G. War Food Administration and the citrus industry. Fla. State Hort. Soc. Proc. (1943) 56: 110-116. 81 F66

Also (concluding article) in Citrus Indus. 25(3): 6-7, 18. Mar. 1944. 80 C49

21414 HODGSON, R. W. Fruit-growing industries and possibilities of French North Africa. Calif. Avocado Soc. Yearbook 1943: 60-62. 81 C128

21415 JACOBSON, A. C. Outlook for walnuts and filberts. Oreg. State Hort. Soc. Ann. Rpt. (1942) 24: 153-155. 81 Or32

21416 JAMISON, F. S. The reasons for A and B vegetables. Fla. State Hort. Soc. Proc. (1943) 56: 173-175. 81 F66

Essential and non-essential vegetables in the wartime food production program.

21417 LAMONT, T. E. Dry bean situation in New York. [N. Y.] Allegany Co. Farm and Home Bur. News 32(3): 3. Mar. 1944. 275.293 N. Y. Allegany Co.

21418 \*LEHNERT. Leistungswettbewerb im gemüse- und obstbau. Landesbauernschaft Niederschlesien. Wehnl. 10: 312. May 29, 1943. 18 S13

21419 LOEFFLER, H. J. A new frozen fruit dessert - - Velva fruit. Ice Cream Field 43(3): 43-44, 52, 54, 56. Mar. 1944. 389.8 Ic23

Also in Ice Cream Trade Jour. 40(3): 16-17, 68-73. Mar. 1944. 389.8 Ic2; Food Packer 25(5): 30-31. Apr. 1944. 286.83 C165; Canning Trade 66(35): 7-9. Mar. 27, 1944. 286.83 T67

21420 MCCULLOUGH, W. B. Seed potato situation in Uruguay. Canada. Dept. Trade and Com. Com. Intel Jour. 70: 277-280. Apr. 1, 1944. 286.8 C16

21421 MACDOWELL, L. G. Citrus research. Fla. State Hort. Soc. Proc. (1943) 56: 79-81. 81 F66

21422 MANTLE, H. L. The work and plans of the Fruit and Vegetable Committee of the American Farm Bureau Federation. Ohio Veg. and Potato Growers' Assoc. Proc. (1942) 27: 99-100, 102, 104. 75.9 Ch3

21423 MARKLAND, L. K. Louisiana oranges are best, but--the growers should organize and advertise. New Orleans Port Rec. 2(6): 20-22. Feb. 1944. 286.8 H472

Describes varieties and quality of oranges grown in Louisiana.

21424 \*MARTINI. Einiges zur kartoffelanerkennung. 1943. Landesbauernschaft Württemb. Wehnl. 110: 539. Sept. 25, 1943. 18 W96

A review of the season with advice to growers.

21425 MASUROVSKY, B. I. Tropical fruit in frozen desserts. Ice Cream Trade Jour. 40(3): 42. 67. Mar. 1944. 389.8 Ic2

21426 MOTZ, F. A. The world fruit situation and post-war problems. Mountaineer Grower 15(151): 31-33, 35-38. Feb. 1944. 80 M86

Also in South. Florist 56(23): 3, 14-15. Mar. 3, 1944. 80 S866

21427 \*NICOLAISEN. Einiges über die zwiebel-ernte! Landesbauernschaft Sachsen-Anhalt. Wehnl. 101: 459. Aug. 28, 1943. 18 Sa9

Directions for harvesting, drying, and packing.

21428 OTTO, L. W. Florida and Texas citrus industry. Calif. Cult. 91: 171, 183. Apr. 1, 1944. 6 C12

21429 PALMER, C. D., and ROYSTON, REGINALD. Fruit production prospects for 1944. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 18-20. Mar. 1944. 1 Ec7Ag

21430 PALMER, J. H. Vegetable with a future ... the sweet potato. South. Canner and Packer 4(10): 6-8. Oct. 1943. 389.8 So82

21431 PORTER, W. L., and WILLITS, C. O. Moisture in potato starch. Assoc. Off. Agr. Chem. Jour. 27: 179-194. Feb. 15, 1944. 381 As7

21432 \*REBOUR, H. L'écoulement de notre récolte d'abricots et de prunes. Fruits et Primeurs de l'Afrique du Nord 12: 114-115. May 1942. 80 F9482

Marketing possibilities and methods of preservation.

21433 \*RECKLEBEN, R. F. Zur frage des anbaues von zichorie in Deutschland. F. O. Licht. Deut. Ber. 82: 15. Jan. 14, 1943. 66.8 L61A

Economic aspects of chicory production and policy to be followed.

21434 SPURLOCK, A. H. Florida citrus cooperatives. Fla. Univ. Bur. Econ. and Business Res. Econ. Leaflets 3(1): 1-4. Dec. 1943. 280.9 F663

21435 TALMAGE, H. R. Growing, storing and marketing potatoes on Long Island. Ohio Veg. and Potato Growers' Assoc. Proc. (1942) 27: 21-31. 75.9 Oh3

21436 TANNER, F. W., JR. The yeast flora of New York State wine grapes. Cornell Univ. Abs. of Theses, 1942: 393-395. 1943. 241.8 C81

21437 TEMPSKY, ROBERT VON. Hawaii's first cooperative. Hawaii Farm and Home 7(3): 12. Mar. 1944. 25 H3191

Tells about the Maui Vegetable Growers' Association.

21438 V., A. G. Política frutícola. Unión Agr. del Sur 2(9): 5-6. Jan. 1944. 9.3 Un3

Considers whether there is a surplus production of fruits in Chile, whether production should be intensified, and measures which should be taken.

21439 WETMORE, L. S. Table lands for table wines. Wines & Vines 25(3): 20-21. Mar. 1944. 95.8 C122

California lands adapted to growing wine grapes.



21440 WIEGAND, E. H. Nut futures in the Pacific Northwest. West. Nut Growers Assoc. Proc. 29. In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 107-115. 81 Or32

Economic aspects of the filbert and walnut industries, physical and chemical description of the nuts, and possible uses of the nuts and their byproducts.

21441 WILLS, N. R. Some notes on Sydney's vegetable industry. N. S. Wales. Dept. Agr. State Market. Bur. Weekly Market. Notes 56(1): 1-3, processed. Jan. 5, 1944. 286.8 N47

Size of the market gardening industry and location of the gardens.

21442 WILSON, J. B. Determination of peel oil in citrus juices. Assoc. Off. Agr. Chem. Jour. 27: 201-204. Feb. 15, 1944. 381 As7

21443 WILSON, J. B. Persistence of monochloroacetic acid in fruit juices and carbonated beverages. Assoc. Off. Agr. Chem. Jour. 27: 195-200. Feb. 15, 1944. 381 As7

21444 WOOSTER, C. G. The fruit outlook. Mountaineer Grower 15(151): 25-27, 30-31. Feb. 1944. 80 M86

#### Consumption

21445 BLACK, W. E. Consumer demand for apples and oranges, Syracuse, New York, 1939-40 and 1940-41. Cornell Univ. Abs. of Theses, 1942: 417-421. 1943. 241.8 C81

21446 ESCUDERO, PEDRO, and ROTHMAN, BORIS. Inconvenientes del consumo de fruta verde. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 363-369. 1942. 389.9 Ar3Pu

#### Distribution, Marketing, and Transportation

21447 BASTIDA R., LUIS. Porvenir de muestra fruticultura. - Necesidad que hay de que el Gobierno la estimule y proteja en forma decidida y perseverante. - Argentina nos da un ejemplo que debemos imitar. Unión Agr. del Sur 1(8): 23-26. Nov. 1943. 9.3 Un3

On markets for Chilean fruits and a policy for the industry.

21448 BOLTHOUSE, WM. "Problems in onion farming." Mich. Muck Farmers' Assoc. Proc. (1943)25: 26, 28. 4 M5813

Includes problems of marketing and prices.

21449 BRICHET, J. Considérations et suggestions concernant l'écoulement de notre récolte d'agrumes sur le marché local. Fruits et Primeurs de l'Afrique du Nord 13(132): 1-3. Jan. 1943. 80 F9482

21450 CHAMBERS, E. J. The future of the apple growers of Canada. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 79-81. 82 N85

Marketing problems.

21451 \*DOMINGUES, J. H. C. A exportação de castanhas. Portugal. Junta Nac. das Frutas. Bol. 3 (7): 17-25. July 1943. 286.3939 P83

21452 GREGORY, J. H. Marketing plums. Queensland Agr. Jour. 58: 20-26. Jan. 1, 1944. 23 Q33

21453 HODGKIN, G. B. The avocado market situation and outlook. Calif. Avocado Soc. Yearbook 1943: 77-80. 81 C128

21454 \*LARSEN, G. H. Les éléments de réussite des cultures fruitières en Algérie. (Cont.) Fruits et Primeurs de l'Afrique du Nord 13: 207-208. Dec. 1943. 80 F9482

Marketing.

21455 LARSEN, S. A. Air cargo potential in fresh fruits and vegetables. Wayne Univ. Studies in Air Transport, No. 1, 100 p. Detroit, 1944. 289.59 W26

21456 LEE, W. A. Competition between potatoes and other vegetables at retail, Buffalo, New York, 1940. Cornell Univ. Abs. of Theses, 1942: 430-433. 1943. 241.8 C81

21457 MUNTZ, O. K. Ohio's potato marketing program. Ohio Veg. and Potato Growers' Assoc. Proc. (1942)27: 55-57. 75.9 Oh3

21458 \*NIEMANN. Obst und Gemüse für Stadt und Land. Landesbauernschaft Niederschlesien. Wchnbl. 10: 335. June 12, 1943. 18 S13

Marketing restrictions.

21459 NOVA SCOTIA APPLE MARKETING BOARD, LIMITED. 1943-1944 interim office report. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 21, 23-24. 82 N85

Includes report of apple processing and sales.

21460 PHILLIPS, C. D. The Louisville wholesale fruit and vegetable market. (Abs.) Ky. Univ. Res. Club. Bul. 8, p. 12-15. Dec. 1942. 330.9 K41

21461 PRICE, ELINOR. PACA Perishable Agricultural Commodities Act,--umpire of disputes. U. S. War Food Admin. Market. Activ. 7(2): 11-13, processed Feb. 1944. 1.942 ASM34

Regulation of marketing of fresh fruits and vegetables under the Perishable Agricultural Commodities Act.

21462 SCOVILLE, G. P. Marketing the Newfane apple crop; a report to the growers in Niagara County, N. Y., who cooperated in this study. N. Y. Agr. Col. (Cornell) Dept. Agr. Econ. and Farm Managt. A. E. 474, 27 p., processed. Ithaca, 1944. 281.9 C81

21463 TALMAGE, H. R. Changes in methods of potato growing and marketing. Ohio Veg. and Potato Growers' Assoc. Proc. (1942)27: 32-36. 75.9 Oh3

21464 WHEELER, R. L. Full season marketing of apples. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 64-68. 82 N85

21465 WILCOX, F. R. The citrus marketing outlook. Calif. Citrog. 29: 114-115, 118. Mar. 1944. 80 C125

#### Grading, Inspection, Standardization, and Quality

21466 MARTIN, THOMAS. Quality grading of peas by brine separation. Food Packer 25(5): 34-36. Apr. 1944. 286.83 C165

21467 NAIK, K. C., and SUGURAPPA, S. Grading of Sathgudi oranges. Indian Farming 4: 243-246. May 1943. 22 In283

21468 \*PROKOF'EVA, A. M., and NIZOV, V. S. The quality of sauerkraut. Konservnaya i Plodooovoshchnaya Prom. 11, 14-17 (1940). Abs. in Chem. Abs. 38: 1317. Mar. 20, 1944. 381 Am33C

21469 SORIANO, A. M. DE, and GARASSINI, L. A. Determinación de filamentos de hongos y fragmentos de insectos en conservas de tomate. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 503-521. 1942. 389.9 Ar3Pu

21470 TUSSING, E. B. If we had a window in the potato bag. Ohio Veg. and Potato Growers' Assoc. Proc. (1942) 27: 46-55. 75.9 Oh3

Grading, inspection, and quality of potatoes.

#### Industrial Utilization

21471 \*LEHMANN, ERICH, and WILKE, SIEGFRIED. Neue untersuchungen zur gewinnung von zellstoff aus kartoffelkraut. Forschungsdienst, Sonderheft 16, p. 385-390. Berlin, 1942. 18 F772

21472 MARSH, G. L. Tartrates from table winery wastes. Wines & Vines 25(3): 22-25, 30. Mar. 1944. 95.8 C122

21473 MORRIS, R. H., 3RD. Apple syrup--a promising new outlet for cull apples. Chemurg. Digest 3: 57, 59. Feb. 29, 1944. 381 N213Na

#### Packing and Packaging

21474 BAKER, C. E. Fruit container situation still critical. Hoosier Hort. 26: 43-45. Mar. 1944. 81 In2H



Report of fruit packing situation.

Winter storage of vegetables.



- 21510 LACOUR, V. E. Progress of sweet potato dehydration in Louisiana. South. Canner and Packer 5(1): 11-12. Jan. 1944. 389.8 So82
- 21511 \*MEHLITZ, A. Ergebnisse der obst- und gemüswirtschaftlichen forschung. Forschungsdienst, Sonderheft 16, p. 684-692. Berlin, 1942. 18 F772  
Research in the preservation of vegetables.
- 21512 \*\*MELMAN, M. E. The natural change in the weight of cucumbers during fermentation and storing. Konservnaya i Plodocovoschnaya Prom. 11, No. 4, 35-8 (1940).  
Abs. in Chem. Abs. 38: 1292. Mar. 20, 1944.  
381 Am33C
- 21513 MENÉNDEZ LEES, PEDRO. Deshidratación de frutas cítricas para elaborar mermeladas. Corp. Frutícola Argentina. Rev. Ofic. 9(102): 13-18. June 30, 1943. 83 C81
- 21514 MONCADA N., E. Las aceitunas verdes y las aceitunas negras. Unión Agr. del Sur 1(7): 22-23. Sept. 1943. 9.3 Un3  
Methods of preserving olives.
- 21515 \*NICOLAISEN, NICOLAI. Ernte und schutz von dauergemüse. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 495. Sept. 18, 1943. 18 Sa9  
Precautions to take in storing vegetables and harvesting those that are to be stored.
- 21516 \*NICOLAISEN, NICOLAI. Lagerhaltung von dauergemüse. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 508. Sept. 25, 1943. 18 Sa9  
Storage of potatoes.
- 21517 \*NICOLAISEN, NICOLAI. Speziallagerräume und kühlagerung von dauergemüse. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 531. Oct. 9, 1943. 18 Sa9
- 21518 \*NICOLAISEN, NICOLAI. Voraussetzung für vorraishaltung von dauergemüse. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 480. Sept. 11, 1943. 18 Sa9  
Factors affecting the keeping quality of vegetables.
- 21519 OLSON, E. L. Florida crops needed for dehydration. Fla. State Hort. Soc. Proc. (1943)56: 185-186. 81 F66  
Vegetables.
- 21520 \*OS RAMAIS de maças. Portugal. Junta Nac. das Frutas. Bol. 3(7): 3-6. July 1943. 286.3939 p83  
Describes a process of stringing pieces of apple on a cord and drying them.
- 21521 PEDERSON, C. S. Some problems in sauerkraut making. Food Packer 25(5): 46, 48, 64. Apr. 1944. 286.83 G165
- 21522 PEILE, R. M. Home drying of plums and apricots. Austral. Gard. Lover 19(11): 7-8. Feb. 1, 1944. 80 G1615
- 21523 REBOUR, H. Organisons nos industries de la conservation des fruits et légumes. Fruits et Primeurs de l'Afrique du Nord 13(137): 120-122. June 1943. 80 F9482
- 21524 \*REINHOLD, J. Versuche zur verbesserung der haltbarkeit von gemüse in mieten. Forschungsdienst, Sonderheft 16, p. 452-458. Berlin, 1942. 18 F772
- 21525 REYES F., EDUARDO. Métodos sencillos para almacenar algunas verduras. Agr. Mex. 59(12): 33-38. Dec. 1943. 8 Ag8
- 21526 RHOADES, L. E. Storing early potatoes. Ohio Veg. and Potato Growers' Assoc. Proc. (1942)27: 39. 75.9 Oh3
- 21527 RILEY, J. L. Lye peeling white potatoes. South. Canner and Packer 4(12): 8-9. Dec. 1943. 389.8 So82
- 21528 \*RIMANN, C. Kalk zur kartoffelkonservierung. Blumen u. Pflanzenbau ver. mit Gartenwelt 47: 234-235. Oct. 1, 1943. 80 G196
- 21529 RORDEIANU, TEODOR. Conservarea legumelor. Hort. Românească 17(9/10): 24-29; (11/12): 12-22. Sept./Oct., Nov./Dec. 1939. 80 R328
- 21530 \*SCHMALFUSS, H., and STELZNER, G. Das dunkeln der kartoffel, züchtung und verarbeitung nichtdunkelnder kartoffeln. VIII. Forschungsdienst, Sonderheft 16, p. 705-707. Berlin, 1942. 18 F772
- 21531 \*SCHMIDT, H. W. Frischerhaltung von kernobst - obstabil. Deut. Apoth. Ztg. 58: 369-370. Nov. 20, 1943. 396.8 Ap4  
Describes experiments in the treatment of stone fruits in order to preserve their freshness during storage.
- 21532 SCOTT, W. C. Dehydration research at the Fruit and Vegetable Products Laboratory, Weslaco, Texas. South. Canner and Packer 4(12): 9. Dec. 1943. 389.8 So82
- 21533 SCOTT, W. C., and PENTZER, D. J. Preservation of pineapple with sulfur dioxide. Fruit Prod. Jour. and Amer. Food Mfr. 23: 206, 213, 217. Mar. 1944. 389.8 F94
- 21534 LAS SIDRAS argentinas; contribución al estudio de su elaboración y demás aspectos básicos de la industria en el país realizado por el Departamento de Enología e Industrias Extractivas del Instituto de Industrias Agrícolas de Facultad de Agronomía y Veterinaria. (To be cont.) Corp. Frutícola Argentina. Rev. Ofic. 9(108): 23-32. Dec. 31, 1943. 83 C81
- 21535 \*\*SOLOVEICHIK, I. Preserved puree of spinach. Obshchestvennoe Pitanié 8, 10 (1940).  
Abs. in Chem. Abs. 38: 1292. Mar. 20, 1944.  
381 Am33C
- 21536 STREETER, C. P. Less water--more money. Farm Jour. and Farmer's Wife 68(4): 22, 80. Apr. 1944. 6 F2212  
Dehydration of sweetpotatoes.
- 21537 \*THIELEHEIN, L. R. Erfahrungen mit der kartoffeleinlagerung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 503. Sept. 25, 1943. 18 Sa9
- 21538 TRESSLER, C. J., JR. A determination of the critical drying temperature of cranberries. Canner 98(18): 20-21. Apr. 1, 1944. 286.83 G16  
Also in Food Packer 25(5): 36-37. Apr. 1944. 286.83 G165
- 21539 WESTERN REGIONAL RESEARCH LABORATORY. A test for adequacy of blanching in frozen vegetables West. Frozen Foods 5(4): 7. Feb. 1944. 389.8 W523
- 21540 \*WIDMER, A. Ueber die herstellung von sog. "halbkonzentrat" aus fruchtsäften nach dem gefrierverfahren und dessen verwendung bei fruchtgefrierkonserven als ersatz von rohrzucker bzw. rohrzuckerlösung. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 575-581. Oct. 22, 1943. 80 Sch9

#### Statistics

- 21541 CALIFORNIA pack statistics of fruits and vegetables, for 1943. Los Angeles County [Calif.], Chamber Com. South. Calif. Crops 20(2): Q. Feb. 1944. 252.09 L8933
- 21542 CARRYOVER of California canned fruits and vegetables as of Jan. 1, 1944. Los Angeles County [Calif.], Chamber Com. South. Calif. Crops 20(2): R. Feb. 1944. 252.09 L8933
- 21543 GROCE, F. M. Extensión de frutales cultivados en Mendoza. Rev. Mens. B. A. P. 27(313): 21-23. Dec. 1943. 9 R326  
Statistics of plantings of different kinds of fruit.
- 21544 MIRANDA, TASSO DE. Laranja. Lavoura, and 46, Aug./Dec. 1942, p. 21, 22-23, 24. 9.2 L39  
Export statistics, credit, and cost of production for the Brazilian orange industry.



21545 SOUTHERN California vegetable acreage and market conditions, 1943. Los Angeles County [Calif.] Chamber Com. South. Calif. Crops 20(2): L-P. Feb. 1944. 252.09 L893S

## GRAIN AND GRAIN PRODUCTS

21546 ALLUE, ANTONIO. Dónde instalar una fábrica de harinas, en el interior o en el litoral. Ceres [Spain] 5(48): 31-32. Apr. 1, 1940. 15 C33  
Relative merits of location near producing and consuming centers.

21547 ARMITAGE, F. D. The microscopy of vegetable foods and drugs. Part IV. Wheat. Indus. Chem. and Chem. Mfr. 20(230): 131-137. Mar. 1944. 382 In22

21548 AUSMAN, L. H. United States ceiling prices for wheat. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 113-114. Feb. 5, 1944. 286.8 C16

21549 BARRY, E. J. There's more to GTA than selling. GTA Digest 4(3): 33-34. Mar. 1944. 280.28 G11

Services of the Farmers' Union Grain Terminal Association.

21550 BILLARD, E. J. La molienda de trigo en la Argentina. (Cont.) Buenos Aires. Bolsa de Cereales. Rev. 31(1629): 30-35. Dec. 18, 1943. 287 B866  
Concluded in the Jan. 8, 1944 issue.

21551 BROEKMAN, L. F. Flour sampling in London. Northwest. Miller 217(10, sect. 2): 22a. Mar. 8, 1944. 298.8 M81

21552 BROWN, E. E., and FRAPS, G. S. Microscopic determination of wheat bran in wheat gray shorts. Assoc. Off. Agr. Chem. Jour. 27: 165-168. Feb. 15, 1944. 381 As7

21553 BROWN, H. L. Wheat production in southern Rhodesia. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 110-111. Feb. 5, 1944. 286.8 C16  
Statistics.

21554 CATHCART, W. H. Bakers' enrichment headaches. Food Indus. 16(3): 84-86. Mar. 1944. 389.8 F737

21555 CRAMER, H. I. "Synthetic rubber." Roy. Canad. Inst. Proc. Ser. IIIA (1942/43) 8: 36-37. 517 T63P

Notes the effect upon the wheat problem if alcohol could be produced cheaply from wheat for rubber. Abstract of the address.

21556 CAMPBELL, S. S. The U.S. as grain importer. Miller 70: 160. Mar. 6, 1944. 298.8 M61

21557 GENERAL MILLS, INC. What enrichment means to you. What's New in Home Econ. 8(7): 133-136. Mar. 1944. 321.8 W55  
Enrichment of flour.

21558 \*GÖPP, K. Richtige lagerung und trocknung der brangerate. Landwarte 9(30): 1. Feb. 5, 1941. 281.8 L23

21559 GUILLEN LAMANETA, SALVADOR. ¿Dónde instalar una fábrica de harinas, en el interior o en el litoral? Ceres [Spain] 5(49): 23. July 1, 1940. 15 C33

21560 \*HÜPPY, A. Die rolle des mais in der weltwirtschaft. Schweiz. Gart. Vereinigt mit der Schweiz. Obst u. Gartenbau Ztg., No. 5, p. 122-125. May 1943. 80 Sch93

21561 JOHNSON, RUSSELL. Superior [Wis., Terminal Elevator], handles 21 million bushels. GTA Digest 4(3): 34. Mar. 1944. 280.28 G11

Abstract of an address, reviewing two years of operation.

21562 KELLOGG COMPANY. The grains are great foods. What's New in Home Econ. 8(7): 139-154. Mar. 1944. 321.8 W55

21563 \*LIMMERZAHN, J. Roggenbackfähigkeit und ihre bedeutung für die brotherstellung. Forschungsdienst, Sonderheft 16, p. 701-704. Berlin, 1942. 18 F772

21564 \*MOHS, K. Vorratspflege bei getreide. Forschungsdienst, Sonderheft 16, p. 692-697. Berlin, 1942. 18 F772

Grain testing for storage purposes.

21565 NORONA, GASTÓN. El arroz y su actualidad nacional [Ecuador]. (To be cont.) Arrocería 1(1): 9-11. Oct. 1943. 59.8 Ar6

Includes cooperation in production and other advice to growers.

21566 O'BRIEN, P. R. Corn ceiling needs adjustment. Feedstuffs 16(11): 33-38. Mar. 11, 1944. 286.81 F322

Criticizes Government price policy on corn.

21567 O'BRIEN, P. R. Review of grain trade in 1943 [in the United States]. Broomhall's Corn Trade News 169: 187, 191. Mar. 7, 8, 1944. 286.81 B79B

21568 O'CONNELL, T. Storage and treatment of seed wheat. Éire Dept. Agr. Spec. Leaflet 11, 4 p. Dublin, 1940. 10.5 Ir42S

21569 O'CONNELL, T. Storage and treatment of seed wheat. Éire Dept. Agr. Spec. Leaflet 23, 4 p. Dublin, 1942. 10.5 Ir42S

21570 PARKER, J. H. From wheat research to wheat improvement to a sounder industry. Mod. Miller 71(12): 16-17. Mar. 18, 1944. 298.8 M72

21571 \*\*ROCCHETTI, GIUSEPPE. The nitrogenous substances of flour in relation to the doughing characteristics. Ann. Tech. Agr. (Paris) 12, 140-52 (1939).

Abs. in Chem. Abs. 38: 1289. Mar. 20, 1944.

381 Am33C

21572 ROUNDS, H. E. How wheat and bread reach the occupied areas. Northwest. Miller 217(13): 30. Mar. 29, 1944. 298.8 M81

21573 SAUTER, M. A. When your grain moves by water. GTA Digest 4(3): 35. Mar. 1944. 280.28 G11

Shipments of grain by the Duluth-Superior terminal elevator.

21574 SEARLE, S. A. Canadian grain trade functions in wartime. Searle Grain Co., Ltd. Grain Market Features 14(5): 3-4. Mar. 1, 1944. 286.81 Sel

21575 SHELLENBERGER, J. A. Argentine grain survey. Comments on Argentine Trade 23(4): 22-24, 26, 28, 30; (7): 15-20. Nov. 1943, Feb. 1944. 287 C359C

Condensation of a Report on Grains written for the Corporación para la Promoción del Intercambio. Deals with utilization of the various grains, consumption, exports, marketing, and storage problems.

21576 \*SOLDNER, R. Warum muss die brotgetreideanbaufläche auf jeden fall erhalten bleiben? Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 457. Aug. 28, 1943. 18 Sa9

21577 SORIANO, A. M. DE, and GARASSINI, L. A. Sobre la presencia de excrementos de insectos en harinas. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 543-547. 1942. 389.9 Ar3Pu

21578 SWANSON, C. O. Chemistry for the operative miller; fat or ether extract in mill products. Northwest. Miller 217(10, sect. 2): 10a-11a. Mar. 8, 1944. 298.8 M81

21579 \*TRUFEL, K. Zur stoffbilanz der reifungsvorgänge am brotmehl. Forschungsdienst, Sonderheft 16, p. 705. Berlin, 1942. 18 F772  
Brief note on flour research.



21580 \*TOKIN, I. H. Türkiye'de hububat siyaseti. Türk Ekonomisi 1(1): 9-16. July 1943. 280.8 T843

Grain organization, with statistics of area and production.

21581 WHEAT storage trials at the Department's farms. Fire. Dept. Agr. Jour. 40: 239-251. Sept. 1943. 10 Ir2J

#### HONEY AND BEESWAX

21582 \*AISCH, FRIDA. Honig, zucker, süsstoff und obst. Deut. Bienenwirtsch. 1: 86-87. Sept. 1943. 424.8 D487

Advises against the use of honey in canning.

21583 GARASSINI, L. A. Aislamiento, estudio y selección de levaduras para la elaboración industrial de hidromiel. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 462-475. 1942. 389.9 Ar3Pu

21584 \*LEHMANN, A. Der honig im jahre 1943. Bericht an der delegiertenversammlung vom 22. August in Zürich. Schweiz. Bienen Ztg. 66: 414-416. Oct. 1943. 424.8 Sch9

Reviews the industry for the season, including size of crop, rationing, control, and competition with artificial honey.

21585 MOLINO, VICENTE. Para vender más y mejor. Rev. de Agr. [Dominican Repub.] 34: 568-569. Sept./Oct. 1943. 8 R323

Treatment of honey to obtain a product that will sell well.

21586 MUNRO, J. A. The viscosity and thixotropy of honey. Cornell Univ. Abs. of Theses, 1942: 321-324. 1943. 241.8 C81

21587 ROOT, H. H. Beeswax shortage. Gleanings Bee Cult. 72: 136. Apr. 1944. 424.8 G47

See also Apiculture and Apis Mellifera in Entomology section.

#### LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products

21588 ADAIR, WILLIAM. Outlook for British beef cattle; gap of 57 per head in prices. Farming News and North Brit. Agr. 96(10): 3. Mar. 3, 1944. 10 N82

21589 BASTERRECHEA ELORRIETA, LUCAS DE. Calidad, categoría y rendimiento de las carnes de vacuno, en Venezuela. Rev. de Med. Vet. [Buenos Aires] 25: 495-497. Sept./Oct. 1943. 41.8 B86

21590 BOWMAN, H. O. Transitions in Llano County beef cattle industry. Sheep & Goat Raiser 24(6): 8-9, 35. Mar. 1944. 45.8 Sh3

21591 CASIMIRO CHACÍN, JOSÉ. La ganadería del país reclama iniciativas con inversiones conscientemente aplicadas. Agr. Venezolano 8(89/90): 11-13. Sept./Oct. 1943. 9.95 Ag8

21592 COMPTON, E. D. A study of the retained water and dielectric characteristics of tanned calf-skin. Amer. Leather Chem. Assoc. Jour. 39: 74-90. Mar. 1944. 303.9 Am32

21593 COOPER, J. F. Slight uppage in beef cattle numbers asked of Florida producers. Southeast. Cattleman and Dairy Jour. 3(6): 6, 26. Dec. 1943. 43.8 F66A

21594 CUTTING, JOHN. Hogs produce 55 % of the Nation's meat supply. Hog Breeder 14(3): 6. Mar. 1944. 46.8 H672

21595 DIESING, WM. A packer looks at the meat situation. Amer. Cattle. Prod. 25(10): 11-15. Mar. 1944. 49 p94

21596 \*DÜWEL, HEINRICH. Die labversorgung der käseereien. Deut. Molk.- u. Fettwirtsch. 1: 39. Apr. 30, 1943. 44.8 D485

21597 DUVIVER, EDUARDO. Da intervenção do Estado na pecuária. Lavoura, ano 46, Aug./Dec. 1942, p. 56, 57. 9.2 L39

Ways in which the State should intervene in the Brazilian livestock industry.

21598 ELORZA, J. M. Discurso... en nombre de la Sociedad Rural de Paysandú y de la Federación Rural. Asoc. Rural del Uruguay. Rev. 70(10): 10-11, 13-14. Oct. 1943. 9.9 As5

Factors connected with the livestock industry in Uruguay, such as land and labor.

21599 \*GIESKE, W. Über wesen und ursache des vermehrten auftretens der verderbnis bei hausgemachten fleisch- und wurstkonserven. Ztschr. f. Fleisch- u. Milchhyg. 54: 14-19. Oct. 15, 1943. 449.8 Z35

21600 \*INGEMANN, S. Huru Danmark organiserer sin faravel. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 233-238. 11 Sw34

The sheep industry in Denmark.

21601 MEINBERG, IRIS. Por que estamos sem carne? Rev. dos Criadores 14(16): 27-30. Dec. 1943. 43.8 R32

Analyzes the causes of the supply situation.

21602 MICHALKA, J. Die durchführung der biochemischen fleischuntersuchung in der praxis. Ein versuchsergebnis. Ztschr. f. Fleisch- u. Milchhyg. 54: 3-6. Oct. 1, 1943. 449.8 Z35

21603 \*MICHALKA, J. Über einige durch bakterienwachstum bedingte biochemische veränderungen des fleisches. Ztschr. f. Fleisch- u. Milchhyg. 54: 11-14. Oct. 15, 1943. 449.8 Z35

21604 ODEY, G. W. Barrow, Hepburn & Gale, Limited. Post-war outlook for leather. Possible shortage of hides. Mr. G. W. Odey's review of past year's operations. Leather World 36: 146-147. Mar. 2, 1944. 303.8 L482

21605 ORCUTT, E. P. The "hog pendulum" swings-- as usual. Mont. Farmer 31(13): 1, 5. Mar. 1, 1944. 6 M764

Trends in hog production and prices in Montana.

21606 SAAVEDRA, ENRIQUE. Discurso del Sr. Presidente de la Asociación Rural. Asos. Rural del Uruguay. Rev. 70(10): 8-10. Oct. 1943. 9.9 As5  
Brings out the need for increasing meat production in Uruguay and the requisite livestock and agricultural policy.

21607 TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION. Summary of the proceedings of the 69th annual convention. Cattleman 30(11): 13-15, 50-59, 62-65, 67-69, 71. Apr. 1944. 49 C29

21608 UNDERWOOD, F. L. The livestock situation. Va. Farm Econ., No. 60, p. 826. Mar. 1944. 275.29 V813

21609 WALSH, R. M. Livestock and feed in 1944. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 9-11. Mar. 1944. 1 Ec7Ag

21610 WARREN, C. H. Pig-feast. Field 183: 227. Feb. 26, 1944. 10 F45

Notes uses for the various parts of the hog.

21611 WATSON, M. A. Post-war thoughts on the leather industry. Leather Mfr. 55: 27-29. Feb. 1944. 303.8 L484

Includes discussion of supplies of and demand for hides and skins.

21612 WATSON, M. A. World leather markets. Shoe and Leather Rptr. 233(11): 8-10. Mar. 11, 1944. 303.8 Sh7

Includes discussion of supplies of and demand for hides and skins.

Also in Hide and Leather and Shoes 107(11): 22, 25, 40. Mar. 11, 1944. 303.8 H53



21612 WENTWORTH, E. N. Europe's meat problem will be difficult to solve. South. Stockman 4(4): 62. Apr. 1944. 49 So83

Rebuilding of the livestock population in Europe after the war.

21614 ZAVORAL, H. G. Hog situation. Hog Breeder 14(3): 14. Mar. 1944. 46.8 H672

#### Consumption

21615 ESCUDERO, PEDRO, and ROTHMAN, BORIS. El consumo de la carne en la República Argentina. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 86-102. 1939. 389.9 Ar3T

#### Distribution, Marketing, and Transportation

21616 \*A. Neuregelungen auf dem schafmarkt. Landesbauernschaft Bayern Wchnbl. Ausg. A 133: 381. July 3, 1943. 18 B34W

21617 BAKER, J. M. Louisiana livestock auctions. La. Rural Econ. 6(1): 1, 5, 6, 7, 8. Feb. 1944. 281.8 L93

21618 \*BEERENS, W. Grenzfragen im grossraum der schlachtvieherzeugung. Deut. Landw. Tierzucht 47: 221-222. Nov. 20, 1943. 49 D48

On marketing regulation of slaughter cattle.

21619 COFFEY, J. S. Post war pork problems. Chester White Jour. 34(3): 3. Mar. 1944. 46.8 W582  
Prospective markets, and market types and quality of swine.

21620 DUNHAM, C. B. From T-bone to Mooseburger. Farm and Ranch 63(4): 14-15. Apr. 1944. 6 T31  
Procurement and distribution of meat by U. S. Army Quartermaster Corps.

21621 HARTNETT, M. E. Observations on markets for beef cattle and beef. Canad. Cattlemen 6: 148-149, 161. Mar. 1943. 49 C16

21622 HOW ABOUT post-war planning? VII. The meat, packer's post-war markets. Natl. Provisioner 110(11): 13, 37-38. Mar. 11, 1944. 286.85 N21

21623 MACEWAN, J. W. G. Outlets for Canadian beef. Canad. Cattlemen 6: 167, 170. Mar. 1943. 49 C16

Possibilities offered by processing.

21624 RILEY, BOB. Demand for replacement cattle on the Kansas City market shows growing uncertainty of feeders. N. Mex. Stockman 9(3): 6-7, 9. Mar. 1944. 49 N462

21625 SABATINI, F. L. Carriage of livestock by rail; liability of railway companies. N. F. U. [Natl. Farmers' Union] Rec. 22: 105, 107. Apr. 1944. 281.8 N21

21626 WILSON, W. K. The influence of bleeding v. non-bleeding on muscle colour and market value of rabbit carcasses. Harper-Adams Util. Poultry Jour. 29(n.s. 1): 10-13. Jan. 1944. 47.8 P8612

#### Grading, Inspection, Standardization, and Quality

21627 BAKER, E. T. Autobiography of a veterinary practitioner. XXII. Small town meat inspection. Vet. Med. 39(1): 29-33. Jan. 1944. 41.8 M69

Meat inspection in Moscow, Idaho. Gives text of ordinance.

21628 BUTLER, J. W. Preliminary requirement for municipal meat inspection. Vet. Med. 39(1): 22-24. Jan. 1944. 41.8 M69

21629 \*GRÜTTNER, FELIX. Der Nährzustand der schlachttiere in fleischbeschaulicher und markt-mässiger bewertung. Deut. Schlachthof- Ztg. 43: 181-184. Oct. 15, 1943. 286.85 D48

Necessity for meat inspection stressed.

#### Prices, Price Control, and Rationing

21630 BEATTIE, KIM. Canadian retail butchers and the war. Butchers' Advocate 115(13): 10-12. Mar. 29, 1944. 286.85 B97

On meat rationing.

21631 GRAMSIE, J. B. Price fixation and meat rationing; lesson from abroad. Country Life [Sydney] 55(30): 9. Jan. 21, 1944. 286.85 Sy2

21632 MCCANN, L. P. Feedlot mathematics--buying price is not the only factor. Ohio Farmer 193(6): 10. Mar. 18, 1944. 6 Oh3

21633 NOBLE, K. F. Meat rationing in Australia. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 217-218. Mar. 11, 1944. 286.8 C16

21634 \*OPPENBERG. Die neue pferdepreisregelung. Germany. Reichskommissar f. die Preisbildung. Mitt.-Bl., Teil I, Ausg. A, No. 15, p. 249-250. Apr. 19, 1943. 284.39 C312

21635 SHEPHERD, GEORGE. What price hogs after March, 1945? Iowa Farm Econ. 10(3): 10-11. Mar. 1944. 275.28 Io92

21636 SWAFFAR, PAUL. Livestock rambles. East. Breeder 5(11): 74-77. Apr. 1944. 49 V81  
Favors price control in the beef cattle industry.

21637 WENTE, C. F. The price outlook for dairy and beef cattle. West. Livestock Jour. 22(24): 16-17. Mar. 15, 1944. 6 W2278

#### Processing and Storage

21638 ARAGON, SALVADOR. Breves apuntes sobre curtiduría. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. (Ser. 2) 65, 8 p. n. d. 102 C492

21639 ARMENTA, A. L. El curtido de la piel de conejo. (Cont.) Rev. Nac. de Agr. [Bogotá] 37(475): 17-20, 32. Jan. 1944. 9.4 R32

21640 BACK up lard promotion by making better lard. Articles IX-XII. Natl. Provisioner 110(11): 18, 20; (12): 26, 28; (13): 14, 29; (14): 14, 34. Mar. 11, 18, 25, Apr. 1, 1944. 286.85 N21

Article IX.-Caustic soda refining, deodorization and hydrogenation; Article X.-Rendered pork fat; Article XI.-Blue lard; antioxidants; Article XII.-Operating problems.

21641 CALDERÓN AGEZ, JULIO. La ganadería en las provincias de Aysén y Magallanes. Campesino [Santiago] 76(1): 32-36. Jan. 1944. 9.3 Sol2

Statistics of the industry and discussion of packing houses and processing plants.

21642 \*MARQUARD, WILHELM. Die gewinnung von bindemitteln im kochverfahren nach vorbehandlung mit weinsäure. Ztschr. f. Fleisch- u. Milchhyg. 53: 231-233. Sept. 15, 1943. 449.8 Z35

Applies to the manufacture of sausage and corned beef.

21643 PREPARACIÓN y conservación de pieles de conejo. Unión Agr. del Sur 1(8): 38-39, 41. Nov. 1943. 9.3 Un3

21644 RABASA, JAIME. Fabricación de embutidos en verano sin cámara frigorífica; chorizos a la riojana. Asoc. Argentina Criadores de Cerdos. Rev. 22(255): 15, 17. Nov. 1943. 46.9 As5

21645 \*SCHÖNBERG, F. Zur verarbeitung von rindfleischbrät in rotwurst, stülzwurst und stülze. Ztschr. f. Fleisch- u. Milchhyg. 53: 233-235. Sept. 15, 1943. 449.9 Z35

21646 WATSON, M. A. The history and economics of cattlehide leather tanning. Shoe and Leather Rptr. 233(11): 23-24; (12): 16-20. Mar. 11, 18, 1944. 303.8 Sh7

#### Statistics

21647 BIRKETT, C. B. New Zealand production of pork and bacon. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 109-110. Feb. 5, 1944. 286.8 C16  
Statistics.

21648 NODLAND, T. R. Changes in livestock numbers in Minnesota, in 1943. Minn. Univ. Agr. Ext. Farm Business Notes, No. 255, p. 3. Mar. 22, 1944. 275.29 M663



21649 \*RINGLER. Aus der arbeit der oberbayerischen ziegenzüchter im kriegsjahr 1942. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 307A. May 22, 1943. 18 B34W

Statistics of the industry.

21650 WATSON, J. S. Existing supplies of horses and mules in Canada and Great Britain; estimated supplies in other European countries; possibility of exports from the United States after the war. Belgian Rev., 1944, p. 11-12, 14. 42.8 B41

#### OILS AND OILSEEDS

21651 ANDERSON, J. A., and others. Oil seeds in western Canadian grain screenings. Canad. Jour. Res. Sect. F, Technol. 22: 19-27. Jan. 1944. 470 C16F  
W. O. S. Meredith, W. J. Eva and A. C. Heise, joint authors.

Types of seed and their oil content obtained from refuse screenings of cereal grains, and possibilities of using screenings as a source of vegetable oils.

21652 BOHN, R. M. Soy products in candy. Mfg. Confectioner 24(3): 16-17. Mar. 1944. 389.8 M31

21653 BURNETT, R. S., and FONTAINE, T. D. Commercial peanut meal. Indus. and Engin. Chem., Indus. Ed. 36: 284-288. Mar. 1944. 381 J825

21654 CHAVANNE, G. Sur un mode d'utilisation possible de l'huile de palme à la fabrication d'un carburant lourd. Soc. Chim. de France. Bul. (Mém. Ser. 5) 10(1/2): 52-58. Jan./Feb. 1943. 383 P21B

21655 CLAY, H. J. Peanut industry awaiting final word regarding Government participation in 1944 peanut program. Peanut Jour. and Nut World 23(5): 17-18. Mar. 1944. 77.8 P313

21656 CLOPTON, J. R., and TRIEBOLD, H. O. Fan-weed seed oil: potential substitute for rapeseed oil. Indus. and Engin. Chem., Indus. Ed. 36: 218-219. Mar. 1944. 381 J825

21657 COLFER, W. A. Processing soybeans "close to home." U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 16. Feb. 1944. 166.2 N47

21658 EASTMAN, WHITNEY. Soybeans in American industry. Northwest. Miller 21(10, sect. 2): 8a-9a. Mar. 8, 1944. 298.8 N81

Products and uses of soybeans.

21659 FEUGE, R. O., and BAILEY, A. E. Measurement of the consistency of plastic vegetable fats. A standard micropenetration technique. Oil and Soap 21: 78-84. Mar. 1944. 307.8 J82

21660 FREEMAN, A. F., PACK, F. C., and MCKINNEY, R. S. Solvents in the extraction of tung oil. Amer. Tung Oil Assoc. Papers (1943) 9: 57-61. 77.9 Am32

21661 GALLENT, J. B. The preparation and properties of sulfonated peanut oil. Amer. Peanut Rptr. 33: 148-149, 156. Mar. 27, 1944. 306.8 Am3

21662 GONÇALVES, N. B. Óleo de hortela pimenta. Chacaras e Quintais 69(1): 39-41. Jan. 15, 1944. 9.2 C34

Analyzes the composition of peppermint oil produced in different countries and briefly describes the distillation process.

21663 GUENTHER, ERNEST. A survey of American and European peppermint oils. Part VI. Mfg. Confectioner 24(3): 19-21. Mar. 1944. 389.8 M31

21664 \*HASS, EWALD. Erfassung und verarbeitung inländischer Ölsämereien und Ölfürchte der ernte 1943. Deut. Molk.- u. Fettwirtsch. 1: 237. Sept. 17, 1943. 44.8 D485

21665 IPPISCH, FRANZ (H.). La contribución de Guatemala en la nueva fase de colaboración agrícola económica de las Américas. (Cont.) Rev. Agr. [Guatemala] 20(10/12): 50-53. Oct./Dec. 1943. 8 G934

Vegetable oils and spices produced by the country are discussed.

21666 \*KAUFMANN, H. P. Die Öl- und fettwirtschaftliche forschung. Forschungsdienst, Sonderheft 16, p. 713-718. Berlin, 1942. 18 F772

Report of research on little used sources of fats, the spoiling of fats, and new methods of preparation.

21667 KRANICH, HERBERT. Linseed and castor oils. Can they be used successfully by the average manufacturer in appreciable percentages for the manufacture of potash soap? Soap and Sanit. Chem. 20(3): 27-28. Mar. 1944. 307.8 Sol2

21668 \*LIEBISCH. Richtlinien für die rinder- und schweine-rohfetterfassung und deren verarbeitung. Deut. Molk.- u. Fettwirtsch. 1: 98, 99. June 11, 1943. 44.8 D485

21669 MOCULLOUGH, W. B. Argentine sunflower-seed acreage for 1943-44. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 224-225. Mar. 11, 1944. 286.8 C16

21670 MCKINNEY, R. S., ROSE, W. G., and KENNEDY, A. B. Some problems of interest to tung producers. Amer. Tung Oil Assoc. Papers (1943) 9: 62-77. 77.9 Am32

21671 MOLONEY, J. F. Cottonseed products serve the Nation at war. Cotton Res. Cong. Proc. (1943) 4: 45-50. 72.9 C825

21672 MORRELL, R. S., and others. The autoxidation of drying oils. Faraday Soc. Trans. 38: 362-366. Aug. 1942. 382 F22

T. R. Bolam, W. R. Davis, S. Marks, E. O. Phillips, and W. S. Sim, joint authors. Discussion, p. 366-372.

21673 NEVES, F. F. Combustíveis brasileiros - o coco babassú e a hula. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 241-263. Sept. 1942. 9.2 P432

Utilization of babassu nut and oil for fuel.

21674 OLIVER, FRED. The margarine act of 1944. Cotton and Cotton Oil Press 45(7): 6. Mar. 25, 1944. 304.8 C822

21675 OYLER, J. R. An investigation of the component glyceride structure of olive oil. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 64-68, processed. 1943. 241.8 P38

21676 PENFOLD, A. R., and MORRISON, F. R. Australian Eucalyptus oils, 1939-1943. Soap, Perfumery and Cosmetics 17: 116-117. Feb. 1944. 307.8 Sol3  
With notes on other Australian essential oils by E. S. Guenther.

21677 \*ROUSSEAU, P. M. Les procédés spéciaux d'extraction et d'extraction continue de l'huile d'olive. Fruits et Primeurs de l'Afrique du Nord 13: 184-187. Nov. 1943. 80 P9482

21678 \*S., R. Oelsaatenerfassung der ernte 1943. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 311-312. June 5, 1943. 18 Sa9  
The oilseeds program.

21679 SAGARIN, EDWARD. Essential oil outlook. Soap and Sanit. Chem. 20(3): 21-23. Mar. 1944. 307.8 Sol2

21680 \*THALER, H. Der reaktionsverlauf beim ketonigwerden der fette. Forschungsdienst, Sonderheft 16, p. 723-724. Berlin, 1942. 18 F772

21681 \*WEGENER. Zehn jahre fettbewirtschaftung. Deut. Molk.- u. Fettwirtsch. 1: 58. May 14, 1943. 44.8 D485

Reviews the German oils and fats policy.

21682 WESTGATE, M. W. Chemical and botanical studies on newer hard drying vegetable oils. Natl. Paint, Varnish and Lacquer Assoc., Inc., Cir. 672, p. 129-134. Washington, 1944. 306.9 P162C

#### POULTRY AND POULTRY PRODUCTS

21683 ALP, H. H. Should I candle my eggs? What to look for in "spotting" unmarketable eggs. Amer. Poultry Jour. 75(4): 6, 21. Apr. 1944. 47.8 Am32



21684 BIANCHI, MANUEL. Exportación de huevos a Europa. Campesino [Santiago] 76(1): 28-29. Jan. 1944. 9.3 Sol2

South American exports.

21685 BITTENCOURT, N. P. A palavra da Cooperativa Bahiana de Avicultura. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Bol. 7, p. 56-58. Oct. 1943. 280.29 B14

21686 BROOMHEAD, W. W. Egg registrations. Poultry [London], 94: 88. Feb. 8, 1944. 47.8 P869

21687 FERNANDES E SILVA, R. Fomentando a avicultura sob bases racionais. Chacaras e Quintais 68: 685-687. Dec. 15, 1943. 9.2 C34

Concerning the poultry industry in Brazil.

21688 FUNK, E. M. Thermo-stabilized eggs; a progress report. U. S. Egg & Poultry Mag. 50: 162-166, 192. Apr. 1944. 286.85 Eg3

21689 \*GIESKE, W., and WEBER, K. Über den wert der verwendung moderner U-V-handlampen der eierkontrolle. Ztschr. f. Fleisch- u. Milchhyg. 53: 222-228. Sept. 1, 1943. Ref. 449.8 Z35

21690 GREENE, T. P. Quality egg and broiler program has helped farmers. Farmers Fed. News 24(7): 30. Mar. 1944. 280.28 F225

21691 HOFFMANN, EDMUND. Delaware should increase hatching egg production. Peninsula Broiler Jour. 3(21): 1, 2-3. Mar. 6, 1944. 47.8 P37

21692 KIMBALL, E. S. Growers intend to increase turkey production in 1944; Gov't report indicates increase of 2% over '43. Turkey World 19(3): 16-17, 45, 46. Mar. 1944. 47.38 T84

21693 KINGSLAND, CHARLES. What about the future for eggs? H. J. Farm and Garden 15(3): 57. Mar. 1944. 6 G162

21694 KLEIN, JACK. The egg storage problem in southern California. Calif. Cult. 91: 188. Apr. 1, 1944. 6 C12

21695 LEPPER, H. A., BARTRAM, M. T., and HILLIG, FRED. Detection of decomposition in liquid, frozen and dried eggs. Assoc. Off. Agr. Chem. Jour. 27: 204-223. Feb. 15, 1944. 381 A57

21696 MCNEIL, J. H. What's ahead to cackle about? Successful Farming 42(1): 19, 30-31. Jan. 1944. 6 S12

Prospects for production, demand, prices, and feed supply, for poultry and eggs.

21697 MALLMANN, W. L., and DAVIDSON, J. A. Oil-protected shell eggs. U. S. Egg & Poultry Mag. 50: 169-171, 189-191. Apr. 1944. 285.85 Eg3

21698 RAIMO, H. F. Ainda, o valor estimativo dos produtos da avicultura entrados na cidade de S. Paulo. Rev. dos Criadores 15(1): 68-69. Jan. 1944. 43.8 R32

21699 RICE, W. H. Underground egg holding rooms are best. Md. Poultry Yearbook 1944: 21, 23. 47.9 M36

21700 ROTHER, J. E. The egg market in 1943. Nulaid News 21(11): 11-12, 32, 40. Feb. 1944. 47.8 N917

21701 SARASQUETA, P. A. DE. Conservación de huevos. Pampa Argentina 18(197): 15. Jan. 1944. 9 P19

Egg preservation with sodium silicate.

21702 TERMOHLEN, W. D. Rump T. Dumpty, international cook-up boy, diplomat of the eggfest table; streamlined eggs for England. U. S. Egg & Poultry Mag. 50: 152-155, 184, 186-188. Apr. 1944. 285.85 Eg3

Dried whole eggs.

21703 TOWNSLEY, T. S. Broilers not included in price support. Why not eliminate ceilings? Smith's Chickagrams 13(3): 2. Mar. 1944. 47.8 Sm6

21704 TOWNSLEY, T. S. Egg surplus may demoralize chick prices. Smith's Chickagrams 13(2): 2. Feb. 1944. 47.8 Sm6

21705 WHITE, H. A. Turning the spotlight on egg marketing. Res. and Farming. Prog. Rpt. N. C. Sta., 2(1): 12. Jan. 1944. 100 N81R

#### RUBBER AND RUBBER SUBSTITUTES

21706 NATIONAL PLANNING ASSOCIATION. The outlook for synthetic rubber. Natl. Planning Assoc. Planning Pam. 32, 32 p. Washington, 1944. 280.9 N2153

21707 OWEN, W. L. Motor fuel from molasses. IX. Alcohol from molasses in the synthetic rubber program. Sugar 39(3): 26-29. Mar. 1944. 65.8 F11

21708 THE RUBBER cartel. New Repub. 110(13, pt. 2): 430-434. Mar. 27, 1944. 280.8 N

21709 U. S. DEPT. OF STATE. Plantation rubber investigations; agreement between the United States of America and Nicaragua, continuing in force an agreement of January 11, 1941... and text of agreement of January 11, 1941. U. S. Dept. State. Exec. Agreement Ser. 357, 8 p. Washington, 1944. (Pub. 2085) 150 Ex3

#### SEEDS

21710 \*ALMEIDA, C. R. M. DE. A produção e o comércio das sementes. Portugal. Junta Nac. das Frutas. Bol. 3(7): 7-9. July 1943. 286.3939 P83

21711 \*CORNICE, L. Le contrôle des graines de semences potagères pédonnières. Fruits et Primeurs de l'Afrique du Nord 14: 1-2. Jan. 1944. 80 F9482

Marketing and production control.

21712 \*DE SAMVIRKENDE DANSKE FRØAVLERFORENINGER. Afregningspriser for markfrø høst 1942. Dansk Frøavl 26: 237-245. Sept. 15, 1943. 61.8 D23

Prices of grass seed in Denmark in 1942.

21713 EDLER, GEORGE. Reasons for last year's smaller seed crops and higher prices. Seed World 55(5): 12-13. Mar. 3, 1944. 61.8 S52

21714 \*EGGERRECHT, H. Probenahmefehler verzögern saatgutuntersuchung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 544. Oct. 16, 1943. 18 Sa9

21715 \*KILLERICH, J. Indkøb af markfrø. Ugeskr. for Landmand 88: 789. Dec. 17, 1943. 11 Ug3

Varieties of grass and beet seeds available in Denmark.

21716 \*MADSEN, KARL. De større gaardes produktion af sædefrø og industriplanter. Dansk Frøavl 26: 217-218. Aug. 15, 1943. 61.8 D23

Explains why so much of the seed in Denmark is grown on the larger farms.

Reprinted from "Nationaltid. s Kroniker."

21717 MILLS, C. B. Stocks and prospects for grass seed in 1944. Seed World 55(4): 38, 40. Feb. 18, 1944. 61.8 S52

21718 NICOLSON, J. W. Drastic shortage of red clover and alfalfa seed, in prospect for 1944. Seed Trade News 42(9): 1, 5. Mar. 1, 1944. 61.8 S3

21719 \*RHENIUS, H. Auf das saatgut kommt es an Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 471-472. Sept. 4, 1943. 18 Sa9

Seed production, care, and testing.

21720 \*SMOLIÁKOV, N. Zasyпка i khranenie semian [Preservation and storage of seeds]. Kolkhoznoe Proizvodstvo, No. 10, p. 13-14. Oct. 1943. 281.8 K83

21721 \*STOUBAEK, P. Om taerækning af frøafgrøder. Dansk Frøavl 26: 229-231. Sept. 1, 1943. 61.8 D23

Threshing of seed.



21722 \*WITTHÖFT, F. H. Abwicklung von inländischer gelbsenfesaat der ernte 1943. Deut. Mol.-u. Fettwirtsch. 1: 210-211. Aug. 27, 1943. 44.8 D485

## SUGAR AND SIRUPS

21723 AAMO, E. S. Behandlingen av sukkerbetene. Norek Landbruk 9: 294-295. Oct. 29, 1943. 11 N8122  
Directions for preparing sirup from sugar beets at home.

21724 ABBOTT, J. F. "Vuestra industria azucarera es la clave del bienestar económico de Cuba", dijo Mr. Joseph F. Abbott. Tierra Libre 8(2): 8-9. Feb. 1944. 8 T443

Includes the work of the Sugar Research Foundation.

21725 AHERTON, R. P. Sugar drawn from the wood. New England Homestead 117(6): 10, 11. Mar. 25, 1944. 6 N442

Describes the gathering and boiling of sugar maple sap.

21726 COSTA FILHO, MIGUEL. Os Estados Unidos e o nosso comercio de açúcar. Brasil Açucareiro 19: 397-400. Apr. 1942. 65.8 B73

21727 \*DAVIDOV, P. Sakharistye veshchestva iz kartofel'ia [Sugar products from potatoes]. Kolkhoznoe Proizvodstvo, No. 10, p. 23-24. Oct. 1943. 281.8 K83

21728 DREYS, NICOLAO. Memoria sobre o estado actual da fabricaçao do açúcar no Brasil e os melhoramentos a introduzir. Brasil Açucareiro 19: 351-373. Apr. 1942. Ref. 65.8 B73

Reprint of a study on sugar manufacture in Brazil published in 1842, with an introductory statement about the author by J. H. Rodrigues.

21729 EISNER, J. Graphical analysis of [sugar] boiling systems. (To be cont.) Internatl. Sugar Jour. 46: 70-72. Mar. 1944. 65.8 In8

21730 \*GERIKE, BAHR & CO., BERLIN. Der deutsche zucker- und zuckerfuttermittelmarkt 1942. F. O. Licht. Deut. Ber. 82: 9. Jan. 14, 1943. 66.8 L61A

21731 GUERRA, ALFONSO. Participación de Cuba en el mercado azucarero. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(12): 37-42. Dec. 1943. 286.8 M575

Includes prices, export statistics, and regulations for sale of the 1944 crop.

21732 L., H. M. Notes on the South African sugar industry. Internatl. Sugar Jour. 46: 66-67. Mar. 1944. 65.8 In8

21733 \*LENGYEL, LADISLAUS, CECIL, FRANZ, and PAAR, W. Ueber den melasseanfall auf rübe. Zuckerindustrie 1(8): 151-154. Nov. 6, 1943. 65.8 Z8  
Three statements.

21734 LIPPMANN, E. O. VON. O fabrico do açúcar no Brasil. Brasil Açucareiro 19: 374-383. Apr. 1942. 65.8 B73

Excerpts referring to Brazil from von Lippmann's Geschichte des Zuckers.

21735 LIRA, A. P. DE. A industria do açúcar na Argentina. Brasil Açucareiro 19: 402-404. Apr. 1942. 65.8 B73

21736 LOVE, D. W. Postwar period offers challenge to beet sugar marketing. U. and I Cult. 4(1): 34. Mar. 1944. 66.8 U12

21737 MENDOZA, LUIS, Y CÍA. El Congreso de Alimentación de la Habana y los subproductos de la industria azucarera. Indus. Azucarera 49: 727-728. Dec. 1943. 65.8 In22

Uses for byproducts of the sugar industry.

21738 RIBEIRO, JOAQUIM. Folklore do açúcar. I. Brasil Açucareiro 22: 382-386. Nov. 1943. 65.8 B73  
Sugar in Brazilian culture.

21739 SANTIESTEBAN, TEODORO. Una vez más, el Sr. Teodoro Santiesteban demostró como la industria azucarera nacional [Cuba] ha sido un factor de la civilización. Tierra Libre 8(2): 13-15. Feb. 1944. 8 T443

21740 SORIANO, A. M. DE, and GARASSINI, L. A. Estudio sobre la presencia de bacterias esporuladas termofilas en los azucares blancos molidos que se expenden en la ciudad de Buenos Aires. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 441-451. 1942. 389.9 Ar3Pu

21741 \*SPENGLER, O. Ueber einige kampagneer-fahrungen. Zuckerindustrie 1(1): 3. Apr. 17, 1943. 65.8 Z8

Sugar manufacture.

21742 \*USPENSKIĬ, E. Novyi istochnik sakhara [A new source of sugar]. Sovkhoznoe Proizvodstvo 3(12): 45. Dec. 1943. 20 So85

Chicory roots can be utilized as an additional source for sugar.

21743 VELOSO, LICURGO. A distribuição do açúcar cristal pelos mercados de consumo. Brasil Açucareiro 22: 347. Nov. 1943. 65.8 B73

Marketing statistics.

21744 VELOSO, LICURGO. Os desperdícios da indústria. Brasil Açucareiro 22: 85-86. Dec. 1943. 65.8 B73

Statistics of the Brazilian sugar and alcohol industries.

## TOBACCO

21745 BLOCK, S. S. Studies of the aging of flue-cured cigarette-leaf tobacco. Pa. State Col. Abs. Doctoral Diss. (1942)5: 92-97, processed. 1943. 241.8 P38

21746 CHETTY, C. V. S. The tobacco industry in the Philippines. Guntur Tobacco Market Com. Bul., Apr. 1943, p. 3-7. 280.3699 G95

21747 DENNIS, H. A. Dixie [tobacco] trade expands in a quarter century. Tobacco [New York], 118(13): 17-18. Mar. 30, 1944. 286.89 T552

21748 \*KÖNIG. Fermentation von tabak für eigenverbrauch-richtige behandlung. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 513. Sept. 18, 1943. 18 B34W

21749 \*MEISNER. Tabakanbau für den eigenbedarf. Das fermentieren von selbstgebaudem tabak. Landesbauernschaft Württemb. Wchnbl. 110: 440. July 31, 1943. 18 W96

21750 MINNEMANN, P. G. Tobacco is Cuba's second most valuable crop. (To be cont.) Tobacco Leaf 80(4128): 9, 25. Apr. 1, 1944. 286.89 T557  
A survey of the tobacco industry in Cuba.

21751 TETLEY, GERARD. Foreign leaf trade outlook brighter as South finds its way in the maze. Tobacco [New York], 118(13): 19. Mar. 30, 1944. 286.89 T552

## MISCELLANEOUS PRODUCTS

21752 BARBA G., EDUARDO. La industrialización de la yuca. (To be cont.) Rev. de Agr. [Dominican Republic] 34: 558-563. Sept./Oct. 1943. 8 R323  
Processing of yuca and products obtained.

21753 BRESSMAN, E. W. Quinine's dual role in this hemisphere. U. S. Dept. Com. Foreign Com. Weekly 14(13): 6-7, 37. Mar. 25, 1944. 157.54 F763  
Includes efforts being made to establish the industry in Latin America.

21754 COELHO, A. F., and STURM, A. G. Organização da indústria da mandioca. Lavoura, ano 46, Aug./Dec. 1942, p. 43-47. 9.2 L39



21755 \*HACKER, WILLY. Das trocknen von arznei-kräutern. Deut. Heilpflanze, Sept. 1943, p. 34-35. [Bound with Deut. Apoth. Ztg., v. 58, No. 49/50, Sept. 20, 1943.] 396.8 Ap4

21756 JOHNSON, E. S. Quebracho extract; an interesting find. Leather Trades' Rev. 77: 273-274. Mar. 1, 1944. 303.8 L48

21757 LEITE, E. B. Mimos industriais da mandioca. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 38-54. June 1943. 9.2 P432  
Chemical composition of manioc and industrial products which are manufactured from it.

21758 MOURA, VALDIKI. Temas cooperativas. (Cont.) Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Coop 2(19): 14-15. Mar. 1943. 280.28 C7842

Includes cooperation in the cacao-producing industry.

21759 PHILLIPS, MAX. Vanillin from the shells of tung nuts. Assoc. Off. Agr. Chem. Jour. 27: 125-127. Feb. 15, 1944. 381 As7

21760 \*ROUSSEAU, P. M. L'alcool d'asphodèle en Tunisie. Fruits et Primeurs de l'Afrique du Nord 13: 210-212. Dec. 1943. 80 F9482  
Methods of manufacture and yields in alcohol.

21761 SAIR, L., and FETZER, W. R. Water sorption by starches. Indus. and Engin. Chem., Indus. Ed. 36: 205-208. Mar. 1944. 381 J825

21762 TAVARES, O. B. A "Cooperativa Central dos Cacauicultores" em face da portaria do Coordenador da Mobilização Econômica. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Bol. 7, p. 59-61. Oct. 1943. 280.29 B14

21763 WESTON, T. A., JR. The wholesaler's position with respect to present day conditions in general and price trends in particular. Florists' Exch. 102(13): 14. Mar. 25, 1944. 80 F666  
Prices of flowers sold by florists.

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

21764 ALENCAR, J. C. DE. The economic structure of Brazil. Internatl. Chem. and Export Indus. 24: 413-416. Dec. 1943. 382 In8  
Includes agriculture.

21765 AZEVEDO, A. M. Velho tema ou velha teima. Brazil. Min. do Trabalho, Indús. e Com. Bol. 9(106): 145-151. June 1943. 255.3 B737A

The relative economic advantages held by agriculture and industry and the need for cooperation between them.

21766 BOULDING, K. E. Desirable changes in the national economy after the war. Jour. Farm Econ. 26: 95-100. Feb. 1944. 280.8 J822

Includes discussion of the place of agriculture in the national economy.

21767 \*LEMOE, LARS. Några synpunkter rörande lantbruksekonomiens ställning till övriga ekonomiska vetenskaper. K. Lantbr. Akad. Tidskr. 82: 449-455. 1943. 104 Sw3

English summary, p. 455.

On the relationship between agriculture and the other branches of the national economy in Sweden.

21768 \*MADLF, ARNOLD. Die struktur der land- und forstwirtschaft in den Alpen- und Donau-Reichsgauen. Allg. Statist. Arch. 31: 233-250. 1943. 251.8 AL5

A statistical study including number and size of agricultural holdings, land use, livestock, extent of mechanization, land tenure, and labor force.

21769 QUISENBERRY, GEORGE. Argentina's war boom in food. Comments on Argentine Trade 23(6): 49, 51, 53-54. Jan. 1944. 287 C359C

Discussion of the Argentine economy, touching upon the food supplies which might be obtained there.

21770 \*RIDDER, JOHS. Landbrugets økonomi i 1942. Ugeskr. for Landmænd 88: 21-24. Jan. 8, 1942. 11 Ug3

A review of the economic situation in Denmark during 1942.

21771 TAYLOR, H. C. World conditions in the postwar period that will affect Mississippi Valley agriculture. Jour. Farm Econ. 26: 1-9. Feb. 1944. 280.8 J822

Probable effects of agricultural developments in foreign countries, and of changes in international trade.

21772 ULLOA S., A. G. Estudios agrícolas desde México. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(36): 12-14. Oct./Dec. 1943. 9.5 M31  
Touches upon land tenure and credit.

21773 UNION CATHOLIQUE DES CULTIVATEURS. Les dirigeants de l'U. C. C. soumettent leur mémoire annuel aux ministres du cabinet provincial. Terre de Chez Nous 16(23): 5. Mar. 8, 1944. 7 T27

The report discusses the agricultural family, rural education and electrification, and the dairy industry.

21774 WRIGHT, M. E. Agricultural resources of South Africa. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 51-62, processed. Mar. 1944. 1.9 Ec7For

Includes rural population and native agriculture, the pattern of agricultural production and trade, and wartime trends.

##### AGRICULTURAL FINANCE

21775 BRATTON, C. A. Fiscal procedures in rural New York counties. Cornell Univ. Abs. of Theses, 1942: 422-425. 1943. 241.8 C81

21776 MCKELL, W. J. Primary producer must know financial principles; mere purchase of holding is not guarantee of success. Farmer and Settler 38(1): 8. Feb. 4, 1944. 23 F226

Policy of the New South Wales Government with regard to the financial problems of the rural community.

21777 \*PEDERSEN, T. B. Kapitalgrundlaget ved beregningen af landbrugets udbytteprocent. Ugeskr. for Landmænd 88: 899-901. Dec. 24, 1943. 11 Ug3

Invested capital (average of the last twenty years' sales values) as a basis for the computation of agricultural profit in Denmark.

##### Credit

21778 ALEXANDER, VERNON. Loans on farm equipment increased in spite of shortage. Bankers Monthly 61: 111, 126. Mar. 1944. 284.8 B223

Loans to farmers for purchase of equipment, by the National Bank of Geneva, Geneva, N. Y.

21779 BLACK, A. G. Wartime developments in farm credit and their postwar implications. Jour. Farm Econ. 26: 124-138. Feb. 1944. 280.8 J822

Discussion, by O. R. Johnson, p. 138-143.

21780 BOYD, M. S. Credit unions for farmers. Pacific Rural Press [North Ed.], 147: 142. Mar. 4, 1944. 6 P112

21781 FILION, GÉRARD. Crédit aux colons et crédit à la colonisation. Terre de Chez Nous 16(23): 2. Mar. 8, 1944. 7 T27

21782 JONES, L. D. Farmers' co-operative loan associations are supplement, not competitive, to private banks. Mid-South Cotton News 2(24, 1. e. 29): 4. Mar. 1944. 72.8 C8295



21783 MATHER, J. W. How Indiana farm co-ops use credit unions. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 9, 16-18. Feb. 1944. 166.2 M47

21784 OLIVEIRA, S. U. DE. Competência da Câmara de Reajustamento. Rev. Rural Bras. 23(280): 24-25. Dec. 1943. 9.2 B733

Functions of the Câmara with regard to agricultural credit.

21785 RANGEL, E. DA F. A cobrança judicial de dívidas de agricultores e o reajuste compulsório perante a Câmara de Reajustamento Econômico. Rev. Rural Bras. 23(278): 21-23. Oct. 1943. 9.2 B733

21786 SASKATCHEWAN'S farm debt. Saskatchewan Farmer 35(6): 1, 3. Mar. 15, 1944. 7 Sa74

Based upon a statement made in the provincial legislature by Attorney-General J. W. Estey.

21787 SCHALLIOL, V. H. The problem of money and credit. Hoosier Farmer 29(3): 22-23. Mar. 1944. 280.82 H76

Credit unions.

21788 SEYMOUR, H. C. Bankers aid Oregon's young farmers. Banking 36(9): 48-49. Mar. 1944. 284.8 Am3

21789 TIMM, T. R. Credit... evil or blessing? Farm and Ranch 63(4): 12. Apr. 1944. 6 T31

Sound use of credit.

21790 WRIGHT, WALLACE. Iowa's banks report. Iowa Farm Econ. 10(3): 7. Mar. 1944. 275.28 Io92

Information from a study of the Dec. 31, 1943, balance sheets of 122 rural banks in Iowa.

#### Income

21791 GIBBONS, C. A. 1943 cash farm income. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 11-13. Mar. 1944. 1 Ec7Ag

21792 HAMANN, HEINZ. Untersuchungen zur einkommensordnung im agrarsektor. Forschungsdienst, Sonderheft 16, p. 30-37. Berlin, 1942. 18 F772

21793 HOBSON, ASHER. The place of farm income in our national security. Badger Farm Bur. News 15(3): 3. Mar. 1944. 275.293 Wisconsin

21794 KRAUSS, E. A. Dynamic sales potentials for companies catering to rural America. Mag. Wall St. 73: 596-598, 636. Mar. 15, 1944. 286.8 M27

Unprecedented farm income and savings indicate a strong market for various industrial products after the war.

#### Inflation

21795 OGILVIE, G. F. After the war--inflation or deflation? Nation's Agr. 19(4): 5, 10-12. Apr. 1944. 280.82 B89

General, with some attention to the effects of inflation and deflation on farmers.

#### Insurance

21796 BELZILE, THURIB. La mutuelle-vie de l'U. C. G. 2 - L'assurance-vie au programme. Terre de Chez Nous 16(24): 6. Mar. 15, 1944. 7 T27

Life insurance under the Union Catholique des Cultivateurs.

21797 DUNBABIN, M. I. Insurance for wheat. Rural Bank N. S. Wales. Farm Front 2: 6-8, processed. Jan. 1944. 281.9 B883

21798 GENTLE, AVERY. Provisions of workmen's compensation law, applying to farm logging or lumbering operations, and rates and minimum costs of compensation insurance. N. Y., Allegany Co. Farm and Home Bur. News 32(3): 1. Mar. 1944. 275.293 N. Y., Allegany Co.

21799 HEIM. Hagelversicherung ist eine notwendigkeit! Landesbauernschaft Württemb. Wchnbl. 110: 298. May 8, 1943. 18 W96

21800 JONES, T. J. Insurance is key to sound financing. GTA Digest 4(3): 32. Mar. 1944.

280.28 G11

Grain insurance.

#### Taxation

21801 ABRAHAMSEN, M. A. Some aspects of income taxes as they concern apple growers. Mountaineer Grower 15(151): 44-45, 47-49. Feb. 1944. 80 M86

On the necessity for keeping proper records in order to be able to fill out income tax forms.

21802 ANDERSON, N. J. Land valuation in South Dakota. Taxes 22: 158-160, 185. Apr. 1944. 284.58 T195

Land prices and assessment for taxation.

21803 FUGEN, H. Die Besteuerung der wasser- und bodenverbände. (Concl.) Deut. Landeskult.-Ztg. 12: 7-10, 24-26. Jan., Feb. 1943. 18 D484

Includes land taxation.

21804 GROVES, H. M., and GOODMAN, A. B. A pattern of successful property tax administration: the Wisconsin experience--III. Local assessment and its results. Jour. Land & Pub. Util. Econ. 19: 418-435. Nov. 1943. 282.8 J82

21805 TEKELI, ESAT. Toprak mahsulleri vergisi. Türk Ekonomisi 1(1): 25-27. July 1943. 280.8 T843

Taxation of agricultural products.

21806 TROBAUGH, F. E. Answers to income tax problems of fruit growers. Amer. Fruit Grower 64(3): 24, 27, 29, 32. Mar. 1944. 80 G85

#### AGRICULTURAL LABOR AND WAGES

21807 BECK, J. R. Farm labor--1944. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 41-44. 81 Or32

Discusses the use of Mexicans for harvesting crops and the outlook for getting beanpickers.

21808 BENEDIKTOV, I. Zabotlivo vospityvat' kolkhoznnye kadry i po-bol' shevistski rukovodit' imi [Training and management of collective farm workers according to the Bolshevik manner]. Kolkhoznoe Proizvodstvo, No. 10, p. 2-6. Oct. 1943. 281.8 K83

21809 BJERKE, KJELD. Landbrugets arbejdskraft i statistisk belysning. Ugeskr. for Landmaend 88: 831-835. Dec. 3, 1943. 11 U63

Agricultural labor in Denmark.

21810 BRUNNFALT, G. Lantarbetsförhållandena i Tyskland under pågående krig. K. Lantbr. Akad. Tidskr. 82: 441-448. 1943. 104 Sw3

German summary, p. 447-448.

The farm labor situation in Germany including discussion of the use of foreign labor and prisoners of war.

21811 BRUTON, P. G. Farm labor supply for 1944. Calif. Cult. 91: 171, 183. Apr. 1, 1944. 6 C12

21812 CHUVIKOV, V. O zven'fakh v polevodcheskoj brigade. Kolkhoznoe Proizvodstvo, No. 1, p. 2-4. Jan. 1943. 281.8 K83

Labor organization on the collective farm.

21813 CHUVIKOV, V. Ustanovit' v kazhdom kolkhoze tvërdyĭ rasporiadok raboty [To set up in each collective farm a strict work schedule]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 4-5. Feb./Mar. 1943. 281.8 K83

21814 CHUVIKOV, V. A. Pravila vnutrennego rasporiadka v polevodcheskoj brigade kolkhoza [Regulations for work distribution in the field working brigade of the collective farm]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 74/75, 4 p. July 1943. 20 Se48



21815 \*CLAUSING. Planvolle vorbereitungen für die maschinelle zuckerrübenenernte 1943. Mitt. f. die Landw. 58: 836-837. Oct. 9, 1943. 18 D48M

Preparations for mechanized harvesting of sugar beets and per capita productivity of workers for various steps in the process of harvesting.

21816 DAVISON, R. P. Live and learn with the farm labor problem. U. S. Ext. Serv. Ext. Serv. Rev. 15: 36. Mar. 1944. 1 Ex892Ex

The emergency farm labor program in Vermont.

21817 \*DMITRIEV, D., and SOLOV'EV, S. Nash plan vesennikh polevykh rabot [Our plan of spring field work]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 7-9. Feb./Mar. 1943. 281.8 K83

21818 DUNTON, H. L. Farm labor in 1944. Va. Agr. Col. Ext. Div. News 26(6): 1, 6. Apr. 1944. 275.29 V81E

21819 \*DZHABAROV, B. Zvens stofsentneravikov. Kolkhoznoe Proizvodstvo. No. 2/3, p. 19. Feb./Mar. 1943. 281.8 K83

Discusses efficiency methods in cotton production.

21820 ELDER, C. R., and MARVIN, K. R. When a community gets a pain. U. S. Ext. Serv. Ext. Serv. Rev. 15: 34. Mar. 1944. 1 Ex892Ex

Farm labor recruitment.

21821 \*FÜDISCH. Die unterhaltung der landeskulturanlagen im Jahre 1943. a) Arbeitseinsatz bei der unterhaltung der landeskulturanlagen im Jahre 1943. Deut. Landeskult.-Ztg. 12: 33-35. Mar. 1, 1943. 18 D484

21822 HEADY, M. O. "By the sweat of thy brow!" Iowa Farm Econ. 10(3): 12-13. Mar. 1944. 275.28 I92

Labor supply and efficiency in Iowa agriculture, 1943.

21823 \*HEUSER, O. E. Die untersuchungen zur landwirtschaftlichen arbeitsverfassung in Bayern. Forschungsdienst, Sonderheft 16, p. 26-30. Berlin, 1942. 18 F772

21824 HICKS, O. J. Local control of farm labor seriously hinders production. Okla. Union Farmer 25(5): 1. Mar. 15, 1944. 280.28 Ok4

21825 HITCHCOCK, J. A. Dairy barn chore management. New England Res. Council on Market. and Food Supply. Proc. 1944: 23-25, processed. 252.004 M443M

Labor efficiency.

21826 \*IAKUSHKIN, I. V. Ruchnoe skirdovanie [Hand labor for stacking sheaves]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 147/148, 4p. July 1943. 20 S44E

21827 \*IVERSEN, MADS. Arbejdslojninger i by og paa land og deres købekraft. Ugeskr. for Landmaend 88: 836-842. Dec. 3, 1943. 11 U63

Includes discussion of wages of farm laborers.

21828 \*KHASANOV, A. Smelee pooshchriat' trud peredovikov; opyt normirovaniia i oplaty truda. Kolkhoznoe Proizvodstvo, No. 1, p. 8. Jan. 1943. 281.8 K83

Discusses standards of work and labor pay in the cotton farms of the Tadzhik SSR.

21829 \*KOCH, HERM. Nachwuchs für den melkerberuf. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 331A. June 5, 1943. 18 B34W

21830 \*KRASNOV, A. Izmeneniia v formakh ucheta truda [Changes in the forms of labor records]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 34. May/June 1943. 281.8 K83

21831 \*KRASNOV, A. Uchet truda na vesennem sowe [Labor accounting during the spring sowing]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 24-25. Feb./Mar. 1943. 281.8 K83

21832 \*LAMBERT, ANDRÉ. Les salariés dans l'entreprise agricole égyptienne. Egypte Contemporaine 34: 223-235. Mar. 1943. 270 Eg95

Includes organization of agricultural labor, wages in kind and in money, and the movement of labor.

21833 \*LÖTZSCH. Neue arbeitsbedingungen für ostarbeiter. Landesbauernschaft Sachsen. Wchnbl. 91: 252. May 29, 1943. 18 Sal

Includes wages.

21834 MAYO, S. C. Making the most use of farm labor. Res. and Farming. Prog. Rpt. [N. C. Sta.] 2(1): 8, 10. Jan. 1944. 100 N81R

21835 MILLER, P. E. Farm labor manpower shortage No. 1 food problem again. Com. West 87(12): 11-12. Mar. 18, 1944. 286.8 C733

21836 MORROW, K. E. Fast milking project; a study of milking operations on New Hampshire farms. New England Res. Council on Market. and Food Supply. Proc. 1944: 26-30, processed. 252.004 M443M

Labor efficiency in milking.

21837 NATIONAL COUNCIL OF FARMER COOPERATIVES. The Co-op's position on farm labor deferments. Mid-South Cotton News 2(24, 1. e. 29): 1. Mar. 1944. 72.8 C8295

21838 NYSTRAM, P. E. The farm labor program in Maryland in 1943 and the 1944 outlook. Peninsula Hort. Soc. [Del.] Trans. (1943)57: 51-52. 81 P37

21839 \*REBOUR, H. L'organisation des cours de taille en Algérie. Fruits et Primeurs de l'Afrique du Nord 12: 119-120. May 1942. 80 F9482

Notes the shortage of skilled labor for pruning and describes the training courses which were instituted.

21840 ROBERTS, C. R. Relieving labor problems in creameries. Jour. Milk Technol. 7: 85-88. Mar./Apr. 1944. 44.8 J824

21841 ROBERTS, C. R. Relieving labor problems in creameries. Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943)22: 9-14. 44.9 V593

21842 RODRIGUES DE SOUZA, J. M. La situación de la campaña y los salarios rurales. Diario Rural 4(333): 13. Nov. 27, 1943. 9.9 D54

21843 \*RODRIGUEZ DE TORRES. Discurso del Camarada Rodríguez de Torres. Surco [Madrid], No. 18, Sup., p. 8-9. Aug. 1943. 15 Su7

The importance to Spanish agriculture of the operation of the Hermandades Modelo de Labradores.

21844 SCALLEY, F. T. Sugar-beet, labor outlook for 1944. U and I Cult. 4(1): 17. Mar. 1944. 66.8 U12

21845 \*SCHMIDT. Zur arbeiterfrage in den wasser- und bodenverbänden. Deut. Landeskult.-Ztg. 12: 36-37. Mar. 1, 1943. 18 D484

21846 \*SCHMIDT, FRIEDRICH. Leistungslöhne bei der rübenpflege. F. O. Licht. Deut. Ber. 82: 93-94. Apr. 29, 1943. 66.8 L61A

21847 \*SCHMIDT, JOHANN. Arbeitsbedingungen der ostarbeiter. Landesbauernschaft Niederschlesien. Wchnbl. 10: 323. June 5, 1943. 18 S13

Includes wages.

21848 SCHONFELD, H. J. Problems in my muck farming operations. Mich. Muck Farmers' Assoc. Proc. (1943)25: 11-12. 4 M5813

Chiefly on labor problems.

21849 \*SCHULZE, R. W. Zweifelsfragen in der ostarbeiterentlohnung. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 480. Sept. 11, 1943. 18 Sa9

21850 \*SHITOV, V. O "parnoi" rabote v zvane. Kolkhoznoe Proizvodstvo, No. 10, p. 11-12. Oct. 1943. 281.8 K83

Discusses work organization in the kolkhos.



- 21851 \*SHUSHAKOV, A. O ezdaykh i ikh roli na vesennem seve [Concerning drivers and their role in spring sowing]. Kolkhozhnoe Proizvodstvo, No. 2/3; p. 2-3. Feb./Mar. 1943. 281.8 K83
- 21852 \*SIGGAARD, NIELS. Maksimalpris paa folkelønninger. Ugeskr. for Landmaend 88: 723-724. Oct. 15, 1943. 11 Ug3
- A brief history of labor wage legislation in Denmark from 1683 to 1921.
- 21853 \*SKIRDA, F. Kalendar' podgotovitel'nykh rabot [Calendar of preparatory work]. Kolkhozhnoe Proizvodstvo, No. 5/6, p. 8. May/June 1943. 281.8 K83
- 21854 \*STADELMANN, ALWIN. Mehr wissen gibt höhere berufsfreude; berufserziehung im kampf gegen landkräftemangel. Landesbauernschaft Sachsen. Wchnbl. 91: 421. Sept. 25, 1943. 18 Sal
- 21855 STANTON, W. R. Puente local of California Walnut Growers Association; operates labor camp for Mexican nationals. Diamond Walnut News 26(2): 6-7. Mar. 1944. 94.68 D34
- 21856 \*STENSGÅRD, A. H. Vårt jordbruks arbets-kraftsproblem på längre sikt. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 115-131. 11 Sw34
- Recommends improved practices and mechanization of agriculture as a means of solving the problem of labor shortage due to a decrease in population in Sweden.
- 21857 \*TASHLIEV, D. V chem sila plana [Where lies the strength of planning]. Kolkhozhnoe Proizvodstvo, No. 10, p. 8-10. Oct. 1943. 281.8 K83
- \* Discusses the importance of planning production on collective farms, and the need of a work plan in each kolkhoz.
- 21858 \*TIKHONOV, V. Zakon ob obiazatel'nom minimume v deistvii. Kolkhozhnoe Proizvodstvo, No. 2/3, p. 6. Feb./Mar. 1943. 281.8 K83
- Discusses the responsibilities of managers of collective farms in getting their laborers to work a definite number of days.
- 21859 \*TIURIN, I. Zima kolkhozhnoy ucheby [Winter study on the collective farm]. Kolkhozhnoe Proizvodstvo, No. 1, p. 9. Jan. 1943. 281.8 K83
- Discusses the training of agricultural workers in the Tartar SSR.
- 21860 \*TUMANOVSKIY, S. Postofannye zven'ia. Sovkhozhnoe Proizvodstvo 3(12): 5-8. Dec. 1943. 20 So85
- Organization and distribution of labor on the State farms.
- 21861 \*ULANOV, A., and RUCHITSIA, N. Brigadiry na sdel'noi oplate. Kolkhozhnoe Proizvodstvo, No. 1, p. 6-7. Jan. 1943. 281.8 K83
- Agricultural wages.
- 21862 U. S. DEPT. OF STATE. Temporary migration of Mexican agricultural workers; agreement between the United States of America and Mexico, revising the agreement of August 4, 1942. U. S. Dept. State. Exec. Agreement Ser. 351, 13 p. Washington, 1944. (Pub. 2066) 150 Ex3
- 21863 WORRILOW, G. M. Summary of the 1943 farm labor program in Delaware. Peninsula Hort. Soc. [Del.], Trans. (1943)57: 45-50. 81 P37
- 21864 YOUNG, E. C. Farm work simplification studies. Jour. Farm Econ. 26: 232-239. Feb. 1944. 280.8 J822
- Refers chiefly to work being done at Purdue University in studying farm job analysis and simplification.
- Youth
- 21865 ROBBINS, H. F. The farmer takes a camper. Camping Mag. 16(3): 6-8, 20. Mar. 1944. 280.68 C15
- Employment as farm workers of city young people in a summer camp.

## AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 21866 ALBRIGHT, W. D. Agriculture in the North northern Canada; factors to be considered in determining the possibilities. Canad. Countryman 33(5): 3, 38-39. Mar. 4, 1944. 7 C833
- 21867 ALLBAUGH, L. G. Working with farmers to achieve maximum production. Jour. Farm Econ. 26: 214-229. Feb. 1944. 280.8 J822
- Discussion, by G. A. Pond, p. 229-231.
- Policies, programs, and purposes of Federal, State, and local groups working to promote agricultural production.
- 21868 \*ARNOLD. Die schwäbische landwirtschaft im erntejahr 1943. Landesbauernschaft Württemb. Wchnbl. 110: 560-561. Oct. 9, 1943. 18 W96
- 21869 ÁVILA CAMACHO, MANUEL. Honrar a la revolución mexicana es honrar a México. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 8(12): 1-4. Dec. 1943. 286.8 M575
- Touches upon agriculture.
- 21870 BARRETO, SEBASTIÁN. Importantes temas rurales trató el Presbítero Sebastián Barreto en su disertación de la Escuela Agrícola Jackson. Diario Rural 4(344): 10-11. Jan. 5, 1944. 9.9 D54
- On various phases of Uruguayan agriculture.
- 21871 BARROS, L. C. DE. Notas para um estudo sobre alguns aspectos da economia pernambucana. Pernambuco, Brazil. Sec. de Agr., Indus. e Com. Bol. 9: 288-297. Sept. 1942. 9.2 P432
- Includes agricultural products and industries.
- 21872 \*BELILOS, LEON. Moyens de relèvement social et économique de l'Égypte. Égypte Contemporaine 34: 237-264. Mar. 1943. 270 Eg95
- Includes agriculture and the measures needed for it.
- 21873 BERNAUDO, DANTE. Significación del campo en la economía y la vida del país. Buenos Aires y la Pampa 7(71): 7. Dec. 1943. 9 B868
- 21874 BIGGAR, G. C. British farmers boost food production for war needs. Furrow 49: 4-5, 14-15. Feb./Mar. 1944. 6 F98
- War-time organization of agriculture.
- 21875 BIGGAR, G. C. War-time farming in Britain. Checkerboard News 6(3): 4-7. Apr. 1944. 389.78 C41
- The agricultural situation and food requirements.
- 21876 BLACK, J. D., and GIBBONS, C. A. The war and American agriculture. Rev. Econ. Statis. 26(1): 1-55. Feb. 1944. 251.8 R32
- Comparison of agricultural conditions in the present and the first World War; developments during the present war in agricultural production, prices, wages, costs, income, and related subjects; and factors and circumstances which are likely to influence agricultural developments during the remainder of the war and in the early post-war period.
- 21877 \*BORMANN, W. Der weg zur kornkammer. Landware 9: 1-2. Feb. 1, 1941. 281.8 L23
- The agricultural situation in Wartheland.
- 21878 \*BRUMMENBAUM, ALBERT. Planung und lenkung entscheidend für die erzeugung. Mitt. f. die Landw. 58: 807-809. Oct. 2, 1943. 18 D48M
- Progress and achievements in the wartime agriculture of Germany.
- 21879 BRUXNER, M. F. Future greatness and security depend on what we produce from soil. Farmer and Settler 38(2): 10. Feb. 11, 1944. 23 F226
- 21880 CADWELL, J. R. British wartime agriculture sets a record for others to aim at. Farmer's Advocate and Home Mag. 79: 139, 167. Mar. 9, 1944. 7 F22
- Achievements in production.



21881 CAMACHO ANGARITA, J. D. Se sugiere vasto plan de eficaz ayuda oficial a los agricultores del país. *Rev. Nac. de Agr. [Bogotá]* 37(474): 28-29, 41 [i. e. 42]. Dec. 1943. 9.4 R32  
A plan for promoting agriculture.

21882 \*\*CAMERON, DONALD. Future for western farmers. *Food for Thought*, Mar. 1944, p. 4-10.  
Noted in *Pub. Aff. Inform. Serv. Bul.* 30(26): 1. Apr. 1, 1944. 241.11 P96

21883 CASTRO, P. L. O Estado de São Paulo e sua agricultura. São Paulo, Brazil. Superintendência dos Serv. do Café. Bol. 18: 608-609. Aug. 1943. 68.29 Sa63

21884 CHEW, A. P. Nationalistic trends in agricultural policy in the United States. *Jour. Farm Econ.* 26: 59-76. Feb. 1944. 280.8 J822

21885 CLAYTON, H. G. The agricultural situation. *Fla. State Hort. Soc. Proc.* (1943) 56: 92-94. 81 F66

21886 DAVIDSON, R. M. Honduras adjusts to a wartime economy. *Pan American* 4(9): 13-15. Feb. 1944. 280.8 P192

Wartime agricultural changes.

21887 DIETRICH, S. D. The changing economy of the South. *Fla. Univ. Bur. Econ. and Business Res. Econ. Leaflets* 3(4): 1-4. Mar. 1944. 280.9 F663  
Includes agriculture and agricultural products.

21888 DU PLESSIS, J. H. Agricultural crisis. *Union So. Africa. Dept. Agr. and Forestry. Publicity Ser.* 200, 2 p. Pretoria, 1943. 24 So82P  
Agricultural depressions after the Anglo-Boer War, the first World War, and the period following 1930, in South Africa.

21889 EMSLIE, B. L. Best laid schemes for German farms. *Canad. Milling and Feed* 25(3): 20. Mar. 1944. 298.8 C162

21890 FIGUEROA, I. L. El déficit de la agricultura mexicana. *Economista [Mexico]* 11(121): 27-30. Mar. 1, 1944. 280.8 Ec793

On Mexico's low agricultural production.

21891 FLOOD, FRANCIS. Address on wartime agricultural conditions and developments in Great Britain. *Fla. State Hort. Soc. Proc.* (1943) 56: 3-8. 81 F66

21892 FRASER, S. B. Canadian post-war agriculture. *Rural Bank N. S. Wales. Farm Front* 1: 165-167. processed. Dec. 1943. 281.9 R883

Includes domestic policies and soldier settlement.

21893 \*FREUDENBERGER, H. H. Die ernährungspolitik im Januar. *Landware* 9: 1. Feb. 1, 1941. 281.8 L23

Agricultural production in Germany.

21894 GONZÁLEZ VIDART, ARTURO. Texto del discurso [XVII Exposición Nacional de Reproductores Seleccionados] pronunciado por el Ing. González Vidart. *Asoc. Rural del Uruguay. Rev.* 70(10): 14-16. Oct. 1943. 9.9 As5

On Government intervention in agriculture.

21895 HILL, E. B. Plans for agricultural production in Michigan, 1944. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 161-168. Feb. 1944. 100 M583

21896 HINSHAW, KENNETH. Our responsibility for Government-in-business. *Calif. Citrus* 29: 150, 158-159. Apr. 1944. 80 C125

Criticism of Government regulation of agriculture.

21897 KRAMER, L. H. Florida's war-time agricultural situation. *Fla. State Hort. Soc. Proc.* (1943) 56: 88-89. 81 F66

21898 \*LIEDBERG, GÖSTA. Jordbrukets ställning i svenskt näringsliv. Stiftelse Svenska Lantbruksveckan. *Handl.* (1943) 32: 93-99. 11 S34  
The importance of agriculture in Sweden's economic life.

21899 LOVE, H. M. The agricultural situation in Virginia. *Va. Farm Econ.*, No. 60, p. 825-826. Mar. 1944. 275.29 V813

21900 MAC COLL, E. D. Industrias manufactureras - Industrias agropecuarias. *Diario Rural* 4(333): 16. Nov. 27, 1943. 9.9 D54

Uruguay needs a policy which will allow agriculture to develop with lowered production costs, and at the same time give reasonable protection to industry.

21901 MCCOLL, E. L. Conditions in Northern Ireland in 1943. I. Agriculture. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 236-238. Mar. 18, 1944. 286.8 C16

21902 \*MAGRO, A. J. Timor; um pouco da sua história e aspectos actuais da sua vida. *Lisboa. Soc. de Geog. Bol. (Ser. 61), No. 1/2*, p. 65-105. Jan./Feb. 1943. 506 L68

Includes description of the colony's agriculture.

21903 MIGHELL, R. L., and CHRISTENSEN, R. P. Measuring maximum contribution to food needs by producing areas. *Jour. Farm Econ.* 26: 181-193. Feb. 1944. 280.8 J822

Discussion, by C. A. Bonnen and G. A. Pond, p. 193-196.

The use of nutritive values of foods as a basis for determining agricultural policy and farm management practices.

21904 \*NIELSEN, K. M. Planteproduktionen i de mindre landbrug. *Ugeskr. for Landmaend* 88: 815-818. Nov. 26, 1943. 11 U63

Types of crops grown on smaller farms in Denmark.

21905 ORTEGA, LORENZO. Temas regionales. *Cult. Agr.* 2(29): 7. Nov. 1943. 9.4 C89  
Agricultural problems of the Department of Atlántico in Colombia.

21906 OTTO ORTIZ, MARIO. Cómo ha ido prosperando la agricultura en la Provincia de Llanquihue [Chile]; sus posibilidades. -- Datos reveladores. *Unión Agr. del Sur* 1(8): 14-15. Nov. 1943. 9.3 Un3  
A statistical survey.

21907 PARSONS, M. S. Studies of agriculture's production capacity; research techniques and uses made of the estimates. *New England Res. Council on Market. and Food Supply. Proc.* 1944: 35-39, processed. 252.004 N443M

21908 PATTON, J. G. How food production can be further increased to hasten victory and insure the making of a stable peace. *Labor's Conf. on Food and Nutr. Proc.* 1943: 36-43. 1944. 389.9 L11

21909 PESCE, VICENTE. La agricultura en el Oriente Amazónico. *Vida Agr.* 20: 677-686. Sept. 1943. 9.8 V66

Includes labor supply and cost of producing various crops in the Departments of Loreto and San Martín, Peru.

21910 PITTMAN, D. W. Agriculture in Iran harkens back to Old Testament days. *Cattleman* 30(10): 20-21. Mar. 1944. 49 C29

21911 POLLAN, A. A. The United Fruit Company and Middle America. *Sugar Jour.* 6(9): 9-12, 14-17. Feb. 1944. 65.8 Su391

Work of the United Fruit Company in Middle America, with information on banana production and trade, development of new crops and products, social and economic policies of the company, and the promotion of agricultural schools and education.

Similar title in *Pan American* 4(9): 9-12. Feb. 1944. 280.8 P192

21912 LA PROVINCIA de Cautín. Sus riquezas agrícola y ganadera. *Unión Agr. del Sur* 1(7): 9-10, 11, 12, 13-14. Sept. 1943. 9.3 Un3

Discusses the Sociedad de Fomento Agrícola de Temuco (SOFO), the extent to which various crops are produced, and credit institutions.

21913 QUIÑONEZ N., IDELFONSO. Tierra, madre tierra. *Rev. Agr. [Guatemala]* 20(10/12): 11-12. Oct./Dec. 1943. 8 G934

The fundamental importance of agriculture.



- 21914 RAMSAY, ALAN. Mr. Hudson shows how invasion of Europe will react on farming. *Farmer & Stock-Breeder* 58: 295. Feb. 22, 1944. 10 F228  
Report of an address by the British Minister of Agriculture.
- 21915 \*REITHINGER, ANTON. Die europäische wirtschaftskraft bei planvoller zusammenarbeit. *Allg. Statis. Arch.* 31: 261-271. 1943. 251.8 AL5  
Includes planning for the agricultural productivity of Europe.
- 21916 \*SACKMANN, R. Ernährungsfront steht unerschütter. *Mitt. f. die Landw.* 58: 809-810. Oct. 2, 1943. 18 D48M  
Problems of agricultural production to be met in the coming year.
- 21917 SAVILLE, R. J. Farming and farming prospects in the southern Appalachians. *U. S. Bur. Agr. Econ. Land Policy Rev.* 7(1): 7-10. Spring 1944. 1 Ec7La
- 21918 SCOTT, W. K. The farmer will deliver in '44. *Carolina Coop.*, Mar. 1944, p. 5, 13, 17. 72.8 N81  
Prospects for agricultural production in North Carolina in 1944.
- 21919 SELIGMAN, DOUGLAS. Three boards to "run" agriculture... A scheme for the complete self-government of the industry. *Farmers Weekly (London)* 20(12): 29-30. Mar. 24, 1944. 10 F2226
- 21920 SPAFFORD, W. J. An agricultural programme for 1944. *So. Austral. Dept. Agr. Jour.* 47: 243-245. Jan. 1944. 23 So84
- 21921 TORRES FILHO, ARTHUR. Frente interna da economia do Brasil. *Lavoura*, ano 46, Aug./Dec. 1942, p. 25, 26-27. 9.2 L39  
Suggests an agricultural program.
- 21922 TWOMEY, DANIEL. Increased rood production. *Irish Agr. and Creamery Rev.* (n. s.) 13(122): 4-6, 9. Feb. 1944. 44.8 G866
- 21923 \*ULRICH, R. E. Alguns aspectos da economia da guerra. *Lisboa. Soc. de Geog. Bol.* (Sér. 61), No. 1/2, p. 5-20. Jan./Feb. 1943. 506 L68  
Includes the place of agriculture in a wartime economy.
- 21924 VOLIN, LAZAR. America looks at Russian agriculture. *Jour. Farm Econ.* 26: 46-58. Feb. 1944. 280.8 J822  
Wartime food and agricultural situation in Russia.
- 21925 WILLIAMS, T. L. The drive for increased production. *Queensland Agr. Jour.* 58: 5-6. Jan. 1, 1944. 23 Q33  
Notes food requirements for 1944.
- 21926 \*WILMANN, W. Agrarpolitik und betriebslehre. *Forschungsdienst, Sonderheft* 16, p. 5-7. Berlin, 1942. 18 F772  
The need for an approach to agricultural problems which will synthesize the social and biological sciences.
- 21927 WILSON, C. M. Green fingers in hot country. How farmers of the American tropics are helping to mold postwar economies by developing new and essential crops. *Inter-American* 3(4): 19-22. Apr. 1944. 280.8 In85
- 21928 \*DIE WIRTSCHAFTSSTRUKTUR der Türkei. *Wirtschaft u. Statis.* 23: 158-163. June 1943. 265 St22  
Includes agriculture.
- Agriculture, Post-War
- 21929 BRIGHAM, E. S. Vermont farming in the war and after. *Vt. Univ. and State Agr. Col. Dept. Anim. and Dairy Husb. Short Course Conf. Vt. Dairy Plant Operators and Managers. Papers (1943)* 22: 166-173. 44.9 V593
- 21930 \*FEISST, ERNST. Gedanken und vorschläge über die massnahmen zur erhaltung und förderung der schweizerischen landwirtschaft in der nachkriegszeit. *Landw. Jahrb. der Schweiz* 57: 313-338. 1943. 17 L23  
French text, p. 339-365, with title: Réflexions et Propositions Relatives aux Mesures à Prendre en Vue de Conserver et d'Encourager l'Agriculture Suisse après la Guerre.
- 21931 \*FEISST, ERNEST. Les rapports entre l'agriculture et l'industrie après la guerre. *Landw. Jahrb. der Schweiz* 56: 499-512. 1942. 17 L23  
Formulates a post-war policy for Swiss agriculture.
- 21932 JENSEN, MINAR. Rehabilitation of agriculture in German-occupied Europe. *Jour. Farm Econ.* 26: 31-45. Feb. 1944. 280.8 J822
- 21933 LONGWORTH, FRANK. Annual meeting of members of Manchester Chamber of Commerce. Mr. Frank Longworth's presidential address. *Manchester Chamber Com. Monthly Rec.* 55(2): 27-34. Feb. 1944. 287 M31  
Post-war agricultural policy and cotton trade are discussed.
- 21934 SCHENCK, H. E. Although food subsidies will be continued-- *Hoosier Farmer* 29(3): 6-7. Mar. 1944. 280.82 H76  
Opposes food subsidies.
- 21935 SCHULTZ, T. W. Transition readjustments in agriculture. *Jour. Farm Econ.* 26: 77-88. Feb. 1944. 280.8 J822  
Discussion, by W. E. Grimes and E. A. Starch, p. 89-94.
- 21936 WELCH, F. J. Post-war plans for agriculture being prepared. *Miss. Farm Res.* 7(2): 8. Feb. 1944. 100 M69M1  
On the post-war planning reports that are being compiled by each State at the request of the United States Department of Agriculture.
- 21937 WESTCOTT, G. W. The outlook for agricultural production in New England after the war. *New England Res. Council on Market. and Food Supply. Proc.* 1944: 11-19, processed. 252.004 M443M
- 21938 \*ZWEIGLER, O. Wieder milchleistungsprämie für die ablieferung 1943! *Landesbauernschaft. Sachsen. Wchnbl.* 91: 461. Oct. 23, 1943. 18 Sal
- Subsidies
- 21939 ADAIR, WILLIAM. Food subsidies now absorb \$205,800,000; holding the costs of living. *Farming News and North Brit. Agr.* 96(8): 3. Feb. 18, 1944. 10 N82
- 21940 THE FACTS about subsidies. *New Repub.* 110: 455-457. Apr. 3, 1944. 280.8 N  
Includes agricultural and food subsidies.
- 21941 GREEN, W. S. Are subsidies inflationary? *Country Guide* 63(3): 8, 49-50. Mar. 1944. 7 G76
- 21942 KELLY, W. S. Primary products prices. *Econ. Rec.* 19: 162-170. Dec. 1943. 280.8 Ec74  
Price control and subsidies in Australia.
- COST AND STANDARD OF LIVING
- 21943 \*GODARD, JEAN. Étude statistique de la situation économique en Syrie et au Liban. *Égypte Contemporaine* 34: 369-400. Apr./May 1943. 270 Eg95  
Includes cost of living.
- 21944 HAGOOD, M. J., and DUCOFF, L. J. What level of living indexes measure. *Amer. Sociol. Rev.* 9(1): 78-84. Feb. 1944. 280.8 Am37  
Discussion of level-of-living indexes for rural families.



21945 \*HESSE, P. Die lebenshaltung in 64 haushaltungen von arbeiterbauern, kleinlandwirten und bauern in den gemeinden Affstätt, Oberndorf, Schafhausen, Spessart-Weltenschwann, Sulz, Wendelsheim und Würzbach. Forschungsdienst, Sonderheft 16, p. 37-40. Berlin, 1942. 18 F772

21946 JEWISH AGENCY FOR PALESTINE. DEPT. OF STATISTICS. Standard of life of Jewish urban and rural workers (Report on the investigation and the index number of the cost of living). Jewish Agency for Palestine. Dept. Statis. Bul. 12, 39 p. Jerusalem, 1940. 280.9 J55

Text in Hebrew, with English summary.

21947 \*KRUSE, ALFRED. Zur problematik des "Lebenshaltungskostenindex" im kriege. Allg. Statist. Arch. 31: 228-233. 1943. 251.8 AL5

21948 SHOOBRIDGE, H. W. Cost of living; destruction or transformation. Tasmanian Farmer 7(4): 7-9. Jan. 1944. 23 T186

Unnecessary elements entering into prices of goods.

#### FARM MANAGEMENT AND LAND ECONOMICS

21949 BARRERA VILAR, JOAQUÍN. El henequén y los diversos cultivos en Yucatán. Sisal de Yucatán 5 (49): 31, 34. Jan. 1944. 73.8 S183

Cites figures to show the extent to which henequen and other crops are grown in Yucatán and urges diversification of crops.

21950 BROWN, H. L. Dealing with dairy problems; management changes can compensate for shortages. Fla. Grower 52(3): 19-20. Mar. 1944. 80 F6622

21951 CASE, H. C. M. Problems of achieving maximum food and fiber production in the Mississippi Valley. Jour. Farm Econ. 26: 197-209. Feb. 1944. 280.8 J822

Discussion, by R. J. Saville and C. A. Bonnen, p. 209-213.

Problems of land development, shifts in crop and livestock enterprises, and improved practices to bring about greater per-unit production.

21952 COULTHARD, W. A. The winning essay on the western tour, 1943. (Cont.) Hawkesbury Agr. Col. Jour. 41(1): 9-12. Jan. 31, 1944. 276.8 H31

Notes on management aspects of individual farms.

21953 DESCARTES, S. L. Land reform in Puerto Rico. Jour. Land & Pub. Util. Econ. 19: 397-417. Nov. 1943. 282.8 J82

A recent history.

21954 GRIFFITHS, BERT. Island farm, once derelict - now flourishing. Dairy Farmer [Ipswich] 17(3): 10-11. Mar. 1944. 44.8 D1414

Describes conditions and management of the farm.

21955 \*HEIM, B. Fragen der bäuerlichen betriebsführung von heute und morgen. Landesbauernschaft Württemb. Wchnbl. 110: 488-489. Aug. 28, 1943. 18 W96

21956 JENSEN, A. C. Farm management. Tax Digest 22: 130-131. Apr. 1944. 284.58 T192

Management of the Fairmont Hospital farm, Alameda County, Calif.

21957 JONES, LEWIS. Dairy management. Milk Indus. 24(9): 50-51. Mar. 1944. 44.8 M593

21958 \*JÜRGENS, WILHELM. Die öffentliche bewirtschaftung der klein- und mittelbetriebe in regierungsbezirk Litzmannstadt. Mitt. f. die Landw. 58: 926-927. Nov. 6, 1943. 18 D48M

Reorganization included changes in crop areas and size of farms. Crop production statistics are given.

21959 MARTÍNEZ SÁENZ, JOAQUÍN. El catastro nacional. Rev. de Agr. [Cuba] 26(24): 97-105. Nov./Dec. 1943. 8 Ag88Re

Scope and value of the Cuban land cadaster and the membership of the Comisión del Catastro Nacional.

21960 \*WORDENSON, HARALD. En industrimans syn på jordbruket. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 132-142. 11 Sw34

A discussion of agriculture in Sweden with special attention to improvement of methods and management practices.

21961 \*ORESHKOV, S. Uluchshit' okranu obschchestvennykh zemel' kolkhozov [Protection of the public land of the collective farms must be strengthened]. Kolkhoznoe Proizvodstvo, No. 1, p. 12. Jan. 1943. 281.8 K83

21962 PATTABHIRAMAN, D. Estate farming in India. XI. The Palayakottai cattle farm. Indian Farming 4: 227-231. May 1943. 22 In283

Management of the estate.

21963 \*RICO C., MANUEL. Explotación agro pecuaria. Agr. Mex. 59(12): 2-3. Dec. 1943. 8 Ag8

Advantages of diversified farming.

21964 \*SAGAWÉ. Die zweckmäßigkeit der bestehenden betriebsformen und die notwendigkeit etwaiger umstellungen. Forschungsdienst, Sonderheft 16, p. 41-43. Berlin, 1942. 18 F772

Farm management.

21965 SALTER, L. A., JR. Global war and peace, and land economics. Jour. Land & Pub. Util. Econ. 19: 391-396. Nov. 1943. 282.8 J82

Importance of systems of land holding and use to international peace and welfare.

21966 SMITH, F. D., and SMITH, MRS. F. D. Winter milk simplified on a family farm. Farmer & Stock-Breeder 58: 425. Mar. 14, 1944. 10 F228

A program of farm management to save labor.

21967 \*TERÍAEVA, A. O kolkhoznom inventare [Concerning inventory on the collective farm]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 6-7. May/June 1943. 281.8 K83

Discusses the necessity of stock taking in the kolkhoz and of planning increased means of production.

21968 \*TÜLLMANN. Ist die durchführung von landwirtschaftlichen folgeeinrichtungen bei starkem splitterbesitz möglich? Deut. Landeskult.-Ztg. 12: 49-51. Apr. 1943. 18 D484

21969 \*WALDEHAUSL, F. W. Die aufgliederung landwirtschaftlicher betriebsformen in der industriellandschaft. Ein beitrag zur betriebswirtschaftlichen standortsforschung. Forschungsdienst, Sonderheft 16, p. 43-48. Berlin, 1942. 18 F772

Results of a survey of farm management factors in a German industrial area based upon a study of some 1,750 so-called estate charts.

21970 WITT, L. W. Changes in the agriculture of south central Brazil. Brazilian Business 23: 382-384, 386, 388, 390, 392, 420, 422-424, 426, 428-429. Oct. 1943. 286.8 B732

Changes in types of crop production due to changes in technology in agriculture and changes in price relationships.

21971 WOLNITZKY B., ALFREDO. Ejemplo estimulador. Unión Agr. del Sur 2(9): 4. Jan. 1944. 9.3 Un3

Description of the model farm "Cosmito" set up in Chile by the Cía. Refinería de Azúcar.

21972 \*ZABURANNYĬ, A. Iz otstafishchikh vperedovye [From lagging behind to leadership]. Kolkhoznoe Proizvodstvo, No. 10, p. 7-8. Oct. 1943. 281.8 K83

An account of how efficient management of a kolkhoz improved its production and raised its status from one lagging behind to leadership.

21973 \*ZAKHAROV, S. Nash luchshiy brigadier [Our best brigadier]. Kolkhoznoe Proizvodstvo, No. 10, p. 10. Oct. 1943. 281.8 K83

Description of the manager of the kolkhoz "Kirov."



Cost of Production

- 21974 ABRAHAMSEN, M. A. Cost of production, apples, 1943. Mountaineer Grower 15(152): 1, 3, 5, 7, 9, 12. Mar./Apr. 1944. 80 M86  
Information for the Eastern Panhandle of West Virginia, for 1943.
- 21975 BERRIOS, R. H. A. Coste de producción de plátanos. Rev. de Agr. [Dominican Repub.] 34: 528-532. Sept./Oct. 1943. 8 R323
- 21976 CULTURA e industrialização da mandioca. Lavoura, ano 46, Aug./Dec. 1942, p. 12-20, 21-23, 24. 9.2 L39  
Includes cost of production.
- 21977 EFFERSON, J. N. Farmer experience with the production of sorgho for industrial alcohol in 1942. Sugar Bul. 22: 91-94. Mar. 15, 1944. 65.9 Am32  
Costs, returns, labor requirements, and farm practices, in connection with sorghum production.
- 21978 JUDKINS, W. P. Strawberry production costs in wartime. Amer. Fruit Grower 64(3): 6, 18. Mar. 1944. 80 G85
- 21979 JULL, M. A. Efficiency factors and labor income in egg production. Md. Poultry Yearbook 1944: 61. 47.9 M36
- 21980 \*KRASNOV, A. P. Uchet urozhaiá v kolkhozakh [Computation of the harvest in the collective farms]. Sel'so (Ser. Kolkhoz, Aktiv), v. 12, No. 76/77, 4 p. July 1943. 20 Se48
- 21981 OVERLEY, F. L., OVERHOLSER, E. L., and SISLER, GEO. An economic study of orchard tree removal for better spacing. Amer. Soc. Hort. Sci. Proc. 43: 11-16. Nov. 1943. 81 Sol2  
Thinning of apple trees, and economic results in costs of and returns from production.
- 21982 PAPE, G. H. Cost of cotton production in U. S. materially cut in recent years. Cotton Trade Jour. 24(13): 1, 7. Mar. 25, 1944. 72.8 G8214
- 21983 RICE, W. H. Trends in factors affecting the cost of production and profits of poultry and eggs in Maryland. Md. Poultry Yearbook 1944: 44-45, 47. 47.9 M36
- 21984 \*SCHNIDRIG, A. L. Um die produktionskosten der walliser weine. Schweiz. Ztschr. f. Obst- u. Weinbau 52: 531-533. Sept. 25, 1943. 80 Sch9
- 21985 \*SEEDORF, W. Erzeugungskosten und preis. Mitt. f. die Landw. 58: 923-924. Nov. 6, 1943. 18 D48M
- 21986 VASS, A. F. Production costs and returns on wool and lambs. Natl. Wool Grower 34(3): 18-21. Mar. 1944. 45.8 N21N
- 21987 WRIGHT, K. T. Keeping records on the cost of producing mint. Mich. Muck Farmers' Assoc. Proc. (1943)25: 30, 32, 34, 36, 38. 4 M5813
- 21988 YOUNG, H. P. The need for uniform methods of appraising change in cost of milk production. New England Res. Council on Market. and Food Supply. Proc. 1944: 31-34, processed. 252.004 N443M

Farm Bookkeeping and Records

- 21992 BOND, G. E. It's easy to go on record with your farm business. Better Rural Life 5(3): 3. Mar. 1944. 275.29 R34B  
Farm bookkeeping.
- 21993 \*MALAKHOV, I. Sorevnovanie kolkhoznnykh schetovodov v Loktevskom raione [Contest of kolkhoz bookkeepers in the Loktev region]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 34. May/June 1943. 281.8 K83
- 21994 PETTET, Z. R., and GALLOWAY, Z. L. Records are farmers' first defense. U. S. Ext. Serv. Ext. Serv. Rev. 15: 44-45. Mar. 1944. 1 Ex892Ex
- 21995 \*SCHMIDHUBER. Die bedeutung der buchführung in der landwirtschaft. Landesbauernschaft Bayern. Wchnbl. Ausg. A 133: 523A. Sept. 25, 1943. 18 B34W
- 21996 SHULTIS, ARTHUR. Financial records for the citrus grower. Calif. Citrog. 29: 130-134. Mar. 1944. 80 G125
- 21997 VALERA C. G., OSVALDO. Contabilidad aplicada. Tierra Adentro 1(1): 32-35. Jan./Feb. 1943. 8 T444  
Agricultural accounting.
- 21998 \*WASCHER, W., and WIERLEMAN, L. Kontenrahmen und kostenstellenrechnung in molkereien als grundlage des betriebsvergleichs und der kalkulation. Deut. Mol.- u. Fettwirtsch. 1: 34-37. Apr. 30, 1943. 44.8 D485
- 21999 \*WASCHER, W., and WIERLEMAN, L. Kontenrahmen und kostenstellenrechnung in molkereien als grundlage des betriebsvergleichs und der kalkulation. (7. fortsetzung). Mol. Ztg. [Hildesheim] 57: 167-168, 169. Mar. 31, 1943. 44.8 M73

Farms - Number and Size

- 22000 \*MORGEN, HERBERT. Bodenordnung, ländliche soziologie und agrargeographie. Forschungsdienst, Sonderheft 16, p. 7-13. Berlin, 1942. Ref. 18 F772  
An account of studies in size of farms and related problems of land use.

Land Settlement and Colonization

- 22001 BENNETT, GEORGE. We need an entirely new system of farm settlement [in Alberta]. West. Farm Leader 9(6): 3. Mar. 17, 1944. 280.28 W52
- 22002 CARDONA, ROBERTO. Colonización agrícola. Rev. Cafetera de Colombia 8: 2987-2988. Dec. 1943. 62.28 R32  
A policy for Colombia.
- 22003 COLÔNIA de Petrópolis (1846-47). Rev. de Imigr. e Colon. [Rio de Janeiro] 4: 417-432. Sept. 1943. 282.28 R32  
Reprints the reports presented to the Provincial Legislative Assembly of Rio de Janeiro in March 1846 and March 1847 on the development of the Petrópolis colony.
- 22004 ELVOVE, J. T. The Florida Everglades--a region of new settlement. Jour. Land & Pub. Util. Econ. 19: 464-469. Nov. 1943. 282.8 J82  
Description of special problems of land development, settlement, and use.
- 22005 FARMING prospects for service men. Country Life [London] 95: 338-339. Feb. 25, 1944. 90 C83  
Suggests training hostels and other types of instruction for men wanting to farm.
- 22006 FILION, GÉRARD. De la colonisation pour d'autres que les saints, les gueux et les fous. Terre de Chez Nous 16(24): 2. Mar. 15, 1944. 7 T27  
Recommends a vigorous settlement policy for Quebec with appropriate credit facilities.



22007 FIRESTONE, JEAN. New Zealand plans for the future. U. S. Dept. Com. Foreign Com. Weekly 14(10): 10-13. Mar. 4, 1944. 157.54 F763

Includes plans for veteran settlement.

22008 HUDD, J. Y. Settlement of returned men in our southern dairying districts. So. Austral. Dept. Agr. Jour. 47: 269. Jan. 1944. 23 So84

22009 A MODEL for land settlement. Country Life [London] 95: 344. Feb. 25, 1944. 80 C83

Work of the Land Settlement Association and its results.

22010 OLIVERA, E. A. Nuestros primeros pasos en la colonización agrícola con inmigrantes extranjeros. Res 12: 15.392-15.394. Jan. 5, 1944. 286.85 R31

Early foreign settlement in Argentina.

#### Land Utilization

22011 DUNBAIN, M. I. Primary production in the Australian States: III. Queensland. IV. Victoria. Rural Bank N. S. Wales. Farm Front 1: 151-155; 2: 1-5, processed. Nov. 1943, Jan. 1944. 281.9 R883

Agricultural regions and land use included.

22012 EIRE, DEPT. OF AGRICULTURE. Notes on the Emergency Powers (No. 234) Order, 1942, relative to cultivation of land in 1943. Eire. Dept. Agr. Spec. Leaflet 24, 4 p. Dublin? 1942. 10.5 Ir42S

Requires holders of five or more acres of land to cultivate at least a quarter of it.

#### Land Values and Valuation

22013 COLE, R. H. The appraisal of farm real estate. Cornell Univ. Abs. of Theses, 1942: 426-429. 1943. 241.8 C81

22014 HORTON, D. H. Advice on buying a poultry farm. Cackle and Crow 27(6): 3. Apr. 15, 1944. 47.8 C11

22015 JOHNSON, E. C. The farm real estate market. Fed. Reserve Bul. 30: 228-232. Mar. 1944. 173 F31B

Discusses farm income, trends in mortgage debt, farm mortgage holdings by type of lender, demand for farms for investment, and efforts to avoid a farm land boom.

22016 MURRAY, W. G. Implications of land value control. Jour. Farm Econ. 26: 240-247. Feb. 1944. 280.8 J822

Discussion, by R. C. Engberg, H. A. Steele, S. M. Waters, and L. S. Ellis, p. 247-257.

Need for and kinds of land value controls.

22017 WISE, H. L. Stabilization of land values in New Zealand. Econ. Rec. 19: 225-230. Dec. 1943. 280.8 Ec74

#### POPULATION

22018 \*ADLER, RICHARD. Les lignes principales du problème de la population d'Égypte et leur coordination. Égypte Contemporaine 34: 161-204. Mar. 1943. 270 Eg95

The economic aspects of the population problem include discussion of wages in agriculture.

22019 \*HYRENIUS, HANNES. Jordbruksbefolkningens reproduktionsförhållanden. K. Lantbr. Akad. Tidskr. 82: 351-359. 1943. 104 Sw3

English summary.

22020 \*KOTHE, I. Das mecklenburgische landvolk in seiner bevölkerungspolitischen entwicklung. Forschungsdienst, Sonderheft 16, p. 13-16. Berlin, 1942. 18 F772

22021 \*PFLAUMER-RESENBERGER. 1. Bevölkerungs-politische verhältnisse des deutschen landvolkes in Oberbayern; 2. Untersuchung der zersetzenden ein-flüsse des grundstücksverkehrs auf das bäuerliche bodenrecht in Oberbayern. Forschungsdienst, Sonder-heft 16, p. 17-18. Berlin, 1942. 18 F772

22022 ROBACK, HERBERT. Legal barriers to inter-state migration. Reprinted from Cornell Law Quart. 28: 286-312; 483-526. Mar., Jun., 1943. 283 R532

State laws and judicial decisions relating to inter-State migration, including migration of agricultural workers.

22023 \*WAHLUND, STEN. Befolkningsfrågan och jordbruket. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 21-37. 11 Sw34

On the decrease of the Swedish agricultural population.

#### RURAL SOCIAL ORGANIZATION

##### Institutions

22024 BALL, FREDERICK. The Ontario farmer and group hospitalization. Farmer's Advocate and Home Mag. 79: 180, 183. Mar. 23, 1944. 7 F22

22025 BLANCHET, JEAN. L'éducation des adultes; sa nécessité - ses réalisations; cours de formation de chefs. Terre de Chez Nous 16(24): 7. Mar. 15, 1944. 7 T27

22026 CENTRAL LANDOWNERS ASSOCIATION, LONDON. Development of agricultural education. N. S. Wales. Dept. Agr. Div. Market. State Market. Bur. Monthly Market. Rev. 11: 2-6, processed. Jan. 1944. 286.8 N47M

Report made to the Luxmoore Committee.

22027 CONGRESO NACIONAL DE CAFETEROS. COMISIÓN DE HIGIENE. Informe de la Comisión de Higiene al XIII Congreso Nacional de Cafeteros. Rev. Cafetera de Colombia 8: 3014, 3016-3018. Dec. 1943. 62.28 R32

Report on health on coffee plantations.

22028 CORREIA, P. DE L. O ensino práctico da agricultura. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(34): 2, July 1943. 280.28 C7872

Describes the work being done by three Brazilian schools of practical agriculture.

22029 DEWEES, W. I. The training of teachers for adult and young farmer instruction in vocational agriculture. Pa. State Col. Abs. Doctoral Diss. (1942)5: 136-140, processed. 1943. 241.8 P38

22030 EATON, ALLEN. Handicrafts and a way of life. U. S. Bur. Agr. Econ. Land Policy Rev. 7(1): 30-32. Spring 1944. 1 Ec7La

Handicrafts in the southern Appalachian Mountains.

22031 FARAUT, PEDRO. La enseñanza media agrónomica está llamada a prestar grandes servicios. Diario Rural 4(342): 10. Dec. 29, 1943. 9.9 D54

Agricultural education in Uruguay.

22032 GARCÉS, ENRIQUE. Esquema para una campaña sanitaria rural aprobado por la Federación Médica del Ecuador en sus sesiones. Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(36): 15-25, 27. Oct./Dec. 1943. 9.5 M31

A rural health program, with data on per capita cost.

22033 GRIGSBY, S. E. Erin: A socio-economic study of families living on marginal land. Cornell Univ. Abs. of Theses, 1942: 116-119. 1943. 241.8 G81

Study of Erin Township, in Cheung County, N. Y.

22034 HATCH, D. S. Rural reconstruction in Mexico. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 51-53, 57. Mar. 1944. 1 F752A

Describes the work of the Camohmila Center and Extension near Tepoztlan, Mexico. Crop diversification and model housing are being demonstrated.

22035 HOWES, R. M. Recreation--when war is done. U. S. Bur. Agr. Econ. Land Policy Rev. 7(1): 26-29. Spring 1944. 1 Ec7La

Recreational possibilities in the southern Appalachian Mountains.



- 22036 MANGUS, A. R., and MCNAMARA, R. L. Infant mortality highest in rural areas. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 129-130. Mar.-Apr. 1944. 100 Oh3S  
Study of conditions in Ohio.
- 22037 MANGUS, A. R. Rural health services and facilities. Ohio State Grange Monthly 47(3): 1, 2. Mar. 1944. 6 Oh33
- 22038 OLLEA, D. E. La liberación de la miseria en los pueblos. Gac. Algodonera 20(239): 1-5. Dec. 31, 1943. 72.8 G11  
Suggests increased cotton production in northern Argentina as a means of improving living conditions.
- 22039 REBOUR, H. La réation de cours communaux de taille des arbres fruitiers. Fruits et Primeurs de l'Afrique du Nord 13(132): 7. Jan. 1943. 80 F9482  
Training of workers in the pruning of fruit trees.
- 22040 ROY, J. B. Des sociétés d'agriculture formées de cercles agricoles. (Septième article) La répartition des octrois. Bul. des Agr. 40(3): 4. Mar. 1944. 7 B872
- 22041 SCHROEDER, MARTIN. The church's part in building the rural parish. Christian Rural Fellowship Bul. 88, 8 p., processed. Jan. 1944. 281.29 C46
- 22042 SEEDORF, W. Familienbildung in landwirtschaftlichen betrieiben über 0,5 ha von 1893-1898, 1903-1919, 1923-1928, 1933-1938. Forschungsdienst, Sonderheft 16, p. 18-19. Berlin, 1942. 18 F772
- 22043 SEWELL, MRS. C. W. Better health for rural America. Nation's Agr. 19(4): 7, 10. Apr. 1944. 280.82 B89
- 22044 SMITH, W. M., JR. Participation of rural young married couples in group activities. Cornell Univ. Abs. of Theses, 1942: 124-127. 1943. 241.8 C81
- 22045 STEVENS, H. B. Developing an extension service for all. U. S. Ext. Serv. Ext. Serv. Rev. 15: 44. Mar. 1944. 1 Ex892Ex
- 22046 VERKKO, VELI. Der zuzug des kriminellen elements vom lande in die städte in Finnland. Allg. Statist. Arch. 31: 250-260. 1943. 251.8 AL5  
A comparative study of criminal statistics for city and country.
- 22047 WHITLOW, SAM, and HEISKER, MARGARET. Every agent an editor. U. S. Ext. Serv. Ext. Serv. Rev. 15: 35. Mar. 1944. 1 Ex892Ex  
Extension publicity.
- Human Ecology
- 22048 KAUFMAN, H. F. A social psychological study of a New York rural community. Cornell Univ. Abs. of Theses, 1942: 120-123. 1943. 241.8 C81
- 22049 YANG, M. C. The market town and rural life in China. Cornell Univ. Abs. of Theses, 1942: 128-130. 1943. 241.8 C81
- Rural Organizations and Movements
- 22050 ADAIME, J. F. A primeira década. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(33): 2. June 1943. 280.28 C7872  
Brief history of the Departamento de Assistência ao Cooperativismo.
- 22051 ALVARINO HERR, FRANCISCO. Origen del movimiento cooperativo en el Perú. Coopecarril 18 (219): 10-11. Sept. 1943. 280.28 C7862
- 22052 ALVÍVAR CASTILLO, GONZALO. Estudio sintético acerca de las sociedades cooperativas. III. El cooperativismo en el Ecuador. (Cont.) Manabí, Ecuador. Consorcio de Centros Agr. Bol. 5(36): 30-35. Oct./Dec. 1943. 9.5 M31  
The history of the Ecuadoran cooperative movement.
- 22053 ARND, ULRICH. Kraft aus der gemeinschaft. Landesbauernschaft Niederschlesien. Wohnbl. 10: 462. Aug. 28, 1943. 18 S13  
Cooperation between farmers and city people quartered on them.
- 22054 BABCOCK, H. E. El movimiento cooperativo agrícola en los Estados Unidos. Coopecarril 18(222): 18-20. Dec. 1943. 280.28 C7862
- 22055 BOREA, DOMINGO. Las sociedades cooperativas rurales. Coopecarril 19(214): 20-27. Apr. 1943. 280.28 C7862  
Types of rural cooperation in Argentina.
- 22056 BOTTONI, E. B. Factores que se oponen al desarrollo de la cooperación en nuestro país. Coopecarril 18(218): 14-21; (219): 17-23. Aug.-Sept. 1943. 280.28 C7862  
Includes factors hampering the development of agricultural cooperatives in Argentina.
- 22057 CEDRÓN, OSCAR. Nuestro consocio Oscar Cedrón, esforzado paladín de la cooperación, recorre el Sur de la República; valiosa contribución al estudio de nuestra realidad agraria. (Cont.) Cooperar 3(20): 1-2; (21): 4-6. May 30, June 30, 1943. 280.28 C7873  
Includes agricultural cooperation in Peru.
- 22058 COLOMBAIN, MAURICE. El movimiento cooperativo en las Américas. Coopecarril 18(222): 8-13. Dec. 1943. 280.28 C7862
- 22059 DEVELOPMENTS in the cooperative movement in 1943. U. S. Bur. Labor Statist. Monthly Labor Rev. 58: 553-565. Mar. 1944. 158.6 B87M  
Includes rural and farmer cooperatives.
- 22060 DÍAZ ARANA, J. J. La cooperación y el estado. Coopecarril 18(221): 18-24. Nov. 1943. 280.28 C7862  
State regulation of cooperatives in Argentina.
- 22061 ELSWORTH, R. S. Farmers pioneers of co-ops in U. S. Mid-South Cotton News 2(24, 1. e. 29): 4. Mar. 1944. 72.8 C8295
- 22062 ELSWORTH, R. S. Trends in farmer cooperation. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 4, 14-15. Feb. 1944. 166.2 M47
- 22063 FABRA RIBAS, A. El deber de la hora presente. III. Coopecarril 19(223): 8-17. Jan. 1944. 280.28 C7862  
Cooperation in relation to various groups and policies.
- 22064 FYFE, SIR CLEVELAND. The Union's answer - to our leader and the article by Mr. Harry Walston in last week's issue. Farmers Weekly [London] 20(12): 27. Mar. 24, 1944. 10 F2226  
On the functions of the National Farmers Union.
- 22065 GONZÁLEZ PADILLA, JOSÉ. Origen e importancia del movimiento cooperativo en México. Coopecarril 18(221): 15-17. Nov. 1943. 280.28 C7862  
Includes problems and possibilities.
- 22066 GOOD, W. C. National co-operative unity; the importance of co-operative consolidation. (Cont.) Marit. Co-op. 11(6): 3, 7. Mar. 15, 1944. 280.28 M33  
Includes mention of agricultural cooperatives in Canada.
- 22067 GUIMARÊES, WLADIMIR. Síntese do movimento cooperativo bahiano. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Coop 2(23): 9, 10. July 1943. 280.28 C7842  
Also in Bahia, Brazil. Depto. de Assistência do Cooperativismo. Bol. 7, p. 65-68. Oct. 1943. 280.29 B14
- 22068 HANNAM, H. E. Organized action in agriculture gets results. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 81-83, 85. 82 N85



22069 HORM, ARVO. Estonian co-operation under Russian and German occupation. Rev. Internatl. Co-op. 37: 25-28. Feb. 1944. 280.28 InSB

22070 \*KERN, HANNS. Zusammenarbeit bedeutet fortschritt. Mitt. f. die Landw. 58: 930. Nov. 6, 1943. 18 D48M

22071 KNAPP, J. G. Five stepping stones to future service. U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 3, 14. Feb. 1944. 166.2 N47

22072 KNAPP, J. G. Pitfalls co-ops should avoid. Coop. Digest 4(10): 46-47. Apr. 1944. 280.28 C7896

22073 MACCOLL, E. D. Ante actitudes diferentes insistimos sobre un mismo tema. Diario Rural 4(352): 12. Feb. 2, 1944. 9.9 D54

On the question of farmers' organizations.

22074 MAC COLL, EDUARDO. El momento actual. Diario Rural 4(341): 16. Dec. 25, 1943. 9.9 D54

Urges organization of the Uruguayan farmers.

22075 MARQUES, NONATO. Resenha do movimento cooperativo bahiano. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Bol. 7, p. 30-34. Oct. 1943. 280.29 B14

22076 MARREY JUNIOR, J. A. Organização cooperativa da zona bragantina. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 4(37): 1, 2. Oct. 1943. 280.28 C7872

22077 MEDEIROS, J. R. Significação do Dia Cooperativo. Bahia, Brazil. Depto. de Assistência ao Cooperativismo. Bol. 7, p. 22-24. Oct. 1943. 280.29 B14

22078 \*NILSSON, KARL. Lantungdomens och jordbrukets föreningsrörelse. Stiftelse Svenska Lantbruksveckan. Händl. (1943)32: 323-328. 11 Sw34

Rural organizations in Sweden and their importance.

22079 ORTIZ, NAIR. Fiscalização de cooperativas. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(35): 4. Aug. 1943. 280.28 C7872

22080 REPETTO, NICOLÁS. La cooperación agrícola. Coopecarril 18(217): 14-23. July 1943. 280.28 C7862

A study of cooperation in the United States.

22081 REX, HELEN. Iowa farm women read and evaluate books. Libr. Jour. 69: 291-293. Apr. 1, 1944. 243.8 L61

Reading project of the Iowa Farm Bureau.

22082 REYNOLDS, QUENTIN. Defending co-ops from attack. Coop. Digest 4(10): 44-45. Apr. 1944. 280.28 C7896

22083 RICKER, A. W. A century of co-operation. Iowa Union Farmer 27(4): 3. Mar. 25, 1944. 280.28 I09

22084 RICKER, A. W. Eighteen years ago pioneers started N. W. Farmers Union. Farmers Union Herald 18(3): 3, 13. Mar. 1944. 280.28 F224

22085 ROBOTKA, FRANK. The Rochdale pioneers. Iowa Farm Econ. 10(3): 8-9. Mar. 1944. 275.28 I092

The Rochdale cooperative in England and its significance in the subsequent cooperative movement.

22086 SANDERS, S. D. Why cooperate? U. S. Farm Credit Admin. News for Farmer Coop. 10(11): 6. Feb. 1944. 166.2 N47

Purposes of farmer cooperation.

22087 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Consequências econômico-sociais do cooperativismo; alguns exemplos do panorama cooperativista no Estado de São Paulo. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 119, 40 p. São Paulo, 1943. 280.29 Sa6

Includes agricultural cooperatives.

22088 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Um decênio de cooperativismo. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 116, 54 p. São Paulo, 1943. 280.29 Sa6

Traces the development of cooperatives in the Department of São Paulo, including agricultural cooperatives.

22089 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Novas dispositivos sobre legislação cooperativista. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 61, ed. 3, 32 p. São Paulo, 1942. 280.29 Sa6

Includes the text of an address by Dr. Mariano de Oliveira Wendel, Secretary of Agriculture of the State of São Paulo, on the agreement between the Governments of Brazil and São Paulo regarding cooperation.

22090 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Orientação cooperativista. II. Associados. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 102, 31 p. São Paulo, 1942. 280.29 Sa6

Rules for the admission and exclusion of members in cooperatives.

22091 SÃO PAULO, BRAZIL. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Restauração econômica da zona bragantina. I. Plano do dr. João Bierrenbach de Lima para a organização cooperativa das forças dessa região paulista. II. Discurso do dr. J. A. Marrey Júnior no Conselho Administrativo do Estado. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Pub. 118, 35 p. São Paulo, 1943. 280.29 Sa6

Agriculture is included in the program.

22092 SARADAMBAL, SRIMATHI. Co-operation in war time. Madras Jour. Co-op. 35: 271-274. Dec. 1943. 280.28 M26

22093 SATHIANATHAN, W. R. S. Post-war reconstruction and co-operation. Madras Jour. Co-op. 35: 275-280. Dec. 1943. 280.28 M26

22094 A SHORT history of twenty years' work of the Ulster Agricultural Organisation Society Ltd., 1923-1943. Ulster Agr. Organ. Soc., Ltd. Rpt. 1942: 26-32. Belfast, 1943? 280.29 UL7

22095 SILVA, B. Q. DA. Ação das cooperativas de crédito em nosso estado. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(34): 1. July 1943. 280.28 C7872

22096 \*STIEBITZ, FRANZ. Gemeinschaftshilfe - das Gebot! Landesbauernschaft Württemb. Wchnbl. 110: 318. May 22, 1943. 18 W96

Importance of cooperation among farming neighbors in wartime.

22097 SYFTESTAD, E. A. 1943 report of work of Farmers Union Central Exchange, Farmers Union Herald 18(3): 5-7. Mar. 1944. 280.28 F224

22098 THOMAS, JEFFERSON. Cooperatives become big business. Citrus Mag. 6(9): 7, 14. Mar. 1944. 80 C498

Consumers' and farmers' cooperatives.

22099 TOMANIK, OCTACILIO. Um decênio de cooperativismo. São Paulo, Brazil. Depto. de Assistência ao Cooperativismo. Cooperativismo 3(33): 1. June 1943. 280.28 C7872

Cooperation in São Paulo since the creation of the Departamento de Assistência ao Cooperativismo.

22100 WALSTON, HARRY. What is wrong with the N. F. U.? Farmers Weekly [London] 20(11): 29. Mar. 17, 1944. 10 F2226

On the field of activities of the National Farmers Union and its opportunity to help farmers improve their efficiency.



FOOD AND HUMAN NUTRITION

## GENERAL

22101 WARD, G. H. Farmer cooperatives in Virginia. Va. Farm Econ., No. 60, p. 829-831. Mar. 1944. 275.29 V813

22102 WILLIAMS, F. S. N. "Pull your weight and pool your weight." Country Life [Brit. Columbia] 28(3): 17. Mar. 1944. 7 C832

Urges farmer participation in the B. C. Federation of Agriculture.

## RURAL SOCIAL PSYCHOLOGY

22103 VOORHEES, H. W. The farmers' reply to Governor Edge. N. J. Farm and Garden 15(3): 14, 58-59, 66. Mar. 1944. 6 G162

Attitude of New Jersey farmers toward proposed reorganization of the N. J. Dept. of Agriculture.

## TRADE, FOREIGN AND INTERNATIONAL

22104 DOMERATZKY, LOUIS. Continental Europe's post-war economy. What forces will be most potent in shaping foreign trade? U. S. Dept. Com. Foreign Com. Weekly 14(10): 3-7, 30-31. Mar. 4, 1944. 157.54 F763

22105 \*HESPANHA, J. R. A contribuição da agricultura para o nosso comércio externo em 1942 [Portugal]. III. Gaz. das Aldeias 48: 376-378. June 30, 1943. 15.5 G25

A statistical review.

22106 KELLOR, FRANCES. Arbitraje comercial interamericano. Pan Amer. Union. Bol. 78: 218-223. Apr. 1944. 150.9 M76B

22107 \*KORTEWEG, S. Het belang van economisch onderzoekingswerk voor den export. Econ. Statist. Ber. 28: 182-185. Apr. 1943. 280.8 Ec722

22108 LEAGUE OF NATIONS. ECONOMIC AND FINANCIAL COMMITTEES. Report to the Council on the work of the 1943 joint session. 81 p. Geneva, 1944. (Series of League of Nations Pub. II. Econ. and Financ. 1944.II.A.1) 280.9 L47P

Includes trade and economic policy.

22109 PAN AMERICAN UNION. Foreign trade of the Dominican Republic for 1942. Pan Amer. Union. Foreign Trade Ser., No. 205, 12 p. Washington, 1944. 150.9 F762

22110 SUTCH, W. B. Changes in New Zealand's import structure. Econ. Rec. 19: 203-211. Dec. 1943. 280.8 Ec74

22111 TERESHTENKO, V. J. International cooperative trade and post-war reconstruction. World Econ. 1(3-4): 70-82. July-Oct. 1943. 280.8 W892

Deals mainly with trade in agricultural and food commodities.

22112 YOUNG, PHILIP. The FEA [Foreign Economic Administration] and foreign trade; a statement to exporters and importers. U. S. Dept. Com. Foreign Com. Weekly 14(11): 3-6. Mar. 11, 1944. 157.54 F763

Trade Agreements

22113 DAVILA, CARLOS. El convenio del café como ejemplo y base de organización económica continental americana. Rev. Cafetera de Colombia 8: 2989-2992. Dec. 1943. 62.28 R32

22114 DILLNER, GUNTHER. Um estudo particularizado sobre a regulação dos mercados. Brasil Açucareiro 19: 405-417. Apr. 1942. 65.8 B73

International sugar agreements.

22115 APPLEBY, P. H. The United Nations' Conference on Food and Agriculture and freedom from want. Labor's Conf. on Food and Nutr. Proc. 1943: 29-33. 1944. 389.9 L11

22116 BOUDREAU, F.G. Food and nutrition policy here and abroad. Amer. Jour. Pub. Health 34: 215-218. Mar. 1944. 449.9 Am3J

22117 CASTRO, JOSUÉ DE. The food problems of Brazil. Nutr. Rev. 2: 65-67. Mar. 1944. 389.5 N953

22118 COX, H. E. The rôle of food legislation in securing adequate nutrition. Analyst 69: 74-77. Mar. 1944. 382 An1

22119 DAVEY, ARTHUR. Food poisoning. Part 2. Forms other than botulism. Food in Canada 4(3): 19-21, 24, 28. Mar. 1944. 389.8 F7323

22120 DENNETT, RAYMOND. UNRRA and the Far East. Far East. Survey 13: 59-62. Apr. 5, 1944. 280.9 In782

22121 DIXON, C.W. Outbreak of food poisoning - possible due to copper. Med. Off. 71: 69. Feb. 26, 1944. 448.8 M462

22122 ELLIOTT, F. F. Redirecting world agricultural production and trade toward better nutrition. Jour. Farm Econ. 26: 10-30. Feb. 1944. 280.8 J822

22123 \*FLOSSNER. Ernährungsforschung. Forschungsdiens, Sonderheft 16, p. 747-749. Berlin, 1942. 18 F772

22124 GLÄSSER. Lehren aus einer kürzlich vorgekommenen fleischvergiftung in der Stadt Hannover. Ztschr. f. Fleisch- u. Milchhyg. 54: 1-3. Oct. 1, 1943. 449.8 Z35

22125 GRAUBARD, MARK. Labor's stake in nutrition education. Labor's Conf. on Food and Nutr. Proc., 1943: 13-24. 1944. 389.9 L11

22126 GUNDLACH, ANITA. The fourth R. U. S. Ext. Serv. Ext. Serv. Rev. 15: 38-39. Mar. 1944. 1 Ex892Ex

School lunch program in La Crosse County, Wis.

22127 \*\*HARVEY, D. A note on the place of nutrition in state planning. East African Med. Jour. 20: 214-226. July 1943.

Abs. in Bul. Hyg. [London] 19: 138. Feb. 1944. 448.8 B87

22128 HOERNER, L. M., and LEITH, A. J. Nutrition work to the south of us. Jour. Home Econ. 36: 203-208. Apr. 1944. 321.8 J82

Uruguay and Brazil.

22129 LAMOUREUX, E. E. Food-borne diseases. Conn. Health Bul. 58: 51-55. Mar. 1944. 449.7 C76C

22130 LEVOWITZ, DAVID. A-B-C's of coliform control. Food Indus. 16(3): 87-89, 125-127. Mar. 1944. 389.8 F737

22131 LIE, HAAKON. Starvation and rehabilitation in occupied Europe. Labor's Conf. on Food and Nutr. Proc., 1943: 58-64. 1944. 389.9 L11

22132 \*LIEBMANN, M. Der stand und die problematik auf dem gebiete der landw. vorratspflege und lebensmittelforschung 1941. Forschungsdiens, Sonderheft 16, p. 673-676. Berlin, 1942. 18 F772

22133 MCNUTT, P.V. Nutrition and the manpower problem. Certified Milk 19(215): 3. Mar. 1944. 44.8 C33



22134 MALDONADO B., MANUEL. El problema de la desnutrición en Chile. Unión Agr. del Sur 1(7): 46-48. Sept. 1943. 9.3 Un3  
22135 MEHLIG, MADELINE. Some notes on food cost control for the wartime operation of school cafeterias. Forecast for Home Econ. 60(4): 27-29, 50. Apr. 1944. 321.8 F76

22136 MÖLLER, FOLKE. Hälsostillståndet och dietförhållandena i Ängermanlands skogsbygd [Health conditions and nutrition in a woody district in Ängermanland]. Sociala Meddel., No. 11, p. 849-854. 1943. 257.3 Sols

22137 MOTA, SALATIEL. A química alimentar no Serviço de Alimentação de Previdência Social. Rev. Bras. de Quím. (Cien. & Indus.) 16: 329-330. Oct. 1943. 385 R322

22138 PATERSON, G. R. The Combined Food Board. C. S. T. A. Rev. [Canada], No. 40, p. 9, 11-12. Mar. 1944. 7 C167C

22139 \*\*PHILIP, C. R. Nutrition in Kenya: notes on the state of nutrition of African children. East African Med. Jour. 20: 227-234. July 1943. Abs. in Bul. Hyg. [London] 19: 139. Feb. 1944. 448.8 B87

22140 RICHES, E. J. The I.L.O. and the world food problem. Labor's Conf. on Food and Nutr. Proc. 1943: 34-36. 1944. 389.9 L11

22141 RUSSELL, SIR JOHN. The Hot Springs conference and Indian agriculture. Gt. Brit. and East 61(1712): 19-21. Mar. 18, 1944. 286.8 N27

The effect upon Indian agriculture of carrying out the recommendations of the Hot Springs conference.

22142 SCOFIELD, W. W. Control measures in food poisonings. Assoc. Food and Drug Off. U. S. Quart. Bul. 8: 68-72. Apr. 1944. 389.9 As7Q

22143 SECOND beachhead. U. S. War Food Admin. Consumers' Guide 10(4): 3-5. Mar. 1944. 1.94 Ad422C

Work of the United Nations Relief and Rehabilitation Administration.

22144 SITSSEN, P. H. W. Relief program for the N. E. I. Far East. Survey 13: 62-66. Apr. 5, 1944. 290.9 In782

Work of the United Nations Relief and Rehabilitation Administration.

22145 SUTHERLAND, ROBERT. The food you should eat. Better Health 17:72-73. Feb. 1944. 449.8 B46

22146 THOMPSON, EDWARD. Famine in Bengal. Internat'l. Indus. 24: 377. Nov. 1943. 382 In8

22147 TORRES, VASCONCELOS. Alimentação do trabalhador na indústria açucareira baiana. Brasil Açucareiro 22(6): 70-75. Dec. 1943. 65.8 B73

22148 TORRES, VASCONCELOS. Alimentação do trabalhador na indústria açucareira do estado de Minas Gerais. Brasil Açucareiro 22: 299-302. Oct. 1943. 65.8 B73

22149 TORRES, VASCONCELOS. Alimentação do trabalhador na indústria açucareira Paulista. Brasil Açucareiro 22: 405-410. Nov. 1943. 65.8 B73

22150 TRÜB, C. L. P., and WUNDRAM, GG. Die gemeinschaftsverpflegung in ihrer beziehung zu den unspezifischen bakteriellen lebensmittelvergiftungen. Veröffentl. aus dem Geb. des Volksgsundhtsdienst., v. 56, No. 1, 172 p. Berlin, R. Schoetz, 1942. Ref., p. 159-172. 448.2 T76

22151 WHITEHURST, MRS. F. L. United Nations Conference on Food and Agriculture. Gen. Fed. Club-woman 24(3): 17. Mar. 1944. 280.8 G282

22152 WILLIAMS, MIRIAM. First aid to hemoglobin. Farm Jour. 68(4): 56-57. Apr. 1944. 6 F2212

22153 ZIMMER, RENÉ, WEILL, JOSEPH, and DUBOIS, MAURICE. The nutritional situation in the camps of the unoccupied zone of France in 1941 and 1942 and its consequences. New England Jour. Med. 230: 303-314. Mar. 16, 1944. 448.8 N442

## DIETS

22154 AMERICAN DRY MILK INSTITUTE, INC. Improving institutional diets with milk solids. Amer. Dry Milk Inst., Inc. Bul. 502, 15 p. Chicago, n. d. 44.9 Am35B

22155 \*\*ANDERSON, T. F. The diet of the African soldier. East African Med. Jour. 20: 207-213. July 1943.

Abs. in Bul. Hyg. [London] 19: 138. Feb. 1944. 448.8 B87

22156 BENDETTA, MARY. He guarantees a healthy diet. What's New in Home Econ. 8(8): 72, 78. Apr. 1944. 321.8 W55

22157 BERRYMAN, G. H., and HOWE, P. E. A short method of calculating the nutritive value of diets. (Concl.) Jour. Nutr. 27: 231-240. Mar. 10, 1944. 389.8 J82

22158 \*BOALT, CARIN. Kosthåll och näringsstandard i stads- och landsbygdshushåll under krisen [Diet and standard of nutrition in city and rural households during the war]. Stiffelse Svenska Lantbruksveckan. Handl. 1943: 84-92. 11 Sw34

22159 BUNDES, H. N. Diet and tooth decay. Ladies' Home Jour. 61(4): 181-182. Apr. 1944. 321.8 L12

22160 DUNHAM, C. B. Meat big part of soldiers' diet. Amer. Cattle Prod. 25(10): 9. Mar. 1944. 49 P94

22161 LEVERTON, R. M., and MCMILLAN, T. J. Planned and self-chosen low-cost diets. Cost and nutritive value of foods used and nutritive status of girls on the diet. Jour. Home Econ. 36: 225-229. Apr. 1944. 321.8 J82

22162 LINDMAN, I. S. Eat with the Navy. Parents' Mag. 19(4): 68, 90-92, 94. Apr. 1944. 320.8 C433

Application of Navy diets to the home.

## FOOD HABITS

22163 BAUER, W. W. Food faddists are funny folks. Food Facts 13(7): 1-3. Apr. 1944. 389.8 F734

22164 JOFFE, NATALIE. Central European food patterns. Part III. Hungarian food patterns. Pract. Home Econ. 22: 108-109, 124, 126, 128. Mar. 1944. 321.8 H752

## NUTRITIVE AND VITAMIN CONTENT

22165 BORGES, H. L. Estudio de la vitamina B<sub>1</sub> en algunos alimentos cubanos. Salubridad y Asistencia Social 46: 139-183. July/Dec. 1943. 449.75 C892S

22166 BOYER, P. D., and others. Determination of vitamin A and carotene in milk: a rapid extraction procedure. Indus. and Engin. Chem., Analyt. Ed. 16: 101-102. Feb. 1944. 381 J825A

P. H. Phillips, Curtis Jensen, and Robert Spitzer, joint authors.

22167 BUCKSTEIN, JACOB. The role of the fat soluble vitamins A and D in nutrition. (To be cont.) Amer. Jour. Digest. Dis. and Nutr. 11: 109-116. Apr. 1944. 448.8 Am324

22168 CHAVARRÍA, C. Industrialización del tomate. Agr. Costarricense 1(6): 290-291. Nov/Dec. 1943. 8 Ag895

Nutritive value.

22169 CLIFCORN, L. E., and HEBERLEIN, D. G. Effect of commercial canning on the thiamine content of vegetables. Canner 98(17): 12-15, 26. Mar. 25, 1944. 286.83 C16



- 22170 CLIFCORN, L. E., and HEBERLEIN, D. G. Retention of thiamine in canned vegetables. Part 1. Food Packer 25(5): 32-33. Apr. 1944. 286.83 C165  
Abs. in Food in Canada 4(3): 31. Mar. 1944. 389.9 F7323
- 22171 DRUMMOND, J. C. Natural nutrients of fresh and manufactured foods. Analyst 69: 71-73. Mar. 1944. 382 An1
- 22172 EBOLI, ITALO. Vitamina "D" em óleo de fígado de cação. Fauna [São Paulo] 1(6): 36-37. June 1942. 410 F272
- 22173 \*\*EFFERN, J. The estimation of vitamin C in milk and milk products by methylene blue reduction. Vorratspflege u. Lebensmittelforsch. 5: 306-308. 1942. Abs. In Chem. Abs. 38: 800. Feb. 20, 1944. 381 Am33C
- 22174 EGAÑA, ENRIQUE. Accion biologica de las vitaminas. An. Quím. y Farm. 1943: 4-13. 1944. 385 An1
- 22175 ELVEHJEM, C. A. Some modern facts about meat. What's New in Home Econ. 8(5): 24-25, 60. Jan. 1944. 321.8 W55  
Vitamin content.
- 22176 ESCUDERO, ADOLFO, HERRAIZ, M. L., and POLAK, MOISES. Influencia de la vitamina E sobre la estructura de la hipofisis y de la pineal. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 35-41. Buenos Aires, 1942. 389.9 Ar3Pu
- 22177 ESCUDERO, ADOLFO, HERRAIZ, M. L., and POLAK, MOISES. Influencia de la vitamina E sobre la estructura de las capsulas suprarrenales. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 48-57. Buenos Aires, 1942. 389.9 Ar3Pu
- 22178 EVERSON, G. J., and others. The effect of germination, the stage of maturity, and the variety upon the nutritive value of soybean protein. Jour. Nutr. 27: 225-229. Mar. 10, 1944. 389.8 J82  
Harry Steenbock, D. C. Cederquist, and H. T. Parsons, joint authors.
- 22179 FETTER, J. F. It helped. Goat World 29 (3): 10-13, 19. Mar. 1944. 40.18 G53  
Therapeutic value of goat's milk.
- 22180 \*FINK, HERMANN, and JUST, FELIZ. Über das schicksal des vitamins B<sub>1</sub> der gerste in der graupenmühle. Jour. Prakt. Chim. 162(1/7): 113-120. Feb. 15, 1943. 384 J82
- 22181 FRANDSEN, J. H. Ice cream, the ideal food. Ice Cream Rev. 27(8): 50. Mar. 1944. 389.8 Ic22
- 22182 \*GARTNER, R. Ziege oder milchschaft? Forschungsdienst, Sonderheft 16, p. 596-598. Berlin, 1942. 18 F772  
A comparison of the nutritive value of goat and sheep milk for children.
- 22183 GROVER, D. W. Food analysis. Pt. 1. Food Manufacture 19: 92-95. Mar. 1944. 389.8 F736
- 22184 GUILLEMET, RAYMOND, and SONNTAG, GEORGES. L'action des oxydants sur les proteides de la farine de blé. Paris. Acad. des Sci. Compt. Rend. 216: 420-422. 1943. 505 P21
- 22185 HINMAN, W. F., HALLIDAY, E. G., and BROOKES, M. H. Thiamine in beef muscles. A comparison of values by the thiochrome reaction applied with and without adsorption. Indus. and Engin. Chem., Analyt. Ed. 16: 116-120. Feb. 1944. 381 J825A
- 22186 HOCKETT, R. C. Discurso... ante la Asociación Nacional de Hacendados de Cuba y la Asociación de Colonos de Cuba. Asoc. de Téc. Azucareros de Cuba. Bol. Ofic. 2: 217-222. Feb. 1944. 65.9 As5B  
The nutritive value of sugar and needed studies in nutrition.
- 22187 HOLT, L. E., JR., and KAJDI, C. N. The nutritional requirements in inanition. Johns Hopkins Hosp. Bul. 74: 121-151. Feb. 1944. 448.8 J63B  
Part I. Observations on the ability of single food-stuffs to prolong survival, p.121-141. Part II. The effect of mineral and vitamin supplements on the survival of animals on single foods.
- 22188 \*HORMANN, A. La fruta. Corporación Frutícola Argentina. Rev. Ofic. 9(102): 22-25. June 30, 1943. 83 C81  
Nutritive value.
- 22189 HSÜ, P. C. The effect of exercise on the thiamine and riboflavin requirements of albino rats. Cornell Univ. Abs. of Theses, 1942: 296-298. 1943. 241.8 C81
- 22190 HUGHES, E. B. The part to be played by the food supplier in safeguarding nutritional values. Analyst 69: 77-80. Mar. 1944. 382 An1
- 22191 JACKSON, W. R., and MACEK, T. J. B complex vitamins in sugar cane and sugar cane juice. Indus. and Engin. Chem., Indus. Ed. 36: 261-263. Mar. 1944. 381 J825
- 22192 KRAUSS, W. E. Quality sells goat milk. Dairy Goat Jour. 22(1): 1, 20-21. Mar. 1944. 40.18 M592  
Stresses nutritive value.
- 22193 KRAUSS, W. E. Wartime shifts in utilization of food and feed. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 119-128. Mar./Apr. 1944. 100 Ch3S  
Nutritive values.
- 22194 KYHOS, E. D., and others. The minimum ascorbic acid need of adults. Jour. Nutr. 27: 271-285. Mar. 10, 1944. 389.8 J82  
E.S. Gordon, M.S. Kimble, and E.L. Sevringhaus, joint authors.
- 22195 LAMBORN, O. H. Frente a la campana de los enemigos del azúcar, Mr. Ody H. Lamborn expresó su criterio. Tierra Libre 8(2): 6-7, 8. Feb. 1944. 8 T443  
On the problem of the campaign being waged against the use of sugar as a food.
- 22196 LEA, N. S. Soya, the king of foods. Co-op. Merchandiser 9(3): 22-23, 41, 43. Mar. 1944. 286.28 C78
- 22197 \*LECHNER, R. Die gährungschemische verwertung der pentosen. Forschungsdienst, Sonderheft 16, p. 739-742. Berlin, 1942. 18 F772  
Research in the biological synthesis of protein from pentoses.
- 22198 LECOQ, RAOUL, CHAUCHARD, PAUL, and MAZOUÉ, HENRIETTE. Études sur le germe de blé. IV. Régulation de l'excitabilité neuromusculaire par le germe de blé. Soc. Chim. Biol. P. 25: 258-266. July/Sept. 1943. 383 Sol
- 22199 LECOQ, RAOUL, and RAFFY, ANNE. Sur les variations de la composition chimique et la richesse en vitamine B<sub>2</sub> de la farine de germe de blé. Paris. Acad. des Sci. Compt. Rend. 216: 129-131. 1943. 505 P21
- 22200 \*LINTZEL, W. Über pflanzliches und tierisches eiweiss in der menschlichen ernährung. Forschungsdienst, Sonderheft 16, p. 749-755. Berlin, 1942. 18 F772
- 22201 MAHUIZER, J. E. Calcio y fósforo en productos alimenticios de la región sur del país. Unión Agr. del Sur 1(8): 20-21. Nov. 1943. 9.3 Un3
- 22202 MELLO, ALEXANDRE. O leite. Alguns aspectos relacionados aos fenômenos da nutrição, da industrialização e da produção. Bol. de Indus. Anim. (n.s.) 6(3): 3-8. July 1943. 49 R324
- 22203 MINUT, J. Notas sobre mesologia e ecologia leiteira: O aspecto vitamínico, o estudado, o conhecido e o ignorado. Rev. dos Criadores 14(16): 57-59; 15(1): 43-45. Dec. 1943, Jan. 1944. 43.8 R32



- 22204 MONK, H. E. Declaration of vitamin content. Food 13: 64-65. Mar. 1944. 389.8 F738
- 22205 MORGAN, A. F., and others. Vitamin losses in commercially produced dehydrated vegetables, cabbage, potatoes, carrots, and onions. Fruit Prod. Jour. and Amer. Food Mfr. 23: 207-211, 219, 221. Mar. 1944. 389.8 F94
- B. C. Carl, M. C. Hunner, L. E. Kidder, M. Hummel, and J. M. Peat, joint authors.
- 22206 MOYER, J. C. The thiamin content of certain vegetables. Cornell Univ. Abs. of Theses, 1942: 318-320. 1943. 241.8 C81
- 22207 "MURPHY, S." The potato. Arkady Rev. 20: 31-34. Apr. 1943. 389.8 Ar4
- As food.
- 22208 NUÑEZ, I. M. Aporte vitaminico y mineral del arroz nacional. An. Quim. y Farm. 1943: 28-33. 1944. 385 An1
- 22209 OSBORNE, W. A. Tea; its physiology and psychology. Austral. Baker and Millers' Jour. 46(562): 48. Dec. 31, 1943. 298.8 Au7
- Physiological effects of tea.
- 22210 \*OTT-DARMSTADT, M. Bewertung von Nahrungs- und Futtermitteln. Forschungsdienst, Sonderheft 16, p. 677-684. Berlin, 1942. 18 F772
- 22211 PANTOTHENIC acid: its nutritional significance. Borden's Rev. of Nutr. Res. 5(3): 1-10. Mar. 1944. 389.8 B64
- 22212 PEARSON, P. B. Investigations on dehydrated vegetables. South. Canner and Packer 5(1): 12. Jan. 1944. 389.8 So82
- Investigations in the Nutritional Laboratory at Texas A. and M. College, on vitamins and other nutritional elements in dehydrated vegetables.
- 22213 RANDOIN, L., and BOISSELOT, J. Recherches comparatives sur la valeur biologique des protides de la caséine et des protides de la farine de tourteau d'arachide déshuilée. Importance de l'équilibre minéral des rations d'expérience. Soc. Chim. Biol. Bul. 25: 250-258. July/Sept. 1943. 383 Sol
- 22214 RAOUL, Y. Recherches biochimiques sur les avitaminoses du groupe de la pellagre. Soc. Chim. Biol. Bul. 25: 266-286. July/Sept. 1943. 383 Sol
- I. Mesure de l'excrétion de corps à fluorescence bleue au cours du traitement nicotinique. II. Nature de certaines substances à fluorescence bleue de l'urine. III. Répartition et rôle éventuel de certains corps à fluorescence bleue.
- 22215 RHOADES, E. L. Soybean proteins in national nutrition. Seed World 55(6): 20, 22. Mar. 17, 1944. 61.8 Se52
- 22216 RIVOIRE, PHILIPPE. Usturoiul reabilitat. Hort. Românească 17(9/10): 15-16. Sept./Oct. 1939. 80 R328
- Nutritive value of onions.
- 22217 ROBINSON, F. A. The vitamins. Food Manufacture 19: 96-98. Mar. 1944. 389.8 F736
- 22218 \*SCHEUNERT, A. Forschungsarbeiten des Arbeitskreises "ernährung." Forschungsdienst, Sonderheft 16, p. 756-762. Berlin, 1942. 18 F772
- Vitamin content of foods.
- 22219 SCHULZ, MAX, and WERNER, W. Der vitamin B<sub>1</sub>-gehalt von kefirpilzen und kefirpulver. Zentbl. f. Bakt. [etc.] Abt. II. 106: 28-31. Aug. 28, 1943. 448.3 C33
- 22220 SHANK, D. E. Save vitamins and minerals in preparation. What's New in Home Econ. 8(7): 52-53, 123. Mar. 1944. 321.8 W55
- 22221 SHANK, D. E. The versatile soybean. What's New in Home Econ. 8(5): 20-21, 98-99, 102. Jan. 1944. 321.8 W55
- 22222 SHEFFERMAN, NATHAN. Vitamins and labor accord. Labor's Conf. on Food and Nutr. Proc., 1943: 43-49. 1944. 389.9 L11
- 22223 STANDARD BRANDS INCORPORATED. The story of a great grain food. What's New in Home Econ. 8(8): 139-154. Apr. 1944. 321.8 W55
- 22224 \*TOURSEL, O. Elweiss aus schimmelpilzen. Forschungsdienst, Sonderheft 16, p. 736-738. Berlin, 1942. 18 F772
- 22225 TRACE elements in nutrition III. Iron. Borden's Rev. Nutr. Res. 5(4): 1-10. Apr. 1944. 389.8 B64
- 22226 WATSON, DONALD. Should vegetarians eat dairy produce? (To be cont.) Veg. Messenger and Health Rev. 41: 46-51. Mar. 1944. 389.8 V522
- 22227 WATSON, E. K. A study of the influence of ascorbic acid and potassium citrate on the calcium metabolism of preschool children. Cornell Univ. Abs. of Theses, 1942: 500-502. 1943. 241.8 C81
- 22228 WEIER, T. E. Changes in carotene and starch during blanching and dehydration. Quick Frozen Foods 6(8): 79, 84. Mar. 1944. 389.8 Q4
- 22229 WILLSON, I. S. A call to colors. What's New in Home Econ. 8(7): 50, 120. Mar. 1944. 321.8 W55
- Vitamin content of fruits and vegetables.
- 22230 WOODROOF, J. G., and SKOLD, MARY. Pea sprouts may add variety, palatability to southern diet. South. Canner and Packer 4(11): 16. Nov., 1943. 389.8 So82
- 22231 YOUNG, J. B., and others. Surveys of the nutrition of populations. 3. The vitamin A nutrition of a rural population in middle Tennessee. Amer. Jour. Pub. Health 34: 368-378. Apr. 1944. 449.9 Am3J
- E. W. Patton, W. R. Sutton, Ruth Kern, and Ruth Steinkamp, joint authors.
- 22232 ZIMMERMAN, H. F. The seven food groups. Milk Prod. 10(2): 2. Mar. 1944. 44.8 M5993
- Nutritive value.
- 22233 \*ZIMMERMANN, W. Versuche über vitamin C in süßmosten. Forschungsdienst, Sonderheft 16, p. 744-745. Berlin, 1942. 18 F772
- 22234 ZSCHEILE, F. P., and others. Determination of vitamin A and carotenoids in butterfat. Comparison of direct spectrophotometry with filter photometry and use of the antimony trichloride reaction. Indus. and Engin. Chem., Analyt. Ed. 16: 83-85. Feb. 1944. 381 J825A
- H. A. Nash, R. L. Henry, and L. F. Green, joint authors.
- 22235 ZSCHEILE, F. P., and others. Determination of vitamin A and carotenoids in butterfat, spectroscopic characteristics of butterfat fractions and problems involved in biological interpretations. Indus. and Engin. Chem., Analyt. Ed. 16: 190-193. Mar. 1944. 381 J825A
- R. L. Henry, J. W. White, Jr., H. A. Nash, C. L. Shrewsbury, and S. M. Hauge, joint authors.

## MISCELLANEOUS

## GENERAL

- 22236 BEVAN, ARTHUR. Background of conservation. Commonwealth 11 (2): 7-11. Feb. 1944. 280.8 C732

Synopsis of an address.

- 22237 BRANDT, JOHN. Give USDA back to farmers. Capper's Farmer 55(4): 9, 52. Apr. 1944. 6 M693
- Critical of present policies and work of the U. S. Department of Agriculture.



- 22238 BRIQUET JUNIOR, RAÚL. Da ecologia. Ceres [Brazil], 4: 299-314. May/June 1943. 9.2 C332 Importance of ecology in the biological world.
- 22239 CANADA. WARTIME INFORMATION BOARD. A selected list of wartime pamphlets. Canada. Wartime Inform. Bd. War & After, No. 4, 48 p. Ottawa, 1943. 241.3 C164
- Some of the pamphlets relate to agriculture.
- 22240 CROSS, ROY. From a chemist's diary. Kansas City (Mo.) Testing Lab. Bul. 29, 315 p. Kansas City, 1943. 388 C88

Includes such topics as the importance of potash in plant growth, grasshoppers as feed for turkeys, vitamins in nutrition, synthetic rubber, soil composition, relief procedure for the wheat farmer, hay making, milk pasteurization, and food in the war effort.

- 22241 \*GJÖRES, AXEL. Försörjningsfrågor. Stiftelse Svenska Lantbruksveckan. Handl. (1943)32: 59-83. 11 Sw34

The fertilizer, seed, and food situation in Sweden.

- 22242 INSTITUTO AGRARIO ARGENTINO. Reseña general, histórica, geográfica y económica del Partido de "Junín" (Pcia. de Buenos Aires). Inst. Agr. Argentino. Reseñas, año 4, No. 23, 142 p. 1943. 281.9 B862

A survey consisting of signed and unsigned articles. Includes chapters on the development of agriculture and livestock production and on the dairy industry and one by Alfredo Porcel on pests in stored grain.

- 22243 MAYO, NAT. The [Florida] State Department of Agriculture and the war effort. Fla. State Hort. Soc. Proc. (1943)56: 90-92. 81 J66

- 22244 MELLO MORAES, J. DE. A química agrícola na América do Norte. Agr. e Pecuaria 16(249): 19-20. Dec. 1943. 9.2 Ag89

- 22245 \*MEYER IN DER STROTH. Der bauer und das recht. Landesbauernschaft Württemb. Wchnbl. 110: 319. May 22, 1943. 18 W96

On the need for the farmer to help in getting together the existing body of agricultural law.

- 22246 MILLS, E. M. The control of field mice in orchards. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 12-13. 81 P37

- 22247 SOUTH CAROLINA. STATE PLANNING BOARD. The natural resources of South Carolina. S. C. State Planning Bd. Bul. 3, rev., 115 p. Columbia, 1944. 280.7 So8292B

Physiography and climate, water supply, power resources, minerals, soils, forests, wild life, and wild crops.

#### HISTORY AND BIOGRAPHY

- 22248 COWGILL, G. R. Russell Henry Chittenden. Amer. Jour. Sci. 242: 164-167. Mar. 1944. 470 Am34

- 22249 DIAS, J. DE D. DE O. Histórico da agricultura; definição, importância e generalidades. Pernambuco, Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 55-60. June 1943. 9.2 P432

- 22250 ELLIS, D. M. An agrarian history of eastern New York, 1790-1850. Cornell Univ. Abs. of Theses, 1942: 105-108. 1943. 241.8 C81

- 22251 \*FRANZ, G. Die sammlung der ländlichen rechtsquellen Thüringens. Forschungsdienst, Sonderheft 16, p. 19-20. Berlin, 1942. 18 F772

An account of the collecting of early legal documents relating to agriculture in Thuringia.

- 22252 HUTCHESON, T. B. Lessons from Thomas Jefferson's farming. Prog. Farmer, Ky.-Tenn. Ed. 59(4): 16, 30. Apr. 1944. 6 P945K

- 22253 \*KLOKK, OLAV. Nordiske Jordbruksforskeres Forening N. J. F. Norsk Landbruk 9: 269-272. Oct. 1, 1943. 11 N8122

Activities of the Nordiske Jordbruksforskeres Forening N. J. F. during the last 25 years.

- 22254 M., F. R. James McKeen Cattell. Sci. Monthly 58: 249-252. Mar. 1944. 470 Sci23

- 22255 PICCIRILLI, RICARDO. Rivadavia y el régimen de la tierra argentina; una visión de las ideas agrarias del gran mandatario. Res 11: 15.149-15.150, 15.151. Nov. 5, 1943. 286.85 R31

- 22256 RIVERO MUNIZ, JOSÉ. El descubrimiento del tabaco. Rev. Tabaco 10(14): 5, 6, 7-8. Nov. 1942. 69.8 R323

Also in English translation, p. 45-46.

#### INTER-AMERICAN RELATIONS

- 22257 MARTIN, SYLVIA. Uncle Sam takes the rap. How rehabilitation efforts in Ecuador's El Oro Province became a target for sniping at the Good Neighbor policy. Inter-American 3(4): 23-25. Apr. 1944. 280.8 In85

#### METEOROLOGY

- 22258 BERGEIRO, J. M. El clima y los problemas agropecuarios; la meteorología, valioso auxiliar de las industrias madres. Asoc. Rural del Uruguay. Rev. 70(10): 59, 62-63. Oct. 1943. 9.9 As5

- 22259 \*KREUTZ, W. Agrarmeteorologische Forschungen. Forschungsdienst, Sonderheft 16, p. 125-132. Berlin, 1942. 18 F772

#### RESEARCH

- 22260 BLACK, J. D. What kind of research program is needed to deal with post-war problems? A college viewpoint. [Summary.] New England Res. Council on Market. and Food Supply. Proc. 1944: 71-72, processed. 252.004 N443M

- 22261 DEERING, A. L. What kind of research program is needed to deal with post-war problems? From the standpoint of longer-time research--an Extension Service point of view. [Summary.] New England Res. Council on Market. and Food Supply. Proc. 1944: 69-70, processed. 252.004 N443M

- 22262 \*DIEKMANN, J. Die auslandsarbeit des Forschungsdienstes. Forschungsdienst. Sonderheft 16, p. 791-793. Berlin, 1942. 18 F772

- 22263 ESCOBAR, FRANCISCO. La agricultura científica. Unión Agr. del Sur 2(9): 14. Jan. 1944. 9.3 Un3

Survey of discoveries which have contributed to scientific agriculture.

- 22264 \*GRÄTER. 75 Jahre Württ. Lehr- und Versuchsanstalt für Wein- und Obstbau in Weinsberg. Landesbauernschaft Württemb. Wchnbl. 110: 550. Oct. 2, 1943. 18 W96

- 22265 MACLEOD, ALAN. What kind of research program is needed to deal with post-war problems? New England Res. Council on Market. and Food Supply. Proc. 1944: 42-43, processed. 252.004 N443M

- 22266 MERCHANT, C. H. What kind of research program is needed to deal with post-war problems? Utilization of research personnel that may become available at the end of the war. New England Res. Council on Market. and Food Supply. Proc. 1944: 65-68, processed. 252.004 N443M

- 22267 MIDDLEAUGH, W. S. What kind of research program is needed to deal with post-war problems? Research as a part of post-war planning in the Northeast. New England Res. Council on Market. and Food Supply. Proc. 1944: 60-64, processed. 252.004 N443M



22268 ROTHAMSTED centenary number. MSN; Monthly Science News, No. 24, 8 p. 1943. 472 M76

Contents: Founding the fertilizer industry, by Sir John Russell; The revolution in statistics, by F. Yates; Insects, by C. B. Williams; Roots search for water, by B. A. Keen; The constitution of the soil, by E. M. Crowther; Field experiments, by D. J. Watson; The experimental farm, by J. R. Moffatt; Bees, by C. G. Butler; Plant diseases, by F. C. Bawden; Insect killers, by F. Tattersfield; Trace elements, by W. E. Benchley; The soil's population of microbes, by H. G. Thornton; The Imperial Bureau of Soil Science, by G. V. Jacks.

22269 TISDALE, W. H. La investigación científica en sus aplicaciones recientes a los problemas vegetales y animales. Res 11: 15.284-15.285. Dec. 5, 1943. 286.85 R31

22270 WOODWORTH, H. C. What kind of research program is needed to deal with post-war problems? Research in production. New England Res. Council on Market. and Food Supply. Proc. 1944: 44-54, processed. 252.004 N443M

#### STATISTICS

22271 BECKER, J. A. Problems in estimating food production in wartime. Amer. Statis. Assoc. Jour. 39(225): 30-34. Mar. 1944. 251 Am3

Sources and methods in the collection of agricultural statistics.

22272 EBLING, W. H. The social value of agricultural statistics. Amer. Statis. Assoc. Jour. 39 (225): 21-29. Mar. 1944. 251 Am3

22273 \*HANSEN, L. P. Om høstprofetiers paalidelighed. Ugeskr. for Landmaend 88: 735-739. Oct. 22, 1943. 11 Ug3

On the reliability of the present methods of crop forecasting.

Corrections, p. 759.

#### NEW PERIODICALS AND SERIALS

22274 A PROPOS DE SHADA (Société Haïtienne-Américaine de Développement Agricole). Monthly. Vol. 1, No. 5, Oct. 1943. 10 p. Port-au-Prince. 8 Sh1

22275 \*ANAND, INDIA. INSTITUTE OF AGRICULTURE. Botanical series bulletin. Irregular? No. 1, July 1943. 27 p. 451 An1

22276 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Boletín Serie A: La alimentación de la familia en Buenos Aires. Monthly. Año 1, No. 1, Oct. 1938. 19 p. Buenos Aires. 389.9 Ar3

22277 ARKANSAS TREE FARMER (Arkansas Tree Farm System). Monthly. Vol. 1, No. 1, Dec. 1943. 4 p. Little Rock, P. O. Box 1940. 99.8 Ar4

22278 ARROCERA (Cooperativa Arrocería de Producción y Crédito). Monthly. Año 1, No. 1, Oct. 1943. 27 p. Guayaquil, Ecuador. 59.8 Ar6

22279 \*BOMBAY(PRESIDENCY) DEPARTMENT OF AGRICULTURE. Special pamphlet. Irregular. No. 1, 1941? 2 p. Poona. 22 B63Sp

22280 BUREAU OF NATIONAL AFFAIRS, INC. Daily report on agricultural commodities. No. 75, Oct. 11, 1943. 72 p., processed. Washington, D. C. 7, 2201 M St., N. W. 281.9 B89

Current developments, latest reports, AA, p. 1-4; Current developments, A, p. 1-39; Economic section, B, p. 1-29.

Has weekly index.

22281 \*CHINA. MINISTRY OF AGRICULTURE AND FORESTRY. Abstract of agriculture and forestry research bulletin. Bimonthly. Vol. 1, No. 1, Jan. 1941. 33 p. Chungking. 22.5 C44A

Text in Chinese; added title page in English.

22282 COFFEE TRADE REVIEW and Statistical Bulletin. Monthly. Vol. 1, No. 1, May 1943. 14 p. New York, 120 Wall St. 68.28 C65

22283 \*DIE DEUTSCHE MOLKEREI- UND FETTWIRTSCHAFT. Weekly. Vol. 1, No. 1, Apr. 9, 1943. 12 p. Hildesheim. 44.8 D485

"Amtliches Organ der fachhaften Molkereien und Kaufleute für Butter, Käse und Fettwaren im Reichs-nährstand sowie der Fachgruppe Milch-Industrie."

Supersedes Molkerei-Zeitung, Hildesheim (44.8 M73); Deutsche Molkerei-Zeitung, Kempten (Allgäu) (44.8 Su2); Milchwirtschaftliche Zeitung, Wien (44.8 Os7); Der Molkerei- und Käseerzeuger - Milchwirtschaftliche Zeitung, Berlin; Die Deutsche Fettwirtschaft, Hildesheim; and Die Käse-Industrie, Hildesheim.

22284 ÉIRE. DEPARTMENT OF AGRICULTURE. Special Leaflet. Irregular. No. 1, 2 p. Dublin, 1939? 10.5 Ir425

22285 ENGINEERS' DIGEST (AMERICAN EDITION). Monthly. Vol. 1, No. 1, Dec. 1943. 68 p. N.Y., 1 Madison Ave. 290.8 En391A

22286 FAUNA; revista mensal de caça, tiro, pesca e fauna em geral. Vol. 1, No. 6, June 1942. 48 p. São Paulo, Rua Xavier de Toledo, 46. 410 F272

22287 FEDERACIÓN ARGENTINA DE COOPERATIVAS TAMBÉRAS LDA. Revista. Monthly. Año 1, No. 2, Sept. 1941. 16 p. Rosario. 280.28 F31

22288 NATIONAL INDUSTRIAL CONFERENCE BOARD, INC. The Conference Board business record. Monthly. Vol. 1, No. 1, Jan. 1944. 19 p. New York, 247 Park Ave. 280.9 N216Cb

22289 PHILLIPS WAR WORKERS NEWS. Bi-monthly. Vol. 1, No. 2, Nov. 30, 1943. 4 p. Cambridge, Md. 389.8 P54

22290 \*PROGRESS; news letter and bulletin of the Gold Coast Agricultural and Commercial Society (1942). Bimonthly. Vol. 1, No. 4, Oct./Nov. 1943. p. 27-34. Accra. 24 P94

22291 RURAL BANK OF NEW SOUTH WALES. ECONOMIST'S DEPT. The farm front; a review of agricultural policy and conditions. Monthly. Vol. 1, No. 11, Nov. 1943. p. 149-164, processed. Sydney? 281.9 R883

22292 SOUTHWEST FLAXSEED ASSOCIATION. Bulletin. Irregular. No. 1, Feb. 15, 1944. 2 p., processed. Imperial, Calif., P. O. Box 638. 73.19 So8

22293 \*TÜRK EKONOMİSİ. Yıl 1, Sayı 1, July 1, 1943. 47 p. Ankara. 280.8 T843

In Turkish.

22294 UNIÓN AGRÍCOLA DEL SUR. Monthly. Año 1, No. 2/3, Mar. 1943. 64 p. Concepción, Chile. 9.3 Un3

22295 WAYNE UNIVERSITY, Detroit, Mich. Studies in air transport. Irregular? No. 1, 1944. 100 p. 289.59 W36

22296 \*ZUCKERINDUSTRIE. Monthly. Vol. 1, No. 1, Apr. 17, 1943. 14 p. Magdeburg, Germany. 65.8 Z8

Supersedes Centralblatt für die Zuckerindustrie (65.8 C33) and Die Deutsche Zuckerindustrie (65.8 D48).







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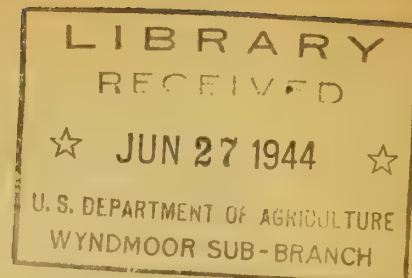
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50 cents for each 10 pages of text or fraction thereof.



PUBLICATIONS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS, STATE AGRICULTURAL EXTENSION SERVICES, AND BOOKS AND PAMPHLETS FROM OTHER SOURCES

U. S. D. A. PUBLICATIONS

Includes printed and processed publications of the Department received in the library during the preceding month, except materials issued for internal administrative use rather than for public distribution, and war-restricted publications.

This issue contains the first semiannual listing of periodicals issued by the Department. Periodicals are listed by title under the issuing agencies.

Printed publications may be obtained free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the Department's supply lasts. After this free distribution is exhausted, publications may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Processed publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Publications preceded by an asterisk (\*) are not available for distribution; microfilm or photoprint copies can be supplied at the cost of preparing them.

Agricultural War Information

22297 FATS in wartime meals. U. S. D. A. AWI-34, slightly rev., 4 p. 1944. 1 Ag84Aw

Includes fat-saving recipes.

22298 HASKELL, R. J., and PAILTHORP, R. R. Good seed potatoes give best results. U. S. D. A. AWI-88, 5 p. folder. 1944. 1 Ag84Aw

22299 JOIN us on the farm front; be a Victory Farm Volunteer of the U. S. Crop Corps. U. S. D. A. AWI-91, 4 p. folder. 1944. 1 Ag84Aw

A call to American youth.

22300 PREVENT accidents. U. S. D. A. AWI-87, 2 p. 1944. 1 Ag84Aw

22301 SUBSTITUTES for scarce materials. U. S. D. A. AWI-15, rev., 16 p. 1944. 1 Ag84Aw

Feed supplements and medicinal remedies for livestock; fungicides; fertilizer supply; insecticides for control of insects affecting plants, animals, and man.

22302 THE WAR Food Administration's achievement "A" award for food processors. U. S. D. A. AWI-84, 6 p. folder. 1944. 1 Ag84Aw

22303 WHEAT grading at country points. U. S. D. A. AWI-86, 8 p. folder. 1944. 1 Ag84Aw

Circulars

22304 PEEBLES, R. H., and FULTON, H. J. Ratooned SXP cotton. U. S. D. A. Cir. 693, 11 p. 1944. 1 Ag84C

22305 WALLIS, R. L. Control of the Mexican bean beetle [Epilachna varivestis] in irrigated districts in the West. U. S. D. A. Cir. 675, 12 p. 1944. 1 Ag84C

22306 ZELLER, J. H., and HETZER, H. O. Influence of type of hog on production efficiency. U. S. D. A. Cir. 698, 16 p. 1944. 1 Ag84C

Farmer and the War

22307 WHAT post-war policies for agriculture? U. S. D. A. The Farmer and the War - No. 7, 13 p. 1944. 1 Ag84W

Farmers' Bulletins

22308 COSTELLO, D. F., and TURNER, G. T. Judging condition and utilization of short-grass ranges on the Central Great Plains. U. S. D. A. Farmers' Bul. 1949, 21 p. 1944. 1 Ag84F

22309 WALKER, J. C. Diseases of cabbage and related plants. U. S. D. A. Farmers' Bul. 1439, slightly rev., 38 p. 1944. 1 Ag84F

A revision of and supersedes Farmers' Bulletins 925 and 1351, Cabbage Diseases, by L. L. Harter and L. R. Jones.

Leaflets

22310 BEATTIE, J. R., and others. Production of carrots. U. S. D. A. Leaflet 125, rev., 4 p. 1944. 1 Ag84L

W. R. Beattie, R. E. Wester, and S. P. Doolittle, joint authors.

22311 WOODWARD, T. E. Making grass silage by the wilting method. U. S. D. A. Leaflet 238, 4 p. 1944. 1 Ag84L

Miscellaneous Publications

22312 ADAMS, GEORGIAN, and SMITH, S. L. Experiment station research on the vitamin content and the preservation of foods. U. S. D. A. Misc. Pub. 536, 88 p. 1944. Ref., p. 81-88. 1 Ag84M

22313 KING, W. V., BRADLEY, G. H., and MCNEEL, T. E. The mosquitoes [Culicidae] of the Southeastern States. U. S. D. A. Misc. Pub. 336, slightly rev., 96 p. 1944. Ref., p. 87-95. 1 Ag84M

Includes sections on collection and control.

22314 ROGERS, E. G. Publications and visual information on soil conservation. U. S. D. A. Misc. Pub. 446, rev., 20 p. 1944. 1 Ag84M

Periodicals

22315 AGRICULTURE decisions under the regulatory laws administered in the United States Department of Agriculture (including court decisions). Monthly. 1 Ag84Ad

22316 CROPS and markets. Quarterly. 1 Ag84Wcm  
Statistics of crop and livestock production, farm employment and wage rates, farm income, farm prices, etc.

22317 FOOD and home notes. Weekly. Processed. 1.90 A5F73

22318 JOURNAL of agricultural research. Semi-monthly. 1 Ag84J

22319 MONTHLY list of [U. S. Dept. of Agriculture] publications. 1 P96M

22320 POST-WAR agriculture, Southwest Intermountain Region. [Irregular] Processed. Albuquerque, N. Mex. 1.90 A5P842

Issued by the Post-War Programs Committee for all at work on post-war agricultural programs in the region. First issue, Jan. 26, 1944.

22321 USDA. Semimonthly. 1 Ag84U

Items about the Department of Agriculture and its employees.

22322 USDA summary [of releases and reports]. Daily. Processed. 1.90 A2Un7

Radio Broadcasts, National Farm and Home Hour (Processed)

22323 AUCHTER, E. C., and KADDERLY, W. L. Science and future production. 2 p. Apr. 6, 1944. (Post-War Agr. No. 18) 1.914 R2R11



- 22324 DAWSON, J. R. Keeping up milk production with a single-grain ration. 1 p. Mar. 6, 1944. 1.973 A2D32
- 22325 DUMARS, M. L., and JOHNSON, A. G. Treating seed grains for higher yields. 2 p. Mar. 8, 1944. 1.965 A2J63
- 22326 FINN, W. G., and DUMARS, M. L. Critical crop needs. 3 p. Mar. 29, 1944. 1.42 Ad4F1  
Intentions to plant compared with needs.
- 22327 HARRIS, JESSIE, and KADDERLY, W. L. Now you can use more eggs. 2 p. Apr. 5, 1944. 1.9422 Civ2H24
- 22328 HILL, GEORGE, and DUMARS, M. L. Farm labor in '44. 3 p. Mar. 13, 1944. 1.9424 L2H55
- 22329 ISAAC, G. J., and KADDERLY, W. L. Farmers' income tax estimate. 2 p. Apr. 4, 1944. 1.941 F5I81
- 22330 KADDERLY, W. L., and others. Alabama's farm production report to the nation. 5 p. Apr. 17, 1944. (Farm Production Report to the Nation No. 2) 1.914 R2R11  
Jim Romine, P. O. Davis, A. W. Jones, Mr. and Mrs. Joe Webster and sons, Prince and Paul, participating.
- 22331 KADDERLY, W. L., and CUMINGS, G. A. It makes a difference where you place the fertilizer. 3 p. Apr. 3, 1944. 1.9 En3Cu
- 22332 KADDERLY, W. L., and others. New Jersey farm production report to the Nation. 5 p. Apr. 10, 1944. (Farm Production Report to the Nation No. 1) 1.914 R2R11  
H. E. Propst, L. A. Bevan, and Mr. and Mrs. Robert Schwab participating.
- 22333 MALOTT, E. O., and KADDERLY, W. L. Farm gasoline. 2 p. Apr. 4, 1944. 1.9424 M2M29
- 22334 MARSHALL, LEE. Post war food distribution. 2 p. Apr. 20, 1944. (Post-War Agr. No. 19) 1.914 R2R11
- 22335 NATIONAL 4-H club program. 1 No., processed. 1.914 R2R11  
No. 174. [News of 4-H club work; tribute to the memory of Thomas Jefferson.] 7 p. Apr. 1, 1944.
- 22336 SHRADER, H. L., and DUMARS, M. L. Count next year's eggs now. 2 p. Mar. 7, 1944. 1.913 P4Sh8  
Planning production with high quality flocks.
- 22337 SHRADER, H. L., and KADDERLY, W. L. Cull another coop-ful [of poultry]. 2 p. Feb. 14, 1944. 1.913 P4Sh8
- 22338 TERMOHLEN, DEWEY, and GAY, C. B. Eggs. 2 p. Apr. 18, 1944. 1.944 D2T27  
Price outlook and situation.
- 22339 USDA BULLETIN BOARD. Processed. 1.914 L2R11  
Frequent broadcasts on farm and home subjects.
- 22340 VAN DEMAN, RUTH. Cabbage can help with calcium. 1 p. Mar. 7, 1944. 1.982 A2V28
- 22341 VAN DEMAN, RUTH, and DUMARS, M. L. Slip covers for furniture. 2 p. Mar. 14, 1944. 1.982 A2V28

#### Radio Broadcasts.

##### Victory Garden Programs (Processed)

- 22342 MOORE, ERNEST, DUMARS, M. L., and WHITE, W. H. Beat the bugs! 6 p. Apr. 21, 1944. (Victory Gardens No. 51) 1.914 R2R11
- 22343 MOORE, ERNEST, and DUMARS, M. L. Perma-nent crops for the home garden. 5 p. Mar. 31, 1944. (Victory Gardens No. 48) 1.914 R2R11
- 22344 MOORE, ERNEST, and DUMARS, M. L. Straw-berries and other small fruits. 6 p. Apr. 7, 1944. (Victory Gardens No. 49) 1.914 R2R11

#### Technical Bulletins

- 22345 ARBUTHNOT, K. D. Strains of the European corn borer [*Pyrausta nubilalis*] in the United States. U. S. D. A. Tech. Bul. 869, 20 p. 1944. 1 Ag84Te

- 22346 MCKINNEY, K. B. The cabbage looper [*Auto-grapha brassicae*] as a pest of lettuce in the South-west. U. S. D. A. Tech. Bul. 846, 30 p. 1944. 1 Ag84Te
- 22347 SCHOLTEN, J. A. Timber-connector joints; their strength and design. U. S. D. A. Tech. Bul. 865, 106 p. 1944. 1 Ag84Te
- 22348 SWAIN, R. B. Nature and extent of Mormon cricket [*Anabrus simplex*] damage to crop and range plants. U. S. D. A. Tech. Bul. 866, 44 p. 1944. 1 Ag84Te

#### Unnumbered Publications

- 22349 FARM FLASHES. 14 Nos. 1 p. each, processed. n. d. 1.9 In3F  
"For broadcast use only."  
Contents: Demand for more eggs; Good tree fruit out-look; How farm labor plan works; How keep power on job; Land buying danger; Leghorns lead on U.S. farms; Lights boost chick growth; Little lambs eat sneeze-weed; Milk prospect brightens; Power failure no chick hazard; Prospect for oil crops; Rise in milk & cream use; Seed situation critical; Short-cuts with elec-tricity.
- 22350 HOMEMAKERS' CHAT. 10 Nos. 3 p. each, processed. 1944. 1.9 In3Hh  
"For use in non-commercial broadcasts only."  
Battling bugs in your Victory garden. Apr. 26.  
The best fed family in the world. Apr. 24.  
Consumer market tips. May 3.  
Eggs for victory. May 1.  
The fat situation. Apr. 28.  
Notes on fresh vegetables. Apr. 25.  
Question box  
Best way to save strawberries? How prevent screw bands from rusting? Food value of potatoes? May 4.  
How use more eggs? Soya in scrapple? Green spots in potatoes? Apr. 27.  
What plant for canning? How garden keeps down point value? Gasoline for gardeners? May 2.  
Sugar for home canning. May 5.
- 22351 NORTHEAST agricultural atlas. 1 v., 15 sect., processed. n. d. 1.90 C2P84  
Prepared by the Northeast Post-War Planning com-mittee.

#### AGRICULTURAL ECONOMICS, BUREAU OF

- 22352 CANNON, M. F. Maximum prices relating to agricultural commodities or primary products thereof. 17 p., processed. 1944. 1.941 F3M45  
Covers pertinent regulations issued by the Office of Price Administration on or before Feb. 14, 1944.
- 22353 CATTLE feeding situation - November 1, 1943. 2 p., processed. 1943. 1.9 Ec742Cat
- 22354 CATTLE on feed, April 1, 1944. 2 p., processed. 1944. 1.9 Ec742Caf
- 22355 EARLY lamb situation - April 1, 1944. 2 p., processed. 1944. 1.9 Ec742
- 22356 INSURANCE emergency farm labor program. 9 p., processed. 1944. 1.941 F6In72
- 22357 LAMB feeding situation - December 1, 1943. 1 p., processed. 1943. 1.9 Ec742Lam
- 22358 MERCHANTABLE potato stocks as of March 1, 1944, with comparisons. 2 p., processed. 1944. 1.941 S8P85
- 22359 PETERSON, A. G., and HALE, R. F. Index numbers of prices received by farmers, 1910-43. 36 p., processed. 1944. 1.9 Ec752Inn
- 22360 PRUGH, A. E., and PEARCE, R. N. 1943 annual unload summary [of fruits and vegetables], Los Angeles. 23 p., processed. Los Angeles, n. d. 1.9 Ec741Cu  
California Department of Agriculture cooperating.



- 22361 PURPOSE of the April survey of farms and farm workers. 5 p., processed. 1944. 1.941 R3P97
- 22362 SEED reports for calendar year 1943. 75 Nos., processed. 1943. 1.9 Ec712C
- 22363 WILSON, J. L., and HELTEMES, C. J. Farm production, disposition, and income from milk, 1940-43 and miscellaneous dairy statistics. 42 p., processed. 1944. 1.942 D22F22
- Includes statistics of manufactured dairy products.
- 22364 WINTER wheat and rye: December 1, 1943. 4 p., processed. 1943. 1.941 S8W56
- Acreage seeded, condition of crops, and production of winter wheat by States.

## Periodicals

- 22365 AGRICULTURAL prices; prices received and paid by farmers, and parity prices. Monthly. Processed. 1.942 A8M58
- 22366 THE AGRICULTURAL situation; a brief summary of economic conditions. Monthly. 1 Ec7Ag
- 22367 CHECK list of printed and processed publications. Monthly. Processed. 1.941 E3C41
- 22368 COMMERCIAL truck crops; acreage and indicated production. Monthly. Processed. 1.941 H8V523
- 22369 COMMERCIAL truck crops; truck crop news. Semimonthly. Processed. 1.9 Ec71We
- Condition of crop by kind.
- 22370 CONDITION of crops...with comparisons; commercial truck crops for shipment. Monthly. Processed. 1.941 H8V52
- 22371 THE COTTON situation. Monthly. Processed. 1.9 Ec752F
- 22372 CREAMERY butter and cheese production estimates. Monthly. Processed. 1.9 Ec724Mo
- Released at Chicago.
- 22373 CROP production. Monthly. Processed. 1.9 St2Cb
- 22374 THE DAIRY situation. Monthly. Processed. 1.9 Ec7Ds
- 22375 THE DEMAND and price situation. Monthly. Processed. 1.9 Ec752Pa
- 22376 EVAPORATED, condensed, and dried milk report. Monthly. Processed. 1.9 M34MeV
- 22377 THE FARM income situation. Monthly. Processed. 1.941 F8F22
- 22378 FARM labor. Monthly. Processed. 1.9 Ec71Far
- 22379 THE FATS and oils situation. Monthly. Processed. 1.9 Ec752F
- 22380 THE FEED situation. Monthly. Processed. 1.941 S8F32
- 22381 FLUID milk prices in city markets. Monthly. Processed. 1.9 M34M
- 22382 THE FRUIT situation. [4 times yearly] Processed. 1.9 Ec752F
- 22383 HATCHERY production. Monthly. Processed. 1.9 Ec724Ha
- 22384 LAND policy review. Quarterly. 1 Ec7La
- 22385 LIQUID and dried egg production. Monthly. Processed. 1.941 H8Eg3
- 22386 THE LIVESTOCK and wool situation. Monthly. Processed. 1.941 S8L752
- 22387 THE MARKETING and transportation situation. Monthly. Processed. 1.941 M8M34
- 22388 THE NATIONAL food situation. Monthly. Processed. 1.941 S2F73
- 22389 PEANUT stocks and processing report...with comparisons. Monthly. Processed. 1.941 M8P31
- 22390 THE POULTRY and egg situation. Monthly. Processed. 1.9 Ec752F

- 22391 STATISTICAL summary. Monthly. Processed. 1.941 A22St2
- 22392 STOCKS of evaporated and condensed milk held by wholesale grocers. Quarterly. Processed. 1.9 Ec724S
- 22393 STOCKS of wheat in interior mills, elevators. Quarterly. Processed. 1.9 Ec71Whe
- 22394 THE TOBACCO situation. [4 times yearly] Processed. 1.9 Ec752F
- 22395 TRUCK crops for commercial processing. Monthly [Apr.-July, semimonthly]. Processed. 1.941 H8V522
- Acreage, intended acreage, with comparisons.
- 22396 THE VEGETABLE situation. Quarterly. Processed. 1.9 Ec752F
- 22397 WEEKLY American cheese production. Processed. 1.941 S8C41
- Released at Chicago.
- 22398 WEEKLY American cheese warehouse statistics for the United States. Processed. 1.9 M34Mc
- Released at Chicago.
- 22399 WEEKLY creamery butter production. Processed. 1.942 D8W41
- Released at Chicago.
- 22400 THE WHEAT situation. Bimonthly [July-Aug., monthly] Processed. 1.9 Ec752F

## AGRICULTURAL RESEARCH ADMINISTRATION

- 22401 BELTSVILLE Research Center; scope of its work and how it serves agriculture, industry, and public welfare. 42 p., processed. 1944. 1.98 B41
- 22402 CURRENT activities and selected examples of recent accomplishments by appropriation items. 109 p., processed. 1944. 1.98 C93
- Presented for each of the constituent agencies.

Agricultural and Industrial Chemistry, Bureau of

- 22403 INFORMATION sheet on cost accounting for vegetable dehydration plants. U. S. Bur. Agr. and Indus. Chem. West. Regional Res. Lab. AIC-39, 8 p., processed. Albany, Calif., 1944. 1.932 A2Ag82

## Periodicals

- 22404 MONTHLY survey of naval stores stocks. Processed. New Orleans. 1.932 N2M76

Animal Industry, Bureau of

- 22405 BLACK, W. H. Increasing beef supply in phosphorus deficient range areas. 2 p., processed. 1944. 1.972 A3B56
- Recorded for radio transcription in South Africa, Jan. 19, 1944.
- 22406 DIRECTORY of the Bureau of Animal Industry, corrected to July 1, 1943. 19 p. 1943. 1 An5M
- Bureau Directory Notices Nos. 1-6 give changes that have occurred since publication of the directory.
- 22407 REGIONAL Swine Breeding Laboratory; record of proceedings of Conference of Collaborators, Ames, Iowa, October 7 and 8, 1943. 56 p., processed. 1943. 1.972 A3R24
- "This report of research projects not yet completed is intended for the use of administrative leaders and workers...and not for general distribution."

## Periodicals

- 22408 ACTIVITIES of licensed establishments supervised by the Virus-Serum Control Division. Monthly. Processed. 1.9 An552N
- Anti-hog-cholera serum and virus; Inspections and tests in the production of hog-cholera virus and serum under licenses.
- 22409 SERVICE and regulatory announcements. Monthly. 1 An52An
- Issued for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau.



- 22410 STATEMENT of indemnity claims and averages in cooperative Bang's disease [Brucellosis] work. Monthly. Processed. 1.9 An56St  
Statistics by States.
- 22411 SUMMARY of Brucellosis (Bang's disease) control program conducted by Bureau of Animal Industry in cooperation with the various States, July 1, 1934 to [current period]. Monthly. Processed. 1.9 An56Su
- 22412 SUMMARY of Brucellosis (Bang's disease) work in cooperation with the various States. Monthly. Processed. 1.9 An56Su
- 22413 SUMMARY of tuberculosis eradication [in cattle] in cooperation with the various States. Monthly. Processed. 1.9 An533Su  
Statistics by States.

#### Dairy Industry, Bureau of

- 22414 OUTLINE of dairy cattle breeding projects. Rev., 8 p., processed. Apr. 3, 1944. (BDIM-Inf-8) 1.973 D4B34  
Summary of investigations with the herd at the Beltsville Research Center, Beltsville, Md.

#### Periodicals

- 22415 DAIRY herd-improvement association letter. Monthly. Processed. 1.9 D145C

#### Entomology and Plant Quarantine, Bureau of

- 22416 BARNES, D. F. Notes on the life history and other factors affecting control of the grape leaf folder [Desmia funeralis]. U. S. Bur. Ent. and Plant Quar. E-616, 7 p., processed. 1944. 1.9 En83

- 22417 JAPANESE BEETLE [Popillia japonica] quarantine. B. E. P. Q. --Q. 48, 12 p., processed. 1944. 1 F31

- Revision of quarantine and regulations, effective Mar. 30, 1944.

- 22418 JAPANESE beetle [Popillia japonica] quarantine regulations modified. B. E. P. Q. 533, 1 p., processed. 1944. 1.9 F73  
Effective Mar. 30, 1944.

- 22419 MEXICAN fruitfly [Anastrepha ludens] regulations revised - sterilization of grapefruit required. B. E. P. Q. 534, 1 p., processed. 1944. 1.9 F73

Effective Apr. 3, 1944.

- 22420 ROHWER, S. A. Emergency insect surveys and control facilities. 7 p., processed. 1944. 1.9 En86Ro

- Summary of remarks made at conference of District Leaders of Emergency Insect Surveys, Washington, D. C., Feb. 16-19, 1944.

Includes information on supplies of insecticides.

- 22421 SUMMARY of insect conditions in 1943. 11 p., processed. 1944. 1.967 A2So6

- 22422 WHITE-FRINGED beetle [Pantomorus (Graphognathus)] administrative instructions modified; treatments authorized. B. E. P. Q. 503, 5th rev., 6 p., processed. 1944. 1.9 F73

Soil fumigation with methyl bromide.

#### Periodicals

- 22423 REVIEW of United States patents relating to pest control, by R. C. Roark. Monthly. Processed. 1.9 C4926Re

- 22424 SERVICE and regulatory announcements. Quarterly. 1 F31S  
Quarantine and other official announcements.

#### Experiment Stations, Office of

#### Periodicals

- 22425 EXPERIMENT station record. Monthly. 1 Ex6R

#### Human Nutrition

#### and Home Economics, Bureau of

- 22426 JETER, H. R. Post-war objectives of farm family living. 4 p., processed. 1944. 1.982 E2J51  
Address at Federal Extension Service Annual Conference, Jan. 7, 1944.
- 22427 ONE DISH meals. 8 p. folder, processed. 1944. 1.982 F2On2  
Includes recipes.
- 22428 PENNOCK, J. L., and ANGLE, G. M. What families spend for medical care. 18 p., processed. 1944. 1.982 E2W55

#### Periodicals

- 22429 WARTIME family living. Monthly. Processed. 1.982 E2W26

Distribution limited to personnel connected with the Department of Agriculture.

#### Plant Industry, Soils, and Agricultural Engineering, Bureau of

- 22430 HEIN, M. A. Seed production of Bermuda, Dallis, Bahia, and carpet grass seed. 2 p., processed. n. d. 1.965 F2Sc32
- 22431 HOLLOWELL, E. A. Seed production of hop and cluster clovers. 2 p., processed. n. d. 1.965 F2Sc33

#### Periodicals

- 22432 THE PLANT disease reporter. Semimonthly. Processed. 1.9 P69P

Several supplements dealing with specific subjects are issued each year.

#### FARM CREDIT ADMINISTRATION

- 22433 FARM Credit Administration; number and amount of loans made from May 1, 1933 through December 31, 1943, and loans outstanding December 31, 1943. 9 p., processed. Kansas City, Mo., 1943. 166.2 M76  
Semiannual report on loans and discounts.

- 22434 HULBERT, L. S. Summary of cases relating to farmers' cooperative associations. U. S. Farm Credit Admin. Sum. 21, 22 p., processed. Mar. 1944. 1.955 C2Su7

- 22435 KNAPP, J. G. Producer-marketing cooperatives in the United States. 12 p., processed. 1944. 1.955 C2K72

Address before Conference on International Cooperative Reconstruction, Jan. 19, Washington, D. C.

- 22436 RICKEY, L. F. War adjustments of feed cooperatives in the East and Middle West. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. W. C. 13, 39 p., processed. Kansas City, Mo., 1943. 1.955 C2W19

- 22437 SHEEP ranches, 12 western States, 1940. 1941 and 1942. 6 p., processed. 1943. 1.955 E2Sh3

Operating record of 330 ranches.

- 22438 WANSTALL, GRACE, and ELSWORTH, R. H. Statistics of farmers' marketing and purchasing cooperatives, 1942-43 marketing season. U. S. Farm Credit Admin. Misc. Rpt. 70, 22 p., processed. 1944. 166.3 M68

#### Periodicals

- 22439 NEWS for farmer cooperatives. Monthly. 166.2 N47



## FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

## Periodicals

- 22440 AGRICULTURE in the Americas. Monthly.  
1 F752A
- 22441 FOREIGN agriculture; a review of foreign farm policy, production, and trade. Monthly. Processed. 1.9 Ec7For
- 22442 FOREIGN crops and markets. Monthly. Processed. 1.9 St2F
- 22443 LATIN AMERICAN news digest. Weekly. Processed. 1.943 L34

## FOREST SERVICE

- 22444 ANWEISUNGER für walдарбейтер; walдарбейtersdrücke. 6 p., processed. 1943. (PP Training. Prisoners of War) 1.962 A2An9  
Instructions for forest workers and forest workers' terms in German and English. Illustrated.
- 22445 GERMAN-AMERICAN dictionary of woods terms for woods workers. 8 p., processed. n. d. (PP Training. Prisoners of War) 1.962 A2G312
- 22446 HELP prevent forest and range fires with ads, drop-ins, radio, direct-mail, posters. 4 p., processed. n. d. 1.962 F1H36  
War Advertising Council and the Office of War Information cooperating.
- 22447 ITALIAN-AMERICAN dictionary of woods terms for woods workers. 8 p., processed. n. d. (PP Training. Prisoners of War) 1.962 A2It1
- 22448 KAUFERT, F. H., and BLEW, J. O. Experiments with preservatives for soybean glue and soybean-glued plywood. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1447, 14 p. 1944. 1.9 F761R
- 22449 LAKE STATES Forest Experiment Station. Technical notes. 9 Nos. 1 p. each, processed. University Farm, St. Paul, Minn., 1944. 1.9 F7626T  
No. 215. Overrun of lumber from aspen bolts; 216. A new trend in small sawmill operation; 217. Disking reduces slash fire hazard in the jack pine type; 218. Disking saves the topsoil in forest planting; 219. Northern hardwoods can be cut selectively at short intervals; 220. Additional volume of spruce pulpwood gained by utilizing to a 1 1/2-inch top; 221. Elimination of seasonal variation in lumber production - a hopeful trend; 222. Does diameter growth response hold above D. B. H.; 223. Gasoline requirements of small sawmills.
- 22450 LUMBER prices, calendar year 1943. Compiled from data furnished by The Southern Hardwood Producers, Inc. 21 p., processed. 1944. 1.962 F4L974A  
Available only through the Southern Hardwood Producers, Inc., Memphis, Tenn.
- 22451 MCNAUGHTON, G. C., and VAN KLEECK, ARTHUR. Fire-test methods used in research at the Forest Products Laboratory. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1443, 27 p. 1944. 1.9 F761R
- 22452 MATERIAL of interest to teachers. Rev., 7 p., processed. 1944. 1.9 F76Mt  
Includes publications, maps, posters, charts, slides, and motion pictures.
- 22453 MATHER, D. W., GENSCHE, R. H., and BARTON, E. A. Report on the snowshoe hare repellent and poison studies conducted on the Nicolet National Forest in 1941 and 1942. 36 p., processed. n. d. 1.962 W2R29  
U. S. Fish & Wildlife Service and Wisconsin Conservation Department cooperating.
- 22454 NOTEBOOK for forest fire wardens. 24 p., processed. Philadelphia, 1944. 1.9621 R7N84  
Forest fire control.
- 22455 REPORT of personnel officers conference, Washington, D. C., December 6-11, 1943. 39 p., processed. 1943. 1.962 A2R293

22456 [SAFETY posters for the use of Prisoners of War in logging, pulpwood, and lumber industries.] 5 Nos. n. d. 1.962 A2Sal2 [Nos. 1-5]

22457 THE USE of Prisoners of War in logging, pulpwood, and lumber industries. 1 v., processed. 1944. 1.962 A2Us22

Contents: War Department Prisoner-of-War Circular No. 1, dated Jan. 1, 1944; List of Prisoner-of-War Camps; Prisoner-of-War Training Section of T. P. W. P. [Timber Production War Project] handbook; Instructions for forest workers [German, Italian translations]; Dictionaries [German-American; Italian-American] of woods terms for woods workers' Safety posters

22458 WATTS, L. F. Federal participation in measures for better forest practices. 6 p., processed. 1944. 1.962 A2W34

Address at Maryland Conservation Forum, Apr. 12.

22459 WATTS, L. F. Some Federal functions in wildlife and forest management. 6 p., processed. 1944. 1.962 A2W34

Address at Ninth North American Wildlife Conference, Chicago, Ill., Apr. 24.

## Periodicals

22460 THE CARIBBEAN forester. Quarterly. Processed. Rio Piedras, Puerto Rico, Tropical Forest Expt. Sta. 1.9622 T2C23

22461 CHANGES in Federal regulations. [Irregular] Processed. 1.962 A2H19A

New regulations and changes of amendments to be noted in the Timber Production War Project Handbook.

## GRADUATE SCHOOL

## Periodicals

22462 GRADUATE school news. [Irregular] Processed. 1 Ag854E

For the information of staff, faculty, general administration board, and departmental committees of the Graduate School.

## INFORMATION, OFFICE OF

22463 FOOD information series. 7 Nos., processed. 1944. 1.914 A5F733

No. 84-c. Last minute drive to increase soybean acreage through press, radio and direct contact. 2 p. Apr. 1.

No. 84-d. Activities of WFA field personnel with regards to gasoline rationing and selective-service deferment. 3 p. Mar. 31.

No. 84-e. Farm auctions and price control. 3 p. Apr. 6.

No. 85. Postwar opportunities [for veterans and industrial workers] to farm (fact sheet and discussion outline). 3 p. Apr. 13.

No. 86. Foreign shipments of farm machinery. 4 p. Apr. 21.

No. 87. Corn for industry. (On need for more corn in war industries; how corn fights.) 4 p. Apr. 20.

No. 88. Farms for security [in the post-war period]. 2 p. Apr. 24.

## Periodicals

22464 AGRICULTURE in wartime. Weekly. Processed. 1.914 A5L56

Information to farm editors from DeW. G. Wing.

22465 [DIRECTIONS] to radio farm directors, by W. L. Xadderly. Weekly. Processed. 1.914 R5L56

22466 FOOD information calendar. Weekly. Processed. 1.914 A5F732

22467 WAR LETTER for agriculture. Weekly. Processed. 1.914 A2Ag8

Summarized information on changes in prices and price regulations, transportation, rationing, farm supplies and equipment.



22468 WEEKLY news service. 4 Nos. 1 p. each, processed. n. d. 1.9 In31We  
Exclusive to Extension Editors.

Contents: Make war bond purchases a part of farm program; More ration stamps for meat; Stamps for buying pork on the farm; Tobacco growers can stop blue-mold losses.

## LIBRARY

22469 EDWARDS, E. E. Selected references on Thomas Jefferson and his contributions to agriculture. U. S. D. A. Libr. List 8, 7 p., processed. 1944. 1.916 L612

22470 PUBLICATIONS of interest to Soil Conservation Service personnel. 8 p., processed. Milwaukee, Wis., 1944. 1.916 M64P

Books and periodicals on file in the Milwaukee Branch Library.

## Periodicals

22471 ACCESSIONS to the library [Madison sub-branch, U. S. Dept. of Agriculture Library, Forest Products Laboratory, Madison, Wis.]. Weekly. Processed. Madison. 1.9 F761A

"For official use only."

22472 BIBLIOGRAPHY of agriculture. Monthly. Processed. 1.916 B471

22473 LIBRARY newsletter [Branch libraries]. Monthly. Processed.

Issued at Albuquerque, Asheville, Atlanta, Fort Worth, Kansas City, Mo., Lincoln, Milwaukee, Philadelphia, Portland, Oreg.

## RURAL ELECTRIFICATION ADMINISTRATION

## Periodicals

22474 ANNOUNCEMENT [of loan allotments]. [Irregular] Processed. St. Louis. Mo. 173.2 R88P

22475 THE REA lineman. Monthly. Processed. St. Louis, Mo. 1.933 R882

Published in the interest of safety for employees of REA systems.

22476 RURAL electrification news. Monthly. 173.2 R88Ru

## SECRETARY, OFFICE OF

22477 WICKARD, C. R. Agriculture's reserve troops. 5 p., processed. 1944. 1.91 A2W63  
Address, Apr. 11, on the urgent need for Victory gardens.

22478 WICKARD, C. R. Conservation: a sound basis for future greatness. 6 p., processed. 1944. 1.91 A2W63

Address on soil and forest conservation, Apr. 25.

22479 WICKARD, C. R. Conservation: No. 1 post-war job. 6 p., processed. 1944. 1.91 A2W63  
Remarks, Apr. 17, on soil conservation.

22480 WICKARD, C. R. Further signs of mounting land boom. 2 p., processed. 1944. 1.91 A2W63  
Radio address, Mar. 27.

22481 WICKARD, C. R. Model Victory garden on the Boston Common. 2 p., processed. 1944. 1.91 A2W63

Radio address, Apr. 11.

22482 WICKARD, C. R. Thomas Jefferson — founder of modern American agriculture. 3 p., processed. 1944. 1.91 A2W63

Radio address, Apr. 13.

Budget and Finance, Office of

## Periodicals

22483 DIGEST of proceedings of Congress on interest to the Department of Agriculture. Daily. Processed. 1.9 Ag872Dig

For staff of the Department only.

Personnel, Office of

22484 HANDBOOK of U. S. D. A. club of Columbus, Ohio. 44 p., processed. 1943. 1.917 A2D631

22485 USDA CLUBS, Memphis District; directory of personnel, September 1, 1943. 13 p., processed. n. d. 1.917 A2D631

## Periodicals

22486 EMPLOYEES' news bulletin. Semimonthly. Processed. 1.917 A2Em7

## SOLICITOR, OFFICE OF

## Periodicals

22487 OPINIONS of the Solicitor...Index-Digest. [Irregular] Processed. 1.9 SO450

## WAR FOOD ADMINISTRATION

22488 A BRIEF review of food and nutrition in five countries. 28 p. 1944. (NFC-11) 1 F733W

Five lectures by delegates to the United Nations Food Conference, delivered in the auditorium of the United States Department of Agriculture, June 7-18, 1943. Sponsored by the Interdepartmental Nutrition Coordinating Committee and Food Distribution Administration.

Contents: The economics of Mexican nutrition, by F. DeP. Miranda, p. 1-5; Nutritional problems of Egypt, by Ali Hassan, p. 6-10; Influence of the Belgian agricultural pattern upon the nutrition habits of the country, by E. J. Bigwood, p. 11-17; Dietary habits of the Chinese, by J. H. Liu, p. 18-22; Public health and nutrition in India, by W. R. Aykroyd, p. 23-28.

22489 FARM labor needs in 1944; U. S. Crop Corps workers needed to supplement regular farm labor force in producing food for freedom. 19 p., processed. 1944. 1.9424 L2F22

Extension Service, Office of Labor, and the Bureau of Agricultural Economics cooperating.

22490 FARM machinery and equipment (domestic use); number of farm machines authorized under the 1945 L-257 program compared with production in 1940 and the 1944 L-257 program. 19 p., processed. 1944. 1.9424 A2F22C

22491 INFORMATION kit; 8-point milk production program for 1944. 8 Nos. and 13 plates in portfolio. Processed. n. d. 1.9424 A2In3

State Extension Services and the Dairy Industry Committee cooperating.

22492 JONES, MARVIN. Grow more in '44. 2 p., processed. 1944. 1.9424 A2J72  
Radio talk, Apr. 11.

22493 JONES, MARVIN. Grow more in '44. 4 p., processed. 1944. 1.9424 A2J72  
From the desk of Marvin Jones.

22494 JONES, MARVIN. A message to farm youth. 2 p., processed. 1944. 1.9424 A2J72

Review of 4-H club accomplishments and a message from the President of the United States, in a radio address on a special 4-H club program, Mar. 4.

22495 LEARNING about farm jobs from pictures. 13 p., processed. n. d. 1.9424 L2L47



22496 SALES promotion program; No-Point, Low-Point Foods. Food Fights for Freedom Program, spring 1944. 16 p., processed. 1944. 1.9424 A2F732

Outlined with pictures.

Office of War Information cooperating. Sponsored by the Office of Price Administration.

22497 STALLINGS, J. H. Returns from the use of fertilizer on pasture and hay crops. 3 p., processed. 1944. 1.9424 A2R31

22498 STATEMENT of program objectives, requirements of controlled materials, third quarter, 1944. 19 p., processed. n. d. 1.9424 A8St2

#### Periodicals

22499 CONSUMERS' guide. Monthly. 1.94 Ad422C

#### Agricultural Adjustment Agency

22500 CONTOUR stripcropping under the 1942 Agricultural Conservation Program. Map. 1944.

1.42 Ad4Cos

22501 FIELD stripcropping under the 1942 Agricultural Conservation Program. Map. 1944.

1.42 Ad4Str

22502 GREEN manure and cover crop acreage, 1936-1942 Agricultural Conservation Programs. 2 p., processed. 1944. 1.42 Ad4Gr

22503 1944 AGRICULTURAL Conservation Program bulletin. 10 p. 1944. (ACP-1944) 1.42 Ad4Acb

Provisions for participation in the payments made under this program.

22504 OIL AND meal yields per acre from cottonseed, peanuts and soybeans; a study of farms, counties and areas producing cotton and peanuts or cotton and soybeans, Southern Region, AAA, 1942. 91 p., processed. 1943. 1.42 So801

#### Commodity Credit Corporation

22505 1944 WOOL purchase program; schedule of values for domestic shorn wool (greasy, scoured, carbonized). 7 p., processed. n. d. 1.957 W88

#### Periodicals

22506 CCC LOANS on 1943-crop cotton. Weekly. Processed. 1.957 L782

Loans by States; repayments; outstanding loans.

22507 CCC WHEAT loans. Weekly. Processed. 1.957 W56

22508 COMMODITY Credit Corporation corn loans [by States]. [Irregular.] Processed. 1.957 C81

#### Distribution, Office of

22509 ANNOUNCEMENTS of intentions to purchase or sell certain commodities through the Federal Surplus Commodities Corporation. 8 Nos., processed. 1944. 1.9422 A8An7

FSC-1810, amend. 3. Supersedes amendments 1 and 2. Purchase of fresh shell eggs. 3 p. Mar. 27; Amend. 3A (Texas), provides terms and conditions applicable to Texas. 1 p. Mar. 27.

FSC-1879. Grapefruit pomace. 2 p. Mar. 30.

The words "Federal Surplus Commodities Corporation" or "FSCC" are changed to read "Commodity Credit Corporation" or "CCC" in the following amendments:

FSC-1519, amend. 2. Purchase of dried albumen. Apr. 17.

FSC-1808, sup. 2. Concentrated citrus juices. Apr. 10.

FSC-1810, amend. 5. Purchase of fresh shell eggs. Apr. 17.

FSC-1833, amend. 5. Purchase of dried whole eggs. Apr. 17.

FSC-1879, sup. 1. Grapefruit pomace. Apr. 10.

22510 ANNUAL unloads of fruits and vegetables, New Orleans, 1943. 44 p., processed. New Orleans, 1944. 1.9 Ec741Cu

22511 COMMUNITY food preservation centers, canning phase. 11 p., processed. 1944.

1.9422 Civ2C73

22512 DIETZ, WALTER. Current and future supply of [bakery] equipment. 6 p., processed. 1944. 1.9422 G3D56

Address, meeting of American Society of Bakery Engineers, Chicago, Mar. 6-9.

22513 DIRECTORY of the Meat Inspection Division. Corrected to September 1, 1943. 35 p. 1943. 1 F733D

Also Meat Inspection Division Directory Notices - issued monthly - show changes that have occurred.

22514 FACT sheet on corn for war industries. 2 p., processed. 1944. 1.9422 G6C81

22515 FACT sheet on shell eggs. 2 p., processed. Apr. 1944. 1.9422 Po3F11

Abundant supplies call for a greater than normal use.

22516 FOOD distribution order...Questions and answers. 6 Nos., processed. 1944. 1 F733F

Fatty acids (FDO 87, amend. 1). 2 p. Jan.

Food storage facilities; restrictions on use of refrigerated space (FDO 70, amend. 2, and DFDO 70-1, amend. 2). 2 p. Mar.

Oil of peppermint (FDO 81, amend. 1). 3 p. Jan. 1.

Spices (FDO 19, amend. 2 and 19.2, amend. 1). 4 p. Apr.

Statement, questions and answers regarding the Cheddar cheese subsidy program and FDO 15, amendment 2. 5 p. Feb.

Tea (FDO 18, as amended). 2 p. Mar.

22517 [FOOD distribution order]; supplemental information - meat order FDO 75. 4 p., processed. n. d. 1 F733F

22518 FOOD Fights for Freedom. Procedure for the development of the Clean Plate Club Campaign for the Midwest Region. 16 p., processed. Chicago, 1943. 1.9422 N2F732

Also Procedure...for the Great Lakes Region. 18 p. 1.9422 N2F731

22519 HIGHLIGHTS of population shifts. 46 p., processed. 1944. 1.9422 A3H53

Based on Ration Book number 4 registration. Gains and losses by States, counties, and trading areas, with information pertinent to the solution of problems of food distribution in the United States.

22520 \*KEFAUVER, N. M. Cereals - whole, processed, enriched. 59 p., typewritten. 1943. 1.9422 N2C33

22521 \*KEFAUVER, N. M. Vitamin enrichment and other fortification. 25 p., typewritten. 1944. 1.9422 Civ2V83

22522 KITCHEN, C. W. Distribution of fresh fruits and vegetables in wartime. 8 p., processed. 1944. 1.9422 A2K64

Address, annual meeting, United Fresh Fruit and Vegetable Association, Chicago, Jan. 19.

22523 KITCHEN, C. W. Food processing activities of Office of Distribution. 6 p., processed. 1944. 1.9422 A2K64

Address, annual conference, Food Processors, Chicago, Feb. 13.

22524 METHODS reported by colleges to reduce food waste. 4 p., processed. 1944. 1.9422 N2M56

22525 MEYER, E. A. Fruit and vegetable programs and the war. 9 p., processed. 1944. 1.9422 In2M57

Address before annual meeting of the Cooperative Fresh Fruit and Vegetable Association in New York, Apr. 21.



22526 PURCHASE report of farm products for shipment under Lend-Lease and territorial food programs, and other special programs. 28 Nos., processed. 1944. 1.9422 A8In3

Lists commodities, grade, prices, and vendors.

Dairy and poultry products. 7 Nos., IPR-428, 430-432, Sup. to 432, 434, 436.

Fish and fish products. 3 Nos., IPR-429, 431, 434.

Fruits, vegetables & products. 5 Nos., IPR-427, 430-433.

Grains, cereals, feeds, and seeds. 5 Nos., IPR-428-429, 431-432, 435.

Meat and meat products. 3 Nos., IPR-428-429, 434.

Miscellaneous foodstuffs. 3 Nos., IPR-427, 430-431.

Rice. 2 Nos., IPR-427, 430.

22527 QUANTITY methods for serving potatoes. 5 p., processed. 1944. 1.9422 V6P84  
Includes recipes.

22528 REPORT of operations of the Caribbean emergency program, July 1942 to December 1943. 29 p., processed. 1944. 1.9422 N2R293

Maintenance of the supply line of essential commodities - food, feed, seed, fertilizer, agricultural production supplies, etc. - to Puerto Rico, the Virgin Islands, and other Caribbean areas.

22529 SAMPLE material for broadcasts. 11 p., processed. 1944. 1.9422 N2Sa4

Scripts which can be adapted to specific food conservation projects.

22530 [SUGAR determination.] 10 Nos. 1944. 1.94 Su3Sd

S. D. 153, rev. 2. Determination of proportionate shares [raw value], for sugarcane farms in Puerto Rico (revised). 1 p. Jan. 22.

S. D. 179. Determination of farming practices to be carried out in connection with the production of sugarcane during the crop year 1944 for the Territory of Hawaii. 1 p. Jan. 20.

S. D. 180. Determination of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of sugarcane in Hawaii during the calendar year 1944. 1 p. Jan. 21.

S. D. 181. Determination of proportionate shares [area and payments], for sugarcane farms in the mainland cane sugar area for the 1944 crop. 1 p. Jan. 22.

S. D. 182. Determination of proportionate shares [raw value], for sugarcane farms in the Territory of Hawaii for the 1944 crop. 1 p. Jan. 22.

S. D. 183. Determination of proportionate shares [raw value], for sugarcane farms in the Virgin Islands for the 1944 crop. 1 p. Jan. 22.

S. D. 185. Determination of fair and reasonable wage rates for persons employed in the production, cultivation or harvesting of sugarcane in the Virgin Islands during the calendar year 1944. 1 p. Mar. 2.

S. D. 187. Determination of farming practices to be carried out in connection with the production of the 1944 crop of sugarcane in the mainland cane sugar area. 2 p. Mar. 13.

S. D. 188. Determination of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of the 1944 crop of sugar beets. 1 p. Mar. 16.

S. D. 189. Determination of fair and reasonable prices for the 1944 crop of Virgin Islands sugarcane. 1 p. Mar. 16.

22531 U. S. STANDARDS for cabbage for processing (effective January 17, 1944). 3 p., processed. 1943. 1.9422 A32C11

Supersedes U. S. Standards for Sauer Kraut Manufacture, effective Feb. 11, 1933.

22532 U. S. STANDARDS for carrots for processing (effective January 17, 1944). 4 p., processed. 1943. 1.9422 A32C23

22533 U. S. STANDARDS for horseradish roots. 6 p., processed. 1944. 1.9422 V32H78

A reissue of standards effective July 27, 1936, issued by the Bureau of Agricultural Economics.

22534 U. S. STANDARDS for onions for processing (effective January 17, 1944). 4 p., processed. 1943. 1.9422 A50n4

22535 U. S. STANDARDS for spinach (1931). 2 p., processed. 1944. 1.9422 V32Sp4

A reissue of standards, effective Sept. 4, 1931, issued by the Bureau of Agricultural Economics.

22536 U. S. STANDARDS for table grapes. 7 p., processed. 1944. 1.9422 Fr32G762

A reissue of standards, effective July 20, 1939, issued by the Agricultural Marketing Service.

22537 A VICTORY Food Selection: cabbage, February 24 through March 4, 1944 - all States and the District of Columbia. 2 p., processed. Feb. 10, 1944. 1.942 F3V66

22538 WAR FOOD Administration achievement "A" award manual for food processors. 12 p., processed. 1944. 1.9422 P2W192

Outline for ceremonies to be conducted by the Office of Distribution, WFA in cooperation with War or Navy Department.

#### Periodicals

22539 ALFALFA meal: production 1943-44. Monthly. Processed. 1.9422 G8AL2

22540 ANIMALS slaughtered under Federal inspection by States. Monthly. Processed. Chicago and Cincinnati. 1.9 Ec713Aa1

22541 BARLEY and feed grain market review. Weekly. Processed. San Francisco. 1.9422 G8B24S  
California Department of Agriculture, Market News Service cooperating.

22542 BEAN [dry] market review. Weekly. Processed. San Francisco. 1.9422 V8B37S

Also issued at Los Angeles, California Department of Agriculture, Market News Service cooperating.

22543 BREWERS dried grains: production, 1943-44 with comparisons. Monthly. Processed. 1.9 Ec712Bre

22544 CARLOT unloads of fruits and vegetables. Monthly. Processed. 1.9 Ec741Um

Issued at various cities including Baltimore, Boston, Chicago, Cincinnati, Dallas, Denver, Fort Worth, Los Angeles, Louisville, Minneapolis, New Orleans, New York, Oklahoma City, Philadelphia, Pittsburgh, Portland, Oreg., St. Louis, St. Paul, San Francisco, Washington, D. C. Titles vary.

22545 CELERY report. Daily [seasonal]. Processed. Sanford, Fla. 1.9422 V8C33  
Federal-State Market News Service.

22546 CITHUS report. Daily [seasonal]. Processed. Lakeland, Fla. 1.9422 Fr8C49  
Federal-State Market News Service.

22547 COLD storage movement and prices...[of butter and eggs]. Monthly. Processed. Chicago. 1.9 Ec724Cs

22548 COLD storage report. Monthly. Processed. 1.9422 A8C67

22549 COMMERCIAL grain stocks reports. Weekly. Processed. 1.9 Ec742Cg

22550 COMMODITY futures: volume of trading, open contracts, and prices, selected agricultural commodities, principal markets. Monthly. Processed. 1.9422 A8C733

22551 CONTAINER notes. [Irregular.] Processed. 1.9422 A8C76



- 22552 COTTON; semi-monthly grade and staple report. Processed. Atlanta, Ga. 1.9 Ec733Cgg  
Issued also at Dallas, Tex. 1.9 Ec733Wt
- 22553 COTTON price statistics. Monthly. Processed. 1.9422 C4C82
- 22554 COTTON quality report for ginnings. Semi-monthly. Processed. 1.9 Ec733Cgg
- 22555 COTTON quotations - ten designated spot markets. Daily. Processed. Atlanta, Ga. 1.9 Ec733Ba
- 22556 COTTONSEED review [Southern Region]. Weekly. Processed. Atlanta, Ga. 1.9 Ec733Wcr  
Data relative to grades and prices, by county.
- 22557 COTTONSEED review [Southwest Region]. Weekly. Processed. Dallas, Tex. 1.9422 C8C82  
Data relative to grades and prices, by county.
- 22558 DAILY dairy [butter, Cheddar cheese] and poultry products [eggs, including frozen eggs, frozen poultry] report. Processed. Pittsburgh, Pa. 1.9422 D8D14  
Pennsylvania Department of Agriculture, Bureau of Markets cooperating.  
Prices; cold storage holdings; market situation.
- 22559 DAILY fruit and vegetable report. Processed. Chicago.  
Carlot shipments for U. S. 1.9422 Fr8D142  
[Prices on the wholesale market.] 1.9422 Fr8D143  
Terminal markets. 1.9422 Fr8D14
- 22560 DAILY live poultry market report. Processed. New York. 1.9422 Po8D14  
Federal-State Market News Service.
- 22561 DAILY livestock market report...Port City Stockyards receipts of salable livestock. Processed. Houston, Tex. 1.9422 L8P83
- 22562 DAILY livestock market report; stockyard receipts of salable livestock. Processed. 1.9 Ec742Da  
Issued at various cities including Chicago, Cincinnati, Houston, Indianapolis, Louisville, National Stock Yards, Ill., Oklahoma City, Peoria, Port City, Wichita. Titles vary slightly.
- 22563 DAILY market report (butter, cheese, eggs & poultry). Processed. 1.9 M34Da  
Issued at various cities including Boston, Chicago, New York, Philadelphia, San Francisco. Titles vary.  
Include prices, receipts, cold storage movement, and holdings.
- 22564 DAILY market report; dairy and poultry markets. Processed. Baltimore. 1.9422 D8D142  
Maryland State Department of Markets cooperating.
- 22565 DAILY market report (eggs and poultry). Processed. New Orleans. 1.9422 Po8D142
- 22566 DAILY report of meat trade conditions and wholesale prices - western dressed meats. Processed. 1.9 Ec742Dm  
Issued at Boston, Chicago, New York, and Philadelphia.
- 22567 DAILY report of meat trade conditions and wholesale quotations. Processed. New York. 1.9 Ec742Dm
- 22568 DAILY [seasonal] onion report. Processed. Corpus Christi, Tex. 1.9422 V8On4
- 22569 DAILY [seasonal] peach report. Processed. Anna, Ill. 1.9422 Fr8P31  
Federal-State Market News Service.
- 22570 DAILY [seasonal] strawberry report. Processed. Hammond, La. 1.9422 Fr8St8
- 22571 DAILY tobacco market price report. Processed.  
Type 12, Eastern North Carolina flue-cured. Issued at Wilson, N. C. 1.9 Ec714Dr  
Type 14, Georgia and Florida flue-cured. Issued at Valdosta, Ga. 1.9 Ec714Dd
- 22572 DAILY wool market report - press release. Processed. Boston. 1.9 Ec742Wod
- 22573 DISTILLERS dried grains: production 1943-44 with comparisons. Monthly. Processed. 1.9 Ec712Dis
- 22574 DRIVEN-IN receipts at public stockyards... (68 markets). Monthly. Processed. 1.9422 L8D83
- 22575 ENTRIES of sugar from offshore areas. Monthly. Processed. 1.94 Su3Se
- 22576 FEDERAL-STATE graded eggs - receipts and prices at Washington, D. C. Monthly. Processed. 1.9422 Po8F31
- 22577 FEDERAL-TERRITORIAL weekly market report. Processed. Honolulu, Hawaii. 1.9 Ec741We  
Hawaii University, Agricultural Extension Service cooperating.  
Prices to retailers of Island-grown fruits and vegetables.
- 22578 FEED market review. Weekly. Processed. Los Angeles. 1.9422 G8F32L  
Issued also at San Francisco. 1.9422 G8F32S  
California Department of Agriculture, Bureau of Market News cooperating.
- 22579 FEEDER and stocker report. Weekly. Processed. South St. Paul, Minn. 1.9 Ec742Sto  
Minnesota Department of Agriculture cooperating.
- 22580 FOOD trade letter. Weekly. Processed. 1.9422 A8F73
- 22581 FUTURES trading and open contracts in cotton. Daily. Processed. New York. 1.9 C73V
- 22582 HOP MARKET review. Weekly. Processed. San Francisco. 1.9422 A8H  
California Department of Agriculture, Market News Service cooperating.
- 22583 LICENSES issued under P. A. C. A. Weekly. Processed. 1.9 Ec741Ab
- 22584 LIVESTOCK market report. Weekly. Processed. 1.9 Ec742Da  
Issued at various cities including Fort Worth, Tex., National Stock Yards, Ill., Peoria, Ill., and Oklahoma City. Titles vary.
- 22585 LIVESTOCK market statistics. Weekly. Processed. Chicago. 1.9 Ec742L
- 22586 LIVESTOCK, meats and wool market reviews and statistics. Weekly. Processed. 1.9 Ec713Ma
- 22587 MARGARINE production. Monthly. Processed. 1.9422 D8M33
- 22588 MARKET digest. Daily. Processed. Chicago. 1.9422 ABM342  
Two issues - Great Lakes Region; Midwest Region.
- 22589 MARKETING activities. Monthly. Processed. 1.942 ABM34
- 22590 MEATS graded and contract deliveries of meats, meat products and by-products accepted and rejected. Monthly. Processed. 1.9422 M8M462
- 22591 MISCELLANEOUS fruit and vegetable report. Daily. Processed. 1.9 Ec741M1  
Issued at various markets including Atlanta, Baltimore, Boston, Chicago, New Orleans, Oklahoma City, Rochester, Pittsburgh, New York. Titles vary.
- 22592 MONTHLY cold storage report - total U. S. holdings. Processed. New York. 1.9422 D8M76  
Also issued at Chicago.
- 22593 MONTHLY domestic dairy markets review. Processed. 1.9 Ec724Do
- 22594 MONTHLY egg and poultry markets review. Processed. 1.9 Ec724Ep
- 22595 MONTHLY hop market review. Processed. Portland, Oreg. 1.9 Ec712Hop
- 22596 MONTHLY live poultry report. Processed. Chicago and New York. 1.9 Ec742ML



- 22597 MONTHLY livestock slaughter report. Processed. 1.9422 L8M7
- 22598 MONTHLY report of carlot movement of eggs from Pacific Coast States. Processed. San Francisco. 1.942 D8M78  
California Department of Agriculture, Market News Service cooperating.
- 22599 MONTHLY review of the Boston wool market. Processed. Boston. 1.9 Ec742Mrw
- 22600 NEW YORK [fruit and vegetable] market today. Daily. Processed. Philadelphia. 1.9422 Fr8N42  
Pennsylvania and New Jersey Departments of Agriculture, Bureau of Markets cooperating.
- 22601 NEW YORK weekly review of meat trade conditions. Processed. New York. 1.9 M34We
- 22602 NOTICES of judgment under the Insecticide Act. [Irregular] 1 In7N  
Relate to cases instituted in the United States District Courts.
- 22603 NUTRITION news letter. Monthly. Processed. 173.3 H34Nu  
Distribution restricted to Nutrition Committee Chairmen.
- 22604 "ON CALL" positions and transactions in spot cotton based on New York cotton futures reported by merchants in special account status. Weekly. Processed. 1.9 C73U
- 22605 ORIGIN of receipts [butter, cheese, eggs, dr. poultry]...by States. Monthly. Processed. 1.9 Ec742Or  
Issued at various cities including Baltimore, Boston, Chicago, New York, San Francisco. Titles vary.
- 22606 P. AND S. docket; a monthly report of action taken on cases arising under the Packers and Stockyards Act. Processed. 1.942 L8P12
- 22607 PHILADELPHIA fruit and vegetable market today. Daily. Processed. 1.9422 Fr8P53  
Pennsylvania and New Jersey Departments of Agriculture, Bureau of Markets cooperating.
- 22608 POTATO report; carlot shipments. Daily [during season]. Processed. 1.9422 V8P84N  
Issued at various cities including Hastings, Fla., New Orleans, New York, Philadelphia, Presque Isle, Maine, and Waupaca, Wis., with State Departments of Agriculture cooperating. Titles vary.
- 22609 RADIO round-up on food; a service for directors of women's radio programs. Weekly. Processed. 1.942 F3R11N  
Distributed from 5 regional offices - Atlanta, Chicago, Dallas, New York, and San Francisco.
- 22610 RECEIPTS and disposition of livestock at public stockyards...(67 markets). Monthly. Processed. 1.9422 L8R24
- 22611 REGIONAL weekly report [of the Cotton and Fiber Division, Southern Region]. Processed. Atlanta. 1.9422 C8R26  
Statistical information; statements on important developments and activities. Includes cotton classed; cottonseed grade certificates received.
- 22612 REPORT of agricultural commodities purchased...for Lend-lease, territorial emergency, Red Cross and other purposes. Monthly. Processed. 1.9422 A8R292
- 22613 RICE market review. Weekly. Processed. San Francisco. 1.9422 G8R36  
California Department of Agriculture, Market News Service cooperating.
- 22614 RICE, stocks and movement. Monthly. Processed. 1.9 Ec712R1  
Two issues - California mills; Southern mills.
- 22615 SEMI-MONTHLY honey report. Processed. 1.9 M34Ho
- 22616 SLAUGHTER of livestock under Federal inspection at 27 selected centers. Weekly. Processed. Chicago. 1.9422 L8SL1
- 22617 SOUTH ST. JOSEPH livestock market review. Weekly. Processed. South St. Joseph, Mo. 1.9 Ec742Wr
- 22618 STOCKER and feeder cattle and sheep received in several Corn Belt States. Monthly. Processed. Chicago. 1.9422 L8St6
- 22619 STOCKS of leaf tobacco owned by dealers and manufacturers. Quarterly. Processed. 1.9 Ec714
- 22620 SUMMARY of decisions by the War Food Administrator on complaints filed under the Perishable Agricultural Commodities Act. [Irregular] Processed. 1.9 Ec7Pesd
- 22621 TRUCK unloads of fruits and vegetables; total carlot unloads by commodities. Monthly. Processed. St. Louis. 1.9422 Fr8T76
- 22622 UNFINISHED cotton cloth prices, cotton prices, and mill margins. Monthly. Processed. 1.942 C8Un2
- 22623 UNITED STATES cold storage holdings. Monthly. Processed. Chicago. 1.9 M345C
- 22624 VEGETABLES. Daily [seasonal]. Processed. Plant City, Fla. 1.9422 V8V52  
Federal-State Market News Service.
- 22625 WARTIME food bulletin. Weekly. Processed. Fort Worth, Tex. 1.9422 Fr8W262
- 22626 WEEKLY alfalfa market review. Processed. 1.9422 G8AL2P  
Issued at Los Angeles and Portland, Ore.
- 22627 WEEKLY cotton linters review. Processed. 1.9 Ec733We  
Published as Weekly Review - American Cotton Linters, prior to Feb. 14, 1944.
- 22628 WEEKLY cotton market review. Processed. 1.9 Ec733Cm  
Issued at several cities including Atlanta and Dallas.
- 22629 WEEKLY dairy market review. Processed. Chicago. 1.9 M34Mb
- 22630 WEEKLY dairy market review. Processed. New York. 1.9422 D8W412
- 22631 WEEKLY dairy-poultry report. Processed. Cleveland. 1.9422 D8W41
- 22632 WEEKLY feed grain market review. Processed. 1.942 G8W41  
Issued at Kansas City, Mo., and Portland, Ore.
- 22633 WEEKLY feed market review. Processed. 1.9 Ec712Fm  
Also issued at various cities including Chicago, Kansas City, Mo., Los Angeles, Minneapolis, Portland, Ore., and San Francisco. Call number, Chicago issue: 1.9422 G8F32C
- 22634 WEEKLY food summary [in Virginia]. Processed. Richmond. 1.9422 A8W41
- 22635 WEEKLY grain and feed market review. Processed. Atlanta. 1.9 Ec712Gf
- 22636 WEEKLY grain market review. Processed. Chicago. 1.9 Ec72W  
Issued also at Minneapolis, and Portland, Ore.
- 22637 WEEKLY grain market review. Processed. Kansas City, Mo. 1.942 G8W41
- 22638 WEEKLY hay market review. Processed. Kansas City, Mo. 1.9 Ec712Al
- 22639 WEEKLY hop market review. Processed. Portland, Ore. 1.9 Ec712Hop
- 22640 WEEKLY live poultry report. Processed. Chicago. 1.9422 Po8W41
- 22641 WEEKLY peanut report. Processed. 1.9 Ec742P



22642 WEEKLY review of the Boston wool market. Processed. Boston. 1.9 Ec742We

Also issued at Chicago.

22643 WEEKLY rice market review. Processed. 1.9 Ec712R

22644 WEEKLY summary of carlot shipments [of fruits and vegetables]. Processed. 1.9 Ec742W

22645 WEEKLY summary of [food] purchases. Processed. 1.942 A8W41

22646 WEEKLY tobacco market news report. Processed. Louisville, Ky.

Type 23, Western District fire-cured. 1.9 Ec714Dm

Type 31, Burley. North Carolina, Tennessee, Virginia, and West Virginia Departments of Agriculture cooperating. 1.9 Ec714Tr

Type 35, One sucker. 1.9 Ec714We

Type 36, Green River. 1.9 Ec714Sh

22647 WEEKLY tobacco market news report. Processed. Raleigh, N. C.

Type 11(a), Old Belt flue-cured. 1.9 Ec714Wtm

Type 11(b), Middle Belt flue-cured. 1.9 Ec714Wto

Type 12, Eastern North Carolina flue-cured.

1.9 Ec714Df

22648 WEEKLY tobacco market news report - type 14, Georgia and Florida flue-cured. Processed. Valdosta, Ga. 1.9 Ec714Dd

22649 WEEKLY wheat market review. Processed. Kansas City, Mo. 1.942 G8W411

22650 WESTERN sheep and lamb contract report. Weekly. Processed. South St. Joseph, Mo. 1.9 Ec742Sp

22651 WHEAT market review. Weekly. Processed. San Francisco. 1.9422 G8W56

California Department of Agriculture, Market News Service cooperating.

#### Extension Service

22652 DEMONSTRATIONS; a teaching tool. 7 p., processed. n. d. 1.913 V2D39

22653 HOLMAN, A. T. Home-made equipment and labor-saving equipment for war food production; a partial list of publications and plans. 53 p., processed. n. d. 1.913 E5H75

22654 HOME management "send-for" list. 16 p., processed. Feb. 1944. 1.913 H3Se5

22655 JOIN us on the farm front; help produce and harvest food for freedom. 8 p., processed. 1944. 1.9 Ex892La

Lecture for slidefilm No. 645, prepared by Victory Farm Volunteers Division.

22656 LEAGANS, J. P. Suggestions for induction training of county extension workers. U. S. Ext. Serv. Ext. Serv. Cir. 417, 12 p., processed. 1944. 1.9 Ex892Esc

22657 [LETTER] to Extension plant pathologists, [by R. J. Haskell, on recent regional Victory garden conferences]. 6 p., processed. 1944. 1.913 P3L56

22658 RECOMMENDATIONS for the control of the European corn borer [*Pyrausta nubilalis*] in the Middle Atlantic States as formulated by a conference of Entomologists of these States and the Federal Department of Agriculture at Baltimore, Md., January 14, 1944. 2 p., processed. 1944. 1.913 C3C81

22659 A SELECTED reference list of Extension publications on farm and home financial planning. 3 p., processed. n. d. 1.913 A2Se4

#### Periodicals

22660 EXTENSION service review. Monthly.

1 Ex892Ex  
22661 SELECTED references pertaining to agriculture from the Federal Register. Semiweekly. Processed. 1.913 E2Su62

For State Extension Service workers.

22662 WARTIME extension work; summary of extension work, techniques, and results based on State reports. Weekly. Processed. 1.913 A2W26

#### Periodicals

##### Labor, Office of

22663 WEEKLY population report - farm labor supply centers. Processed. 1.95 W41  
Region VI. Covers California and Utah.

##### Soil Conservation Service

22664 BENNETT, H. H. Adjustment of agriculture to its environment. 9 p., processed. 1943. 1.96 Ad62

From the presidential address, 40th annual meeting, the Association of American Geographers, Sept. 1943.

22665 BONSTEEL, J. A., and PATTON, B. J. Physical land conditions in Schuyler County, New York. U. S. Soil Conserv. Serv. Physical Land Survey 31, 65 p. 1943. 1.6 So31

Land use; needs for erosion control and land management; physical features affecting soils and land use. Colored map in envelope.

22666 NEWS release. 15 Nos. 1 p. each, processed. 1943-44.

Kansas: Conservation practices bring peace of mind. Dec. 29; Contour furrowing boosts pasture output. Dec. 15; Contouring gives corn earlier start in spring. Dec. 8; Shelterbelt helps boost yields of wheat, sorghum. Dec. 22; Shelterbelt protects feed lot and pasture. Jan. 5. 1.9607 N47K

Montana: Crested wheatgrass good for production of pigs. Dec. 8; Stockwater dam boosts production of pasture. Dec. 29; Stockwater dugout boosts pasture use. Jan. 5; Stockwater supplies affect pasture's use. Dec. 15; Subsurface tilled corn shows increased growth. Dec. 22. 1.9607 N47M

Nebraska: Contouring boosts yield on adjacent lands also. Jan. 5; Corn yield boosted by contour farming. Dec. 29; Neighbors help others by contour farming. Dec. 15; Stubble-mulch corn yields a good crop. Dec. 22; Upper terrace shows where others should be. Dec. 8. 1.9607 N47N

22667 SNOW surveys and irrigation water forecasts. 5 Nos., processed. 1944. 1.96 R31Fsc

Colorado Agricultural Experiment Station cooperating.

Colorado River Drainage Basin, April 1. 8 p.

Missouri and Arkansas Drainage Basins, March 1.

9 p.; April 1. 11 p.

Rio Grande Drainage Basin, March 1; April 1. 3 p. each.

#### Periodicals

22668 SOIL conservation; official organ of the Soil Conservation Service. Monthly. 1.6 So38

22669 SOIL conservation districts; state of organization by States, approximate acreage, number of operating units and farms in organized districts. Monthly. Processed. 1.96 R27Sc



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
JUNE 1944

Includes State Agricultural Experiment Station publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

22670 CORLEY, T. E., and FOST, H. B. Power and labor requirements for the production of cotton, corn and peanuts. Ala. Agr. Expt. Sta. Dept. Mimeog. 4, 7 p. 1943. 100 AllD

22671 ISBELL, C. L. Storing and drying vegetables on the farm. Ala. Agr. Expt. Sta. Dept. Mimeog. 9, rev., 6 p. 1943. 100 AllD

22672 ISBELL, C. L. The vegetable garden - when, what, and how much to plant. Ala. Agr. Expt. Sta. Dept. Mimeog. 14, 2 p. 1943. 100 AllD

22673 WARE, L. M. Instructions for preparing a sweetpotato drying surface with road priming oil. Ala. Agr. Expt. Sta. Dept. Mimeog. 13, 2 p. 1943. 100 AllD

22674 WARE, L. M. Notes on Victory garden for city people. Ala. Agr. Expt. Sta. Dept. Mimeog. 15, 4 p. 1943. 100 AllD

Arizona Agricultural Experiment Station, Tucson

22675 STREETS, R. B. Diseases of the rose in Arizona. Ariz. Agr. Expt. Sta. Bul. 190, 25 p. 1943. 100 Ar4

California Agricultural Experiment Station, Berkeley

22676 DAVIS, G. N., and JONES, H. A. Experiments with the transplant onion crop in California. Calif. Agr. Expt. Sta. Bul. 682, 20 p. 1944. 100 Cl2S

22677 GUILBERT, H. R., and GOSS, H. Digestion experiments with range forages and flax hulls. Calif. Agr. Expt. Sta. Bul. 684, 10 p. 1944. 100 Cl2S

22678 JACOB, H. E. Factors influencing the yield, composition, and quality of raisins. Calif. Agr. Expt. Sta. Bul. 683, 44 p. 1944. 100 Cl2S  
Methods of drying discussed.

22679 ADAMS, R. L. California farms: to buy or not to buy. Calif. Agr. Expt. Sta. Cir. 358, 12 p. 1944. 100 Cl2S

22680 BEELING, WALTER, and others. Addition of extractives of rotenone-bearing plants to spray oils. Hilgardia 15: 675-701. Feb. 1944. Ref., p. 700-701. 100 Cl2H

F. A. Gunther, J. P. LaDue, and J. J. Ortega, joint authors.

22681 RIDDLE, O. C., and BAKER, G. A. Biases encountered in large-scale yield tests. Hilgardia 16: 1-14. Feb. 1944. Ref., p. 13-14. 100 Cl2H  
Wheat yield tests.

Colorado Agricultural Experiment Station, Fort Collins

22682 FARM science at war: fifty-sixth annual report 1942-43, Colorado Agricultural Experiment Station. 40 p. 1944. 100 C71S

Research reported on agronomy, animal investigations, botany and plant pathology, chemistry, entomology, home economics, horticulture, pathology and bacteriology, poultry, range and pasture management, rural economics and sociology, irrigation and drainage, and mechanical harvesting machines.

Connecticut (State) Agricultural Experiment Station, New Haven

22683 ANDERSON, P. J., SWANBACK, T. R., and LECOMPTE, S. B., JR. Tobacco Substation at Windsor, report for 1943. Conn. (State) Agr. Expt. Sta. Bul. 478, p. 91-117. 1944. 100 C76St

Research reported on fertilizers and tobacco diseases.

Connecticut (Storrs) Agricultural Experiment Station, Storrs

22684 JUNGHEER, ERWIN. Nasal histopathology and liver storage in subtotal vitamin A deficiency of chickens. Conn. (Storrs) Agr. Expt. Sta. Bul. 250, 36 p. 1943. Ref., p. 34-36. 100 C76S

Florida Agricultural Experiment Station, Gainesville

22685 BECKENBACH, J. R. Functional relationships between boron and various anions in the nutrition of the tomato. Fla. Agr. Expt. Sta. Bul. 395, 34 p. 1944. 100 F66S

Georgia Coastal Plain Experiment Station, Tifton

22686 ESTABLISHING the Coastal Bermuda grass nursery. Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 27, 1 p., processed. 1944. 100 G292M

22687 LEAF spot control for increased peanut yields. Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 26, 2 p. 1944. 100 G292M

Idaho Agricultural Experiment Station, Moscow

22688 SHULL, W. E. Idaho recommendations for insect control. Idaho Agr. Expt. Sta. Bul. 252, 63 p. 1944. 100 Id1

Indiana Agricultural Experiment Station, Lafayette

22689 CANADA, T. L. Indiana turkey prices. Ind. Agr. Expt. Sta. Agr. Econ. Mimeog. Pub. 28, 11 p. 1943. 100 In2Ag

22690 MATZEN, E. H. A transportation conservation plan for trucks assembling milk in Indiana. Ind. Agr. Expt. Sta. Agr. Econ. Mimeog. 27, 12 p. 1943. 100 In2Ag

22691 BUTZ, E. L., and BYER, E. G. Veal calf prices in Indiana. Ind. Agr. Expt. Sta. Bul. 493, 19 p. 1944. 100 In2P

22692 FOSTER, G. H., and VESTAL, C. M. The use of electric heat in the farrowing pens of young pigs. Ind. Agr. Expt. Sta. Bul. 494, 14 p. 1944. 100 In2P

Kansas Agricultural Experiment Station, Manhattan

22693 JUGENHEIMER, R. W., and others. Kansas corn tests, 1943. Kans. Agr. Expt. Sta. Bul. 323, 36 p. 1944. 100 Kl3S

A. L. Clapp, C. D. Davis, and C. R. Porter, joint authors.

22694 BARNETT, R. J. Apple guide for Kansas retailers. Kans. Agr. Expt. Sta. Cir. 219, 23 p. 1944. 100 Kl3S

22695 FARLEY, HERMAN. Diseases of feeder cattle in Kansas. Kans. Agr. Expt. Sta. Cir. 220, 16 p. 1944. 100 Kl3S

Revision of Circular 214.



22696 MCMAHAN, V. K. Brucellosis of cattle. Kans. Agr. Expt. Sta. Cir. 222, 16 p. 1944. 100 K13S

22697 PUBLICATION list: publications available from the agricultural experiment station. Kans. Agr. Expt. Sta. Cir. 221, 4 p. 1944. 100 K13S

22698 WARREN, D. C. Developing early-feathering strains in heavy breeds of poultry. Kans. Agr. Expt. Sta. Cir. 224, 4 p. 1944. 100 K13S

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

22699 KIMBROUGH, W. D. Studies with the gladiolus in south Louisiana. La. Agr. Expt. Sta. Bul. 372, 11 p. 1944. 100 L93

22700 DUTSCH, T. P. The use of *Palustrex Sulfonate* for control of shot-hole [*Scolytus rugulosus*], and lesser peach tree [*Sanninoidea pictipes*], borers. La. Agr. Expt. Sta. Insect Pest Control Res. Leaflet 10, 2 p., processed. 1944. 423.9 L93

22701 EDDY, C. O., and others. Summary of field data: cotton insects - 1943. La. Agr. Expt. Sta. Insect Pest Control Res. Leaflet 9, 7 p., processed. 1944. 423.9 L93

E. H. Floyd, C. B. Haddon, and J. L. Crigler, joint authors.

Maine Agricultural Experiment Station, Orono

22702 DOW, G. F. Consumption and marketing of dairy products in Portland, Maine. Maine Agr. Expt. Sta. Bul. 425, p. 171-210. 1944. 100 M28S

22703 BAKER, GREGORY. The primary wood using industries of Hancock County for the year 1942. Maine Agr. Expt. Sta. Misc. Pub. 582, 12 p., processed. 1944. 100 M28S

22704 BAKER, GREGORY. The primary wood using industries of Penobscot County for the year 1942. Maine Agr. Expt. Sta. Misc. Pub. 581, 13 p., processed. 1944. 100 M28S

22705 BAKER, GREGORY. The primary wood using industries of Somerset County for the year 1942. Maine Agr. Expt. Sta. Misc. Pub. 580, 13 p., processed. 100 M28S

22706 BAKER, GREGORY. The primary wood using industries of Washington County for the year 1942. Maine Agr. Expt. Sta. Misc. Pub. 579, 9 p., processed. 1943. 100 M28S

22707 DOW, G. F. Milk distribution through stores in the Portland market. Maine Agr. Expt. Sta. Misc. Pub. 574, 32 p. 1943. 100 M28S

22708 DOW, G. F. A preliminary report on consumers' problems of every-other-day delivery of milk in Portland and Westbrook, Maine. Maine Agr. Expt. Sta. Misc. Pub. 571, 11 p. 1943. 100 M28S

22709 DOW, G. F. A preliminary report on country assembly of milk in Maine for shipment to Boston dealers. Maine Agr. Expt. Sta. Misc. Pub. 570, 6 p., processed. 1943. 100 M28S

22710 DOW, G. F. Production of farm butter in Maine and possibilities of a shift to fluid milk. Maine Agr. Expt. Sta. Misc. Pub. 583, 14 p. 1944. 100 M28S

22711 HAWKINS, JOHN. Victory by insect control: the Mexican bean beetle [*Epilachna varivestis*]. Maine Agr. Expt. Sta. Misc. Pub. 573, 2 p., processed. 1943. 100 M28S

22712 MERCHANT, C. H. A preliminary report on selling and shipping Maine potatoes. Maine Agr. Expt. Sta. Misc. Pub. 569, 37 p., processed. 1942. 100 M28S

22713 MERCHANT, C. H. A study of the farmers' transportation and storage of potatoes in Maine under wartime conditions. Maine Agr. Expt. Sta. Misc. Pub. 572, 26 p. 1943. 100 M28S

Trucks and tractors used on potato farms.

22714 SCHROMPF, W. E., and MCINTIRE, S. G. Potato-harvest labor in Aroostook County, Maine, 1941. Maine Agr. Expt. Sta. Misc. Pub. 568, 34 p., processed. 1942. 100 M28S

U. S. Bureau of Agricultural Economics cooperating.

22715 SIMPSON, J. W., and PORTER, W. F. A roving service for producers of foundation seed potatoes. Maine Agr. Expt. Sta. Misc. Pub. 584, 21 p. 1944. 100 M28S

22716 STEINBAUER, G. P., and TOBEY, E. R. Commercial agricultural seeds, 1943; fungicides and insecticides, 1943. Maine Agr. Expt. Sta. Off. Insp. 190, p. 61-95. 1943. 100 M28S

22717 TOBEY, E. R. Chemical fertilizers, 1943. Maine Agr. Expt. Sta. Off. Insp. 189, p. 33-59. 1943. 100 M28S

Maryland Agricultural Experiment Station, College Park

22718 KEMP, W. B., and ROTHGEB, R. G. Selection and genetic responses in a segregating maize population. Md. Agr. Expt. Sta. Bul. A26, 33 p. 1943. 100 M36S

22719 POFFENBERGER, P. R., and DEVAULT, S. H. Trends in wartime farm prices in Maryland. Md. Agr. Expt. Sta. Bul. A25, p. 379-404. 1943. 100 M36S

Mississippi Agricultural Experiment Station, State College

22720 ROBERTS, C. A., and POLK, H. D. Construction and operation of the summer egg cooler. Miss. Agr. Expt. Sta. Bul. 388, 11 p. 1943. 100 M69

22721 STOKES, I. E., and ASHLEY, T. E. Sugar-cane production in Mississippi. Miss. Agr. Expt. Sta. Bul. 395, 17 p. 1943. 100 M69

22722 ANDREWS, W. B. Buying fertilizer for cotton in 1944. Miss. Agr. Expt. Sta. Cir. 116, 11 p. 1944. 100 M69

22723 COLEMAN, RUSSELL, and ASHLEY, T. E. The value of fertilizer for oats. Miss. Agr. Expt. Sta. Cir. 115, 8 p. 1944. 100 M69

22724 GULL, P. W. Hybrid corn test, Stoneville, 1943. Miss. Agr. Expt. Sta. Serv. Sheet 371, 1 p. 1944. 100 M69

New Mexico Agricultural Experiment Station, State College

22725 FIFTY-FOURTH annual report Agricultural Experiment Station of the New Mexico College of Agriculture and Mechanic Arts, 1942-1943. 63 p. 1944. 100 M46S

Research reported on agricultural economics, agronomy, animal husbandry, biology, chemistry, dairy husbandry, home economics research, horticulture, irrigation, and poultry husbandry.

New York (Cornell) Agricultural Experiment Station, Ithaca

22726 WILSON, J. K. Nitrous acid and the loss of nitrogen. N. Y. (Cornell) Agr. Expt. Sta. Mem. 253, 36 p. 1943. Ref., p. 29-36. 100 N48C

22727 ANDERSON, W. A., and FALES, D. B. Farm youth in the 4-H club. N. Y. (Cornell) Agr. Expt. Sta. Mimeog. Bul. 13, 22 p. 1944. 100 N48Cm

New York (State) Agricultural Experiment Station, Geneva

22728 KERTESZ, Z. I., and LOCONTI, J. D. Factors determining the consistency of commercial canned tomato juice. N. Y. (State) Agr. Expt. Sta. Tech. Bul. 272, 36 p. 1944. Ref., p. 35-36. 100 N48

22729 FARM research, v. 10, No. 2, 20 p. Apr. 1, 1944. 100 N48A



North Carolina Agricultural Experiment Station, State College Station, Raleigh

22730 WILLIAMS, G. B., RANKIN, W. H., and HENDRICKS, J. W. Soil fertility studies in the Piedmont. II. The effect of crop rotations in crop production. N. C. Agr. Expt. Sta. Bul. 341, 20 p. 1943. 100 N81

22731 MAYO, S. C., and HAMILTON, C. H. Rural population problems in North Carolina. I. Population growth 1790-1940. N. C. Agr. Expt. Sta. Tech. Bul. 76, 58 p. 1943. 100 N81

North Dakota Agricultural Experiment Station, State College Station, Fargo

22732 GOODEARL, G. P. Comparison of proso millet and yellow corn for feeding laying hens. N. Dak. Agr. Expt. Sta. Bul. 329, 23 p. 1943. 100 N813

Ohio Agricultural Experiment Station, Wooster

22733 PETZEL, F. E. Factors relating to the selection of sewing thread. Ohio Agr. Expt. Sta. Bul. 549, 14 p. 1944. 100 Oh38

22734 DILLER, O. D. Ohio's forest resources: progress report based on a survey conducted during 1939-1943, and a presentation of a recommended long-range forestry program for Ohio. Ohio Agr. Expt. Sta. Forestry Pub. 76, 109 p. 1944. 99.9 Oh33

Oklahoma Agricultural Experiment Station, Stillwater

22735 HARPER, H. J. Commercial fertilizers for Oklahoma crops. Okla. Agr. Expt. Sta. Bul. B-279, 47 p. 1944. 100 Ok4

22736 AGENCIES to contact in case of poultry troubles attributed to feed, disease or management. Okla. Agr. Expt. Sta. Mimeog. Cir. M-103, 3 p. 1943. 100 Ok4M

22737 BROWN, C. C. Contribution toward a host index to plant diseases in Oklahoma. Okla. Agr. Expt. Sta. Mimeog. Cir. M-104, Sup. 1, 39 p. 1943. 100 Ok4M

22738 THE CLASSIFICATION of farmers' wheat samples: progress report; the Oklahoma farm wheat improvement program. Okla. Agr. Expt. Sta. Mimeog. Cir. M-106, 2 p. 1943. 100 Ok4M

22739 TAYLOR, B. R. Producing choice finished yearlings with a maximum of roughage and grass and a minimum of grain. Okla. Agr. Expt. Sta. Mimeog. Cir. M-105, 9 p. 1943. 100 Ok4M

Oregon Agricultural Experiment Station, Corvallis

22740 DEGMAN, E. S. Pruning pears in the Rogue River Valley. Oreg. Agr. Expt. Sta. Cir. Inform. 287, 2 p., processed. 1943. 100 Or3C

22741 IMLOACH, D. B. Considerations relating to State and Federal regulation of fluid milk prices in Oregon. Oreg. Agr. Expt. Sta. Cir. Inform. 313, 10 p., processed. 1943. 100 Or3C

22742 EWALT, H. P. Seeding grain to dairy cows on irrigated Ladino clover and grass pasture. Oreg. Agr. Expt. Sta. Cir. Inform. 310, 5 p., processed. 1943. 100 Or3C

22743 EWALT, H. P. Rotational grazing of irrigated pasture. Oreg. Agr. Expt. Sta. Cir. Inform. 311, 4 p., processed. 1943. 100 Or3C

22744 EWALT, H. P., and BYERS, J. H. The use of chlorine solution in clean milk production. Oreg. Agr. Expt. Sta. Cir. Inform. 288, 2 p., processed. 1943. 100 Or3C

22745 FERGUSON, G. R. Control of corn earworm [*Heliothis armigera*] on sweet corn. Oreg. Agr. Expt. Sta. Cir. Inform. 312, 3 p., processed. 1943. 100 Or3C

Revision of Circular of Information 275.

22746 HARPER, J. A. War emergency wash rations for poultry. Oreg. Agr. Expt. Sta. Cir. Inform. 299, 2 p., processed. 1943. 100 Or3C

22747 HARTMAN, HENRY. Tree fruits for the home orchard in western Oregon. Oreg. Agr. Expt. Sta. Cir. Inform. 328, 5 p., processed. 1944. 100 Or3C  
Revision of Circular of Information 308.

22748 HARVEY, E. W. Freezing razor clams. Oreg. Agr. Expt. Sta. Cir. Inform. 301, 3 p., processed. 1943. 100 Or3C

22749 HOERNER, G. R. Crown treatments for hop downy mildew control. Oreg. Agr. Expt. Sta. Cir. Inform. 296, 2 v., processed. 1943. 100 Or3C  
Revision of Circular of Information 80.

22750 JONES, S. C., and MOWRY, PAUL. Lecanium scale control on stone fruits. Oreg. Agr. Expt. Sta. Cir. Inform. 294, 3 p., processed. 1943. 100 Or3C

22751 JONES, S. C. Questions and answers about the cherry fruit fly [*Rhagoletis cingulata*]. Oreg. Agr. Expt. Sta. Cir. Inform. 300, 3 p., processed. 1943. 100 Or3C

Revision of Circular of Information 185.

22752 JONES, S. C., ROBINSON, R. H., and ZELLER, S. M. Spray program for the control of sour cherry leaf-spot, *Syneta* beetle, and fruit fly. Oreg. Agr. Expt. Sta. Cir. Inform. 298, 2 p., processed. 1943. 100 Or3C

Revision of Circular of Information 253.

22753 KUEHLMAN, W. W., and MUMFORD, D. C. Renting farm machinery. Oreg. Agr. Expt. Sta. Cir. Inform. 306, 3 p., processed. 1943. 100 Or3C

22754 MACDONALD, NORMA, DAVIS, G. B., and MUMFORD, D. C. Farm furnished living on Willamette Valley farms. Oreg. Agr. Expt. Sta. Cir. Inform. 289, 12 p., processed. 1943. 100 Or3C

22755 MCWHORTER, F. P. Stopping damping-off in vegetable seedlings. Oreg. Agr. Expt. Sta. Cir. Inform. 305, 2 p., processed. 1943. 100 Or3C

22756 MCWHORTER, F. P. What can be done to prevent diseases from reducing the yield and quality of vegetable seed in Oregon plantings. Oreg. Agr. Expt. Sta. Cir. Inform. 307, 5 p., processed. 1943. 100 Or3C

22757 MAXIMUM amount of fertilizers recommended for use in following Food Production Order 5 (FPO 5). Oreg. Agr. Expt. Sta. Cir. Inform. 292, 4 p., processed. 1943. 100 Or3C

22758 MILLER, P. W., and THOMPSON, B. G. Spraying for the control of the filbert worm [*Melissopus latiferreanus*] and filbert blight in Oregon. Oreg. Agr. Expt. Sta. Cir. Inform. 316, 3 p., processed. 1943. 100 Or3C

22759 MORRISON, H. E., and MOTE, D. C. A progress report of investigations concerning the symphyliid [*Scutigerella immaculata*] and its control. Oreg. Agr. Expt. Sta. Cir. Inform. 293, 3 p., processed. 1943. 100 Or3C

Revision of Circular of Information 242.

22760 MOTE, D. C., and GRAY, K. W. Control of weevil [*Bruchus pisorum*] in garden and field peas in 1943. Oreg. Agr. Expt. Sta. Cir. Inform. 303, 2 p., processed. 1943. 100 Or3C

22761 OWENS, C. E., and ZELLER, S. M. Control of brown rot of prunes. Oreg. Agr. Expt. Sta. Cir. Inform. 315, 2 p., processed. 1943. 100 Or3C

22762 OWENS, C. E. Late-blight of potato. Oreg. Agr. Expt. Sta. Cir. Inform. 290, 6 p., processed. 1943. 100 Or3C

Revision of Circular of Information 279.

22763 OWENS, C. E., and MCWHORTER, F. P. Late-blight of tomato: tentative suggestions for control in Oregon. Oreg. Agr. Expt. Sta. Cir. Inform. 291, 5 p., processed. 1943. 100 Or3C



22764 POTTER, E. L. OPA dressed meat ceilings, subsidies to slaughterers and comparable live animal values. Oreg. Agr. Expt. Sta. Cir. Inform. 317, 9 p., processed. 1943. 100 Or3C

22765 PRICE, F. E., and KIRK, D. E. Construction and operation of a home electric food dehydrator. Oreg. Agr. Expt. Sta. Cir. Inform. 309, 6 p., processed. 1943. 100 Or3C

22766 SCHUH, JOE, GRAY, K. W., and MOTE, D. C. Control of bulb pests. Oreg. Agr. Expt. Sta. Cir. Inform. 314, 3 p., processed. 1943. 100 Or3C

22767 SINNHUBER, R. O. Production of salmon egg oil. Oreg. Agr. Expt. Sta. Cir. Inform. 302, 2 p., processed. 1943. 100 Or3C

22768 THOMPSON, B. G. The control of the filber moth *Melissopus latiferreanus*. Oreg. Agr. Expt. Sta. Cir. Inform. 333, 3 p., processed. 1944. 100 Or3C

Revision of Circular of Information 297.

22769 THOMPSON, B. G., and DAVIS, J. E. The onion maggot *Hydomya antiqua*. Oreg. Agr. Expt. Sta. Cir. Inform. 295, 3 p., processed. 1943. 100 Or3C

#### Pennsylvania Agricultural Experiment Station, State College

22770 SCIENCE for the farmer: fifty-sixth annual report of the Pennsylvania Agricultural Experiment Station for the fiscal year ended June 30, 1943. Pa. Agr. Expt. Sta. Bul. 446, Sup. 2, 10 p. 1944. 100 P381

22771 ANDERSON, E. J. A word about package bees. Pa. Agr. Expt. Sta. Jour. Ser. Paper 1225, 3 p., processed. 1944. 100 P381J

#### Puerto Rico Agricultural Experiment Station, Mayaguez

22772 REPORT of the Puerto Rico Experiment Station, 1943. Puerto Rico Agr. Expt. Sta. Rpt. 1943, 38 p. 1944. 100 P83A

Research reported on cinchona, insecticidal plants, vegetable crops, plant introductions, entomology and economic zoology, chemistry, agricultural engineering, bamboo, essential oils, spice crops, vanilla, soil conservation, and coffee.

#### South Carolina Agricultural Experiment Station, Clemson

22773 AULL, G. H., FELLERS, C. B., and MIXON, J. A. A brief economic survey of the Anderson (S. C.) trading area. S. C. Agr. Expt. Sta. Cir. 68, 20 p. 1944. 100 So82

22774 STEPP, J. M., and ROWLAND, GIL. Adventures in small-scale rural enterprises in South Carolina. S. C. Agr. Expt. Sta. Cir. 67, 32 p. 1944. 100 So82

Information on handicrafts; a boll weevil poisoning device and a modern syrup-making industry in Darlington County.

22775 FIFTY-SIXTH annual report of the South Carolina Experiment Station of Clemson Agricultural College for the year ended June 30, 1943. 173 p. 1944. 100 So8

Research reported on agricultural economics and rural sociology, agricultural engineering, home economics, field crops and fertilizers, fruits and vegetables, plant physiology and plant diseases, entomology and zoology, chemistry, animal husbandry, dairying, poultry, and experimental work at the branch stations.

#### Tennessee Agricultural Experiment Station, Knoxville

22776 LUKBKE, B. H., MANTLE, C. C., and ROWAN, W. S. Milk delivery in Knoxville. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 167, 34 p., processed. 1944. 173.2 W890c

#### Texas Agricultural Experiment Station, College Station

22777 PAULSON, W. E. Successful cooperative cotton gin associations in Texas. Tex. Agr. Expt. Sta. Bul. 636, 100 p. 1943. 100 T31S

22778 JACKSON, A. D. Abstracts of bulletins No. 609-624, circulars No. 95-100, and other publications during 1942. Tex. Agr. Expt. Sta. Cir. 103, 51 p. 1943. 100 T31S

#### Utah Agricultural Experiment Station, Logan

22779 GREAVES, J. E., and HIRST, C. T. The influence of cropping on the nitrogen, phosphorus and organic matter of the soil under irrigation farming. Utah Agr. Expt. Sta. Bul. 310, 19 p. 1943. 100 Utl

22780 ISRAELSEN, U. W., and others. Water-application efficiencies in irrigation. Utah Agr. Expt. Sta. Bul. 311, 55 p. 1944. 100 Utl

W. D. Griddle, D. K. Fuhrman, and V. E. Hansen, joint authors.

U. S. Soil Conservation Service cooperating.

22781 WOODWARD, R. W., and TINGEY, D. C. Cache, a beardless, smut-resistant winter wheat. Utah Agr. Expt. Sta. Bul. 312, 10 p. 1944. 100 Utl

Bureau of Plant Industry, Soils and Agricultural Engineering cooperating.

22782 BLANCH, G. T. The livestock feed situation in Utah, 1943-44. Utah Agr. Expt. Sta. Mimeog. Ser. 303, 8 p. 1943. 100 UtlM1

22783 BROADBENT, D. A., THOMAS, W. P., and BLANCH, G. T. Preliminary report of an economic analysis of turkey production in Utah, 1942. Utah Agr. Expt. Sta. Mimeog. Ser. 306, 16 p. 1944. 100 UtlM1

22784 CLYDE, G. D. Utah cooperative snow surveys and water-supply forecasts, 1944. Utah Agr. Expt. Sta. Mimeog. Ser. 307, 28 p. 1944. 100 UtlM1

#### Washington Agricultural Experiment Station, Pullman

22785 ALLMENDINGER, D. F., OVERLEY, F. L., and OVERHOLSER, E. L. The relation of harvest maturity of apricots to the tonnage harvested. Wash. Agr. Expt. Sta. Mimeog. Cir. 9, 3 p. 1943. 100 W27Mc

22786 ALLMENDINGER, D. F., OVERLEY, F. L., and OVERHOLSER, E. L. The relation of harvest maturity to size and weight of peach fruits. Wash. Agr. Expt. Sta. Mimeog. Cir. 8, 4 p. 1943. 100 W27Mc

22787 ALLMENDINGER, D. F., OVERLEY, F. L., and OVERHOLSER, E. L. The relation of harvest maturity to size of sweet cherry fruits. Wash. Agr. Expt. Sta. Mimeog. Cir. 2, 3 p. 1943. 100 W27Mc

22788 BUCHANAN, M. T., and PETERSON, A. W. The feed situation and outlook. Wash. Agr. Expt. Sta. Mimeog. Cir. 11, 17 p. 1943. 100 W27Mc

22789 EICHMANN, R. D. Asparagus insects. Wash. Agr. Expt. Sta. Mimeog. Cir. 6, 3 p. 1943. 100 W27Mc

22790 EICHMANN, R. D. Corn earworm *Heliothis armigera*. Wash. Agr. Expt. Sta. Mimeog. Cir. 5, 3 p. 1943. 100 W27Mc

22791 EICHMANN, R. D., TRENNARY, O. J., and SMITH, L. G. Fumigation of dry peas for weevils *Bruchus pisorum*, including plans for a fumigation chamber. Wash. Agr. Expt. Sta. Mimeog. Cir. 3, rev., 12 p. 1943. 100 W27Mc

22792 EICHMANN, R. D. Squash bug *Anasa tristis*. Wash. Agr. Expt. Sta. Mimeog. Cir. 7, 3 p. 1943. 100 W27Mc

22793 EICHMANN, R. D. Tomato insects. Wash. Agr. Expt. Sta. Mimeog. Cir. 4, 4 p. 1943. 100 W27Mc



22794 ENSMINGER, M. E., WARWICK, E. J., and HEINEMANN, WILTON. The relation of vitamin B<sub>1</sub> in the ration of the hog to the amount deposited in the tissue. Wash. Agr. Expt. Sta. Mimeog. Cir. 14, 7 p. 1943. 100 W27Mc

22795 OVERLEY, F. L., and others. An economic study of an orchard tree removal program for better spacing. Wash. Agr. Expt. Sta. Mimeog. Cir. 1, 14 p. 1943. 100 W27Mc

E. L. Overholser, George Sisler, and D. F. Allmendinger, joint authors.

22796 VANDECAVEYE, S. C. Fertilizer tonnage sales report for Washington for July 1, 1941 to June 30, 1942. Wash. Agr. Expt. Sta. Mimeog. Cir. 10, 4 p. 1943. 100 W27Mc

22797 WARWICK, E. J., and ENSMINGER, M. E. Record of performance for livestock. Wash. Agr. Expt. Sta. Mimeog. Cir. 15, 8 p. 1943. 100 W27Mc

22798 WARWICK, E. J., ENSMINGER, M. E., and LAW, ALVIN. Swine feeding trials including (1) protein supplements with varying amounts of animal protein, (2) dry lot vs. pasture, and (3) grinding vs. feeding whole wheat. Wash. Agr. Expt. Sta. Mimeog. Cir. 16, 5 p. 1943. 100 W27Mc

22799 BUCHANAN, M. T., PETERSON, A. W., and KAISER, VERLE. The influence of crop rotation and date of planting on yields of dry edible peas in eastern Washington, 1943. Wash. Agr. Expt. Sta. V Cir. 18, 4 p. 1944. 100 W27E

West Virginia Agricultural Experiment Station, Morgantown

22800 BRADFORD, R. H., and WEITZELL, E. C. Rural underemployment and land use, in a marginal agricultural area of West Virginia. W. Va. Agr. Expt. Sta. Mimeog. Cir. 48, 23 p. 1943. 100 W52M  
U. S. Bureau of Agricultural Economics cooperating.

22801 WELLHAUSEN, E. J., CARTLEDGE, J. L., and FRIANT, R. J. Results of hybrid corn yield trials in West Virginia for 1943. W. Va. Agr. Expt. Sta. Mimeog. Cir. 49, 11 p. 1944. 100 W52M

Wyoming Agricultural Experiment Station, Laramie

22802 LEE, A. M., SCRIVNER, L. H., and NORTH, M. O. Avian leukosis and lymphomatosis. Wyo. Agr. Expt. Sta. Bul. 266, 32 p. 1944. 100 W99



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month, except periodical articles which are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photostat form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alaska University, (Division of Agriculture and Home Economics) Extension Service, College

- 22803 DIRECTIONS and time tables for canning. Alaska Univ. Agr., Ext. Leaflet H. D. 127, 2 p. 1943. 275.29 A113B
- 22804 FOHN-HANSEN, LYDIA, and TILLY, L. C. How to use frozen foods. Alaska Univ. Agr., Ext. H. D. Leaflet 136, 2 p. 1943. 275.29 A113B
- 22805 FOHN-HANSEN, LYDIA. Preserving fish. Alaska Univ. Agr., Ext. H. D. Leaflet 139, 4 p. 1943. 275.29 A113B
- 22806 FOHN-HANSEN, LYDIA. Use fish for economy, convenience and health. Alaska Univ. Agr., Ext. H. D. Leaflet 138, 4 p. 1943. 275.29 A113B
- 22807 FOHN-HANSEN, LYDIA. Care of equipment. Alaska Univ. Agr., Ext. Leaflet 135, 4 p. 1943. 275.29 A113B
- 22808 FOHN-HANSEN, LYDIA. Cured and smoked meats. Alaska Univ. Agr., Ext. Leaflet 140, 1 p., processed. 1943. 275.29 A113L

Arizona University, College of Agriculture, Agricultural Extension Service, Tucson

- 22809 DUDGEON, L. T. Arizona meals the 4-H way, first year. Ariz. Agr. Col. Ext. Cir. 120, 38 p. 1944. 275.29 Ar42
- 22810 MCKEE, KENNETH. Parents and 4-H club work. Ariz. Agr. Col. Ext. Folder W-28, 6 p. 1944. 275.29 Ar42Ext
- 22811 RONEY, J. N. Hints for control of cotton insects. Ariz. Agr. Col. Ext. Folder W-30, 6 p. 1944. 275.29 Ar42Ext

Arkansas University, College of Agriculture, Agricultural Extension Service, Little Rock

- 22812 RANDOLPH, B. G. Grow garden soybeans: produce food for victory. Ark. Agr. Col. Ext. Leaflet 60, 6 p. 1944. 275.29 Ar4Le
- Recipes for cooking soybeans.
- 22813 HOW TO dehydrate food at home. Ark. Agr. Col. Ext. Misc. Pub. 5, 16 p. 1943. 275.29 Ar4M1
- 22814 RAMBO, E. K. Homemade fertilizer spreaders. Ark. Agr. Col. Food for Victory, Ext. Plan Ser. 6, 5 p. 1944. 275.29 Ar4Fo

California University, College of Agriculture, Agricultural Extension Service, Berkeley

- 22815 BURLINGAME, B. B., and KRUSE, D. M. First annual report irrigated pasture efficiency study, 1943 [Sacramento County], 4 p., processed. Calif. Agr. Col. Ext., 1944. 275.29 C12En
- 22816 HERTEL, J. P., and SHULTIS, ARTHUR. Poultry management study: a comparison of the practices of seventeen San Bernardino County farms, 1943. 11 p., processed. Calif. Agr. Col. Ext., 1944. 275.29 C12En
- 22817 SULLIVAN, WALLACE, and WAHLBERG, H. E. Avocado cost analysis, Orange County, 1943. Fourteenth annual summary. 11 p., processed. Calif. Agr. Col. Ext., 1944. 275.29 C12En

Delaware University, School of Agriculture, Extension Service, Newark

- 22818 MACDONALD, PEARL. Home canning in Delaware. Del. Univ. Agr. Ext. Bul. 38, 10 p. 1943. 275.29 D37
- 22819 TOMHAVE, A. E. Care and feeding of sows and pigs. Del. Univ. Agr. Ext. Bul. 40, 12 p. 1944. 275.29 D37
- 22820 MILES, G. A. Grow your pullets the right way. Del. Univ. Agr. Ext. Mimeog. Cir. 32, 3 p. 1944. 275.29 D37M
- 22821 PHILLIPS, C. E., and BRASHER, E. P. Revised wartime fertilizer recommendations for Delaware. Del. Univ. Agr. Ext. Wartime Ext. Folder 3, rev., 3 p. 1943. 275.29 D37W

Georgia University, College of Agriculture, Agricultural Extension Service, Athens

- 22822 CARTER, W. C., FARMER, L. E., and GARNER, C. G. Hints on marketing for 1944. Ga. Agr. Col. Ext. Cir. 329, 6 p. 1944. 275.29 G29C

Hawaii University, Agricultural Extension Service, Honolulu

- 22823 ELLIOTT, RALPH, and HIROSHIGE, HERBERT. Farmer's guide to some 1944 taxes and regulations. Hawaii Univ. Agr. Ext. Cir. 165, 7 p., processed. 1944. 275.29 H312Ac

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

- 22824 LOUISIANA'S Extension work in wartime. Agricultural Extension Service annual report, 1943. 64 p. La. Agr. Col. Ext., 1944. 275.29 L932A

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

- 22825 ULREY, ORION. Review and outlook for Michigan agriculture for 1944. Mich. State Col. Agr. Ext. Agr. Econ. News, No. 31, 48 p. 1944. 275.29 M58A
- 22826 BJORNSETH, EARL, and BARRONS, K. C. Vegetable plant growing reminders. Mich. State Col. Agr. Ext. Bul. 259, 2 p. 1944. 275.29 M58B
- 22827 MOROSKY, W. F. How to make insect collections. Mich. State Col. Agr. Ext. Bul. 254, 11 p. 1944. 275.29 M58B
- 22828 RASMUSSEN, E. J., HUTSON, RAY, and CATION, DONALD. Spraying calendar. Mich. State Col. Agr. Ext. Bul. 154, 4th rev., 27 p. 1944. 275.29 M58B



Minnesota University, Department of Agriculture,  
Division of Agricultural Extension, University Farm,  
St. Paul

22829 BURSON, P. M., and ROST, C. O. Improving Victory garden fertility. Minn. Univ. Agr. Ext. Pam. 132 (1944 Food Production Program Series), 6 p. 1944. 275.29 M66P

22830 A HEN eating 80 pounds of feed per year should lay 160 eggs: track down the causes of those missing eggs. Minn. Univ. Agr. Ext. Pam. 128 (1944 Food Production Program Series), 2 p. 1943. 275.29 M66P

22831 IVES, NORTON. Count your machinery troubles. Minn. Univ. Agr. Ext. Pam. 131 (1944 Food Production Program Series), 8 p. 1944. 275.29 M66P

22832 POND, G. A. Custom rates for farm operations. Minn. Univ. Agr. Ext. Pam. 134, 4 p. 1944. 275.29 M66P

22833 POND, G. A. Increase feed production by better choice of crops. Minn. Univ. Agr. Ext. Pam. 133 (1944 Food Production Program Series), 8 p. 1944. 275.29 M66P

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

22834 CARL, F. L., and JOPLING, L. K. Food for the infant. Mo. Agr. Col. Ext. Cir. 501, 4 p. 1943. 275.29 M69C

22835 CARL, F. L., and JOPLING, L. K. Food habits for children 3 to 6 years of age. Mo. Agr. Col. Ext. Cir. 502, 8 p. 1943. 275.29 M69C

22836 FITZGERALD, MADONNA, and WOODRUFF, LOUISE. Homemade storage facilities for the home. Mo. Agr. Col. Ext. Cir. 503, 11 p. 1943. 275.29 M69C

22837 KLEMM, A. W., and COLEMAN, O. T. Fertilizer recommendations for spring and summer crops. 1944. Mo. Agr. Col. Ext. Cir. 504, 4 p. 1944. 275.29 M69C

New Hampshire University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

22838 ELLIS, E. E. Hunches for home packed lunches. N. H. Agr. Col. Ext. Cir. 258, 8 p. 1944. 275.29 N45C

22839 HADDOCK, J. L. Growing small grains and corn in New Hampshire. N. H. Agr. Col. Ext. Cir. 257, 11 p. 1944. 275.29 N45C

22840 NEW HAMPSHIRE food fights for freedom. N. H. Agr. Col. Ext. Cir. 256, 6 p. 1944. 275.29 N45C

Food production program for 1944.

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

22841 LIST of publications, Cornell University Agricultural Experiment Station and New York State Colleges of Agriculture and Home Economics. N. Y. Agr. Col. Cornell Ext. Bul. 47, rev., 29 p. 1944. 275.29 N48E

22842 SMOCK, R. M. The storage of apples. N. Y. Agr. Col. Cornell Ext. Bul. 440, rev., 40 p. 1943. 275.29 N48E

22843 PALMER, E. L. Little climates. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet, v. 37, No. 3, 32 p. 1944. 275.29 N48R

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

22844 GARRIS, H. E., and ELLIS, D. E. Disease control in the home garden. N. C. Agr. Col. Ext. Cir. 272, 6 p. 1944. 275.29 N811

22845 GORDON, P. E., and WILLIAMS, ELIZABETH. It's washday. [Directions for washing cotton and rayon.]. N. C. Agr. Col. Ext. 4-H Club Ser. 42, 4 p. 1944. 275.29 N811C

22846 WILSON, S. V., and THOMAS, M. E. Use, do not abuse vegetables. N. C. Agr. Col. Ext. 4-H Club Ser. 40, 8 p. 1944. 275.29 N811C

22847 GORDON, P. E., and WILLIAMS, ELIZABETH. Laundering short-cuts. N. C. Agr. Col. Ext. Misc. Pam. 83, 8 p. 1944. 275.29 N811M

22848 HUNTER, W. N., and MCIVER, JULIA. Finishes that are durable and attractive. N. C. Agr. Col. Ext. Misc. Pam. 82, 8 p. 1944. 275.29 N811M

Sewing hints.

22849 THOMAS, M. E., and WILSON, S. V. Dishes using little or no meat. N. C. Agr. Col. Ext. Misc. Pam. 81, 8 p. 1943. 275.29 N811M

22850 GARRISS, H. R., and SHAW, LUTHER. Increase peanut yields by seed treatment and dusting. N. C. Agr. Col. Ext. War Ser. Bul. 31, 5 p. 1944. 275.29 N811W

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

22851 BEALL, THELMA. Getting the best use from your household equipment. Ohio Agr. Col. Ext. R. E. Cir. 62, 1 p. 1944. 275.29 Oh38ec

Oregon State College, Federal Cooperative Extension Service, Corvallis

22852 HARPER, J. A., and BENNION, N. L. Chick brooding and rearing. Oreg. State Col. Ext. Bul. 627, 23 p. 1944. 275.29 Or32B

22853 HARPER, J. A., and WALKER, CLYDE. The home unit poultry house. Oreg. State Col. Ext. Bul. 625, 12 p. 1943. 275.29 Or32B

22854 KING, A. S., NEWCOMB, G. T., and CHENOWETH, O. V. The solution method of applying ammonium nitrate. Oreg. State Col. Ext. Bul. 626, 16 p. 1943. 275.29 Or32B

22855 LANE, L. R. Your sewing machine, care and adjustment. Oreg. State Col. Ext. Bul. 624, 4 p. 1943. 275.29 Or32B

22856 SCHUSTER, C. E. Filberts. Oreg. State Col. Ext. Bul. 628, 32 p. 1944. 275.29 Or32B

22857 SCULLEN, H. A. Beekeeping in Oregon. Oreg. State Col. Ext. Bul. 622, 35 p. 1943. 275.29 Or32B

Revision of Bul. 513.

22858 WIEGAND, E. H., and others. Food preservation by freezing. Oreg. State Col. Ext. Bul. 623, 16 p. 1943. 275.29 Or32B

Thomas Onsdorff, A. W. Oliver, and L. A. Case, joint authors.

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

22859 CORREA, ALBERTO. La represion de la "oruga rosada" del algodon. P. R. Agr. Col. Ext. Cir. Especial 18, 4 p. 1943. 275.29 P96C



South Carolina, Clemson Agricultural College, Extension Service, Clemson

22860 BOYLSTON, H. G., and others. How to produce the largest profitable yields of cotton per acre. Clemson Agr. Col. S. C. Ext. Cir. 258, 4 p. 1944. 275.29 So8E

W. H. Craven, D. R. Hopkins, J. M. Napier, and W. C. Nettles, joint authors

22861 BRUCELLOSIS or Bang's disease. Clemson Agr. Col. S. C. Ext. Cir. 257, 8 p. 1944. 275.29 So8E

22862 NETTLES, W. C., and SCHILLETER, A. E. Summer sprays for peaches. Clemson Agr. Col. S. C. Ext. Cir. 256, 6 p. 1944. 275.29 So8E

Washington State College, Extension Service, Pullman

22863 DAVIS, ELEANORE. Yeast bread and rolls. Wash. State Col. Ext. Bul. 307, 12 p. 1944. 275.29 W27P

22864 LAW, A. G., KREIZINGER, E. J., and INGHAM, I. M. Growing green feed for poultry. Wash. State Col. Ext. Bul. 310, 16 p. 1944. 275.29 W27P

22865 MILLER, R. N. Buckrakes. Wash. State Col. Ext. Bul. 313, 8 p. 1944. 275.29 W27P

22866 GOULD, C. J., and DODGE, J. C. Vegetable seed-treatment recommendations for 1944 for western Washington, for protection against seed decay and damping-off. Wash. State Col. Ext. Cir. 70, 1 p. 1944. 275.29 W27C

22867 THE HOW of your 8-point dairy program for 1944. Wash. State Col. Ext. Cir. 72, 6 p. 1944. 275.29 W27C

22868 SNYDER, J. C. Suggestions to apple pickers. Wash. State Col. Ext. Cir. 67, 9 p. 1943. 275.29 W27C

22869 TOLMAN, WALTER, and ENSMINGER, M. E. Mineral needs of livestock. Wash. State Col. Ext. Cir. 71, 4 p. 1944. 275.29 W27C

22870 DAVIS, ELEANORE 4-H baking club. Wash. State Col. Ext. 4-H Cir. 17 [rev.], 21 p. 1944. 275.29 W27Fh

22871 4-H MEAL preparation breakfast club. Wash. State Col. Ext. 4-H Cir. 35 [rev.], 14 p. 1944. 275.29 W27Fh

22872 EGGS and their care. Wash. State Col. Ext. Poultry Pointers 29, rev., 8 p. 1944. 275.29 W27Pou

22873 FEEDING and management of chicks and pullets. Wash. State Col. Ext. Poultry Pointers 14, rev., 8 p. 1944. 275.29 W27Pou

22874 TURKEY raising in Washington. Wash. State Col. Ext. Poultry Pointers 16, rev., 18 p. 1944. 275.29 W27Pou

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

22875 COFER, E. S. Guides to wartime conservation: fight food waste in the kitchen. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 6b, 6 p. 1944. 275.29 W522G

22876 HUMPHREYS, GERTRUDE. Guides to wartime conservation: making war on garden pests. W. Va. Agr. Col. Ext. Good Living Ser. 11, Lesson 6a, 6 p. 1944. 275.29 W522G

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except war-restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

22877 BRIDGES, A. Milk production; a study of variations in costs 1934/35 to 1938/9. 79 p. Oxford. Agr. Econ. Res. Inst., 1943. 281.344 B76

22878 BRITISH COLUMBIA. POST-WAR REHABILITATION COUNCIL. App. to interim report. 422 p., processed. Victoria, 1943. 280.132 B774

Contains, in addition to plans and proposals and statistical data, the following: Report on the present and future of the bulb industry of British Columbia and supplementary notes on the culture of narcissus and tulips, by R. J. Hastings, p. 195-205; Soil survey - Prince George district, p. 206-208; Prospects for the establishment of the sugar beet industry in British Columbia, p. 243-273; Report on survey of the fibre flax industry in Oregon, U. S. A., by L. L. Jessen and F. H. Peto, p. 275-285; Excerpts from a brief on hydro-electric resources, by H. V. Warren, p. 419-421; and Brief outline of the Quebec system of land settlement, p. 422.

22879 BRITISH COLUMBIA. POST-WAR REHABILITATION COUNCIL. Interim report. 204 p., processed. Victoria, 1943. 280.132 B774

Contains sections on vocational training in agriculture, forests and parks, and agriculture and general and veterans' land settlement.

22880 BRITISH COLUMBIA. POST-WAR REHABILITATION COUNCIL. Sup. report. 122 p., processed. Victoria, 1944. 280.132 B774

Bound with this report is British Columbia. Dept. of Public Works, Post-war rehabilitation programme; construction and reconstruction of main highways, 41 p. Victoria, 1943.

Sections on land settlement, and on types of settlement under the Veterans' Land Act.

22881 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. Farming in wartime Britain. Rev., 29 p. N. Y., 1944. (I. D. 316) 280.9 B772

Sections on policy, land tenure, labor and wages, dairy farming, livestock, and marketing and price policy.

22882 BRITISH INFORMATION SERVICES. INFORMATION DIVISION. Relief for occupied Europe; some facts and problems. 8 p., processed. N. Y., 1944. (I D 503) 280.9 B772

On the question of allowing food into occupied countries and post-war plans for feeding Europe.

22883 CANADA. ADVISORY COMMITTEE ON RECONSTRUCTION. Report. 64 p. Ottawa, 1944. 280.13 C1685

Partial contents: Ch. VI. Special problems of agriculture, p. 18-22; App. B. Studies and factual reports, p. 45-52, which lists studies completed or in progress on population, settlement and immigration, and on agricultural production and consumption.

22884 EVANS, E. E. Irish heritage; the landscape, the people and their work. 190 p. Dundalk, Ireland, Tempest, 1943. 280.171 Ev1  
Agriculture and rural life.



- 22885 IVANOV, A. F. Meliorativno-gidrotekhnicheskoe stroitel'stvo v kol'khozakh i ego kreditovanie sel'khozbankom SSSR [Improved hydrotechnical construction on the collective farms and its crediting by the agricultural bank of U. S. S. R.]. 68 p. Moskva, U. S. S. R. Narodnyĭ Komissariat Finansov, Sel'skokhoziaĭstvennyĭ Bank, 1941. 55 Iv1
- 22886 JAMIESON, S. M. Labor unionism in agriculture. 154 p., processed. n. p., 1943. 283 J24  
Ref. at end of chapters.  
Thesis (Ph. D.), Univ. of Calif. Reproduction of first seven chapters.
- 22887 MALDONADO, I. D. Crédito para la producción agrícola. Estructura jurídica. Formas habituales. 261 p. Caracas, Condor, 1939. Ref., p. I-V. 284.2 D24
- 22888 MENEFEE, SELDEN. Assignment: U. S. A. 301 p. N. Y., Reynal, 1943. 280.12 M52  
A survey of the United States in wartime including the attitude and opinions of the farmers.
- 22889 NATIONAL COUNCIL OF FARMER COOPERATIVES. Things worth knowing about the National Council of Farmer Cooperatives. 23 p. Washington, 1943. 280.29 N21T
- 22890 NORMANO, J. F., and GERBI, ANTONELLO. The Japanese in South America; an introductory survey with special reference to Peru. 135 p. N. Y., Day, 1943. Ref., p. 127-130. 280.16 N78J  
Issued under the auspices of the International Secretariat, Institute of Pacific Relations; Latin American Economic Institute cooperating.  
Includes agriculture, land ownership, and colonization of the Japanese.
- 22891 PAN AMERICAN UNION. GOVERNING BOARD. EXECUTIVE COMMITTEE ON POST-WAR PROBLEMS. Recent trends in inter-American economic cooperation. 42 p. Washington, 1943. 150.91 R24
- 22892 PREWETT, VIRGINIA. The Americas and tomorrow. 292 p. Phila., Blakiston, 1944. 280.16 P92  
Includes information on agriculture and agricultural products of Latin America.
- 22893 REUNIÓN DE PROFESORES UNIVERSITARIOS ESPAÑOLES EMIGRADOS. 1ST, 1943. Libro. 269 p. Habana, 1944. 280.176 R31  
Partial contents: Normas que inspiran nuestra economía social, by Fernando de los Ríos, p. 105-107; El problema agrario, by Fernando de los Ríos, p. 123-127; Alimentación y vivienda, by Augusto Pí Suñer, p. 141-157; Reconstrucción, planificación y progreso económico, by José de Benito and Julián Alienes, p. 171-176.
- 22894 TWENTIETH CENTURY FUND. HOUSING COMMITTEE. American housing, problems and prospects. The factual findings, by M. L. Colean; The program, by The Housing Committee. 466 p. N. Y., 1944. Ref., p. 441-455. 296.2 T91A  
The Committee's recommendations included land utilization and provisions for rural and farm housing.
- 22895 U. S. CONGRESS. HOUSE. COMMITTEE ON FOREIGN AFFAIRS. Extension of Lend-Lease Act. Hearings... 78th Cong., 2d sess., of H. R. 4254. 281 p. Washington, U. S. Govt. Print. Off., 1944.  
Includes information of Lend-Lease operations in food and agricultural products.
- 22896 U. S. CONGRESS. HOUSE. COMMITTEE ON INSULAR AFFAIRS. Investigation of political, economic, and social conditions in Puerto Rico. Appendix to hearings... 78th Cong., 1st sess., pursuant to H. Res. 159; exhibits pertaining to testimony appearing in Pts. 1 to 14, inclusive... of the Committee hearings. 538 p. Washington, U. S. Govt. Print. Off., 1944.  
Includes information on agricultural conditions, food supplies and distribution, land-tenure characteristics, marketing and prices of sugarcane, agricultural laborers and their wages, etc.

22897 U. S. CONGRESS. HOUSE. COMMITTEE ON PUBLIC BUILDINGS AND GROUNDS. Post-war planning, No. 2. Hearings... 78th Cong., 2d sess. 754 p. Washington, U. S. Govt. Print. Off., 1944.  
Includes statement by E. A. O'Neal on post-war planning for agriculture.

22898 U. S. CONGRESS. SENATE. COMMITTEE ON MILITARY AFFAIRS. Scientific and technical mobilization. Hearings... 78th Cong., 1st sess. pursuant to S. Res. 107... and on S. 702... Pt. 8-10, Nov. 8, 24, Dec. 9, 1943, p. 981-1281. Washington, U. S. Govt. Print. Off., 1944.

Pts. 8-10 are monopoly and cartel practices, and deal respectively with universal oil products, tanning materials, and the hormone cartel.

22899 U. S. CONGRESS. SENATE. COMMITTEE ON PUBLIC LANDS AND SURVEYS. Administration of public lands. Hearings... 78th Cong., 1st sess., pursuant to S. Res. 241 (76th Cong.—Extended by S. Res. 39, 78th Cong.)... Pt. 12. Reno, Nev., Nov. 4, 1943. p. 3661-3742. Washington, U. S. Govt. Print. Off., 1944.

#### AGRICULTURAL ENGINEERING

22900 CONCRETE handbook; everything you need to know to make use of this universal building material. 36 p. Chicago, Pop. Mech. Co., 1943. 299 C74  
Includes use in gardens, hotbeds, cold frames, farm constructions, etc.

22901 COOK, G. C. 500... more things to make for farm and home. Vol. 2, 471 p. Danville, Ill., Interstate, 1944. 58 C772F  
Contents: Equipment for the home-farm shop, p. 1-46; Metal work, p. 47-116; Woodworking and farm carpentry, p. 117-370; Farm concrete, p. 371-388; Farm plumbing, p. 389-398; Electricity for the farm, p. 399-430; Handy farm hints, p. 431-466.

22902 GLEASON ALVAREZ, MIGUEL. Maquinaria agrícola. 227 p. México, 1934. (Monografías Industriales del Banco de México, S. A.) 58 G47

22903 MARKWARDT, L. J. Wood as an engineering material. 58 p. Phila., 1943. 99.79 M34  
Reprinted from Amer. Soc. for Testing Mater. Proc., Vol. 43, 1943.  
"Edgar Marburg lecture, 1943."

22904 \*PAVLOV, G. I. Ubozka khlebov [Grain harvesting]. 62 p. Moskva, "Sel'khozgiz," 1943. 58 P28  
Efficient use of machinery and economy in harvesting.

22905 SWITZERLAND. EIDGENÖSSISCHES KRIEGSERNÄHRUNGSAMT. SEKTION FÜR MILCH UND MILCHPRODUKTE. ABC der silo-wirtschaft; die wichtigsten verfahren der silofutterbereitung; der silobau. Verfütterung der silagen. 2. Aufl., 64 p. Bern, 1942. 60.7 Sw6A  
Have also French edition. 60.7 Sw6

22906 TASHKENT. TSENTRAL'NAIA STANTSIIA MEKHANIZATSII I AGROTEKHNIKI KHLOPKOVODSTVA. Mekhanizatsiia poseva khlopchatnika, vneseniia udobrenii i uborki khlopka [The mechanization of the planting, fertilizing and harvesting of cotton]. 156 p. Tashkent, Gosudarstvennoe Sel'skhoziaĭstvennoe Izd. UzSSR, 1940. 58 T18

22907 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Rural electrification. Hearings... 78th Cong., 1st sess. on H. R. 4278... Nov. 11, 1943 and Feb. 11, 1944. 62 p. Washington, U. S. Govt. Print. Off., 1944.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

22908 ALBERTA WHEAT POOL. The story of wheat. 48 p. Calgary, 1944. 280.259 AL13S



22909 ALLPORT, N. L. The chemistry and pharmacy of vegetable drugs. 264 p. London, Newnes, 1943. 396 AL5

22910 ASTBURY, W. T. Textile fibres under the X-rays. 53 p. Birmingham, England, Kynoch, 194-? 304 As8T

Scientific monograph of the Imperial Chemical Industries Limited.

22911 COTTON-TEXTILE INSTITUTE, INC. Cotton from raw material to finished product. Ed. 3, 50 p. N. Y., 1944. 304 C82C

New material on war uses for cotton and war-imposed changes, in production and marketing.

22912 DAIRYMEN'S CO-OPERATIVE SALES ASSOCIATION. Complete summary of sales and other statistical data, year-1943. 18 p., processed. Greenville, Pa., 1944. 280.2449 D14

22913 DÍAZ, M. A. Conservación de papas en almacenes o bodegas. 13 p. Caracas, Venezuela, Ministerio de Agricultura y Cría, 1939. 280.375 D54

22914 FERNÁNDEZ GARCÍA, R. Report on the possibilities of bagasse as paper and rayon pulp raw material. 18 p., processed. San Juan, Puerto Rico Devlpmt.Co., 1943. Ref., p. 16-18. 302 P96

22915 FISHER, W. H. An investigation of the economics of flue-cured tobacco. 133 p., processed. Charlottesville, Va. Univ. Bur. Indus. Res., 1943. Ref., p. 99-102. 281.369 F53

Includes cultivation, prices, and production costs.

22916 HEUSER, EMIL. The chemistry of cellulose. 660 p. N.Y., Wiley, 1944. 387.1 H482C

22917 NUTTING, C. B., and KNUDSON, J. K. Before the Interstate Commerce Commission. Investigation and suspension docket No. 4718. Grain proportionals --ex-charge to Official Territory. Brief of the War Food Administrator and the Dept. of Agriculture, petitioners. 109 p. Washington, U. S. Govt. Print. Off., 1944. Legal Sect.

Fletcher Quillian, Counsel on the brief, and I. M. Herndon and Ralph L. Dewey collaborators.

22918 ORTEGA RUIZ, F. J. El henequén de Yucatán; antecedentes y perspectivas económicas. 129 p. México, Editorial Amér., 1943. (Colección "Nuevos Economistas" IV) Ref., p. 127-129. 73.5 Or8

Includes prices, cost of production, and trade.

22919 \*SCHIEBL, KARL. Wärmewirtschaft in der Zuckerindustrie. 2. völlig neubearb. Aufl., 200 p. Dresden, Steinkopff, 1939. (Wärmelehre und Wärmewirtschaft Bd. 2) 65 Sch32

22920 \*SCHMIDT, ALBRECHT, and FISCHBECK, KURT. Die industrielle chemie in ihrer bedeutung im weltbild und erinnerungen an ihren aufbau. 2. aufl., 826 p. Berlin, de Gruyter, 1943. 388 Sch5

Includes the industrial chemistry of fertilizers, plants, and rubber.

#### ANIMAL INDUSTRY

22921 CALIFORNIA CATTLEMEN'S ASSOCIATION. 27th annual convention; resolutions [Nos. 1-42], San Francisco, Calif., Dec. 8-9, 1943. 43 p., processed. San Francisco? 1944? 43.9 C12

22922 COOKSON, B. M. Dairy cows and their management. 72 p. London, Faber, 1944. 43 C77

22923 FLOREA, J. H. A B C of poultry raising; a complete guide for the beginner or expert. 206 p. N. Y., Greenberg, 1944. 47 F66

22924 LARIN, I. V., ed. Pastbischa dlia ovets v tuzhnoi evropeiskoi chasti SSSR; sbornik rabot po kormodobyvaniu [Pastures for sheep in the southern European part of USSR]. 247 p. Moskva, Sel'khozgiz, 1939. Ref., p. 240-245. 60 L32

22925 MARSDEN, S. J., and MARTIN, J. H. Turkey management. Ed. 2, 752 p. Danville, Ill., Interstate, 1944. 47.5 M35

Ref. at end of most chapters.

22926 RICE, E. C. The national standard squab book... and also Rice's squab primer; how to keep pigeons, how to make them keep you. Ed. 58, 720 p. Melrose, Mass., Squab Pub. Co., 1944. 47.2 R36N

22927 RUNNELLS, R. A. Animal pathology. Ed. 3, 594 p. Ames, Iowa, Col. Press, 1944. 41 R873

22928 SAMPAIO, B. C. Criação de carneiros. 23 p. São Paulo. Secretaria da Agricultura, Indústria e Comércio, Diretoria de Publicidade Agrícola, 1942. 45 Sa4

22929 SEIFFERT, GUSTAV. Virus diseases in man, animal and plant; a survey and reports covering the major research work done during the last decade. 352 p. N. Y., Phil. Libr., 1944. 448 Se45Ae

Translation of his Virus und Viruserkrankheiten bei Menschen, Tieren und Pflanzen. 448 Se43

22930 SILVA, B. B. DA. Aproveitamento racional das forragens na alimentação dos equinos. 142 p. São Paulo. Secretaria da Agricultura, Indústria e Comércio, Diretoria de Publicidade Agrícola, 1943. Ref., p. 141-142. 389.7 S13

22931 U. S. LIVE STOCK SANITARY ASSOC. Report of the Committee on Rabies. 5 p., processed. Washington, 1943. 41 Un324

H. W. Schoening, U. S. Bureau of Animal Industry, Chairman.

"Mimeographed by the U. S. Department of Agriculture for the information of the public, supplementary to the Department's literature on rabies."

#### FOOD AND HUMAN NUTRITION

22932 BOURNE, GEOFFREY. War-time food for mother & child. 78 p. London, Oxford Univ. Press, 1942. 389.1 B663W

22933 ECUADOR. MINISTRO DE PREVISIÓN SOCIAL Y TRABAJO. Documentos anexos al informe que el Ministro de Previsión Social y Trabajo presenta a la Nación, 1943. 98 p. Quito, 1943. 281.9 Ec7

Includes a preliminary report on the use of dried and skimmed milk in the health campaign for El Oro Province. including methods of distribution.

22934 \*RANDOIN, LUCIE, and ROSSIER, ALFRED. Régimes, vitamines et équilibre alimentaire vers une thérapeutique nouvelle. 70 p. Paris, Baillière, 1942. 389.3 R15

22935 \*ZIEGELMAYER, WILHELM. Unsere lebensmittel und ihre veränderungen, mit einer darstellung der lehre von der kochwissenschaft. 3. erweiterte aufl., 420 p. Dresden, Steinkopff, 1942. 389 Z63

#### FORESTRY

22936 GEORGIA HARDWOOD LUMBER CO. Wedge, Sr. 124 p. Augusta, Ga., 1943? 99.76 G292

Consists chiefly of photographs illustrating the Company's organization and operations.

22937 GLATFELTER (P. H.) COMPANY, SPRING GROVE, PA. Forestry and paper; a sequel to a short course in paper making and paper and its performance. 30 p. Spring Grove, Pa., 1943. 99.61 G46

22938 GREAT BRITAIN. FORESTRY COMMISSION. Post-war forest policy, private woodlands; supplementary report. 11 p. London, H. M. Stationery Off., 1944. (8th. Brit. Parliament. Papers by Command, Cmd. 6500.) 99.66 G799Pp

22939 KARUZIN, B. V. Lesnye polezashchitnye polosy i urozhai [Forest shelterbelts and the harvest]. 56 p. Moskva, Goslestakhizdat, 1940. Ref., p. 55-56. 99.36 K14



22940 OREGON. STATE BOARD OF FORESTRY. Forest resources of Oregon. 62 p. Salem, Oreg. State Bd. Forestry, 1943. Ref. 99.61 Or33

Oregon State College School of Forestry and U. S. Forest Service Pacific Northwest Forest and Range Experiment Station cooperating.

22941 REICHSFACHGRUPPE IMKER E. V., BERLIN. Waldbienenweide, forstwirtschaft und naturschutz. 62 p. Leipzig, 1939. (Ich dien! Buchreihen der Reichsfachgruppe Imker E. V., Berlin. Reihe 3, Buch 8) 99.66 B272

Forest management and apiculture.

22942 U. S. OFFICE OF WAR INFORMATION. Radio in the wartime forest fire prevention program for 1944. 8 p., processed. Washington, 1944. 173.4 W19Ra

#### PLANT SCIENCE

22943 ALL-AMERICA ROSE SELECTIONS. 1944 All-America rose selections. 7 p., processed. Harrisburg, Pa., 1944. 80 A156R  
By W. R. Hastings, Chairman.

22944 ALL-AMERICA SELECTIONS. 1944 All-America flower selections. 2 p., processed. Harrisburg, Pa., 1944. 80 A156  
By W. R. Hastings, Chairman.

22945 ALL-AMERICA SELECTIONS. 1944 All-America vegetable selections. 3 p., processed. Harrisburg, Pa., 1944. 80 A156V  
By W. R. Hastings, Chairman.

22946 AMERICAN PHYTOPATHOLOGICAL SOCIETY. WAR EMERGENCY COMMITTEE. MARKET PATHOLOGY SUB-COMMITTEE. Market diseases of fruits and vegetables. Bibliography. 12 p., processed. n.p., 1944. 241.752 Am3

22947 BRENTZEL, W. E. A course in plant diseases (plant pathology). 82 p., processed. Fargo, N. Dak. Agr. Col., Dept. Corresp. Study, 1943. (Supervised Corresp. Study Ser.) 464 B75

A State project for equality in high school education.

22948 DANIELS, F. P. Live at home and like it. 116 p. Long Lake, Minn., Minnetonka Pub. Co., 1943. 90 D22

Gardener's questions answered as they apply to Midwest conditions, on the why and how of plants, ornamental horticulture, and fruit and vegetable growing.

22949 DEMPSEY, P. W. Grow your own vegetables. Rev. ed., 220 p. Boston, Houghton, 1944. 91.15 D39

22950 FERGUS, E. M., HAMMONDS, CARSIE, and ROGERS, HAYDEN. Southern field crops management. Ed. by R. W. Gregory. 725 p. Chicago, Lippincott, 1944. 64 F388

Ref. at end of chapters, except two.

22951 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. "Dig for Victory" campaign. Brief, literature, posters etc. for Mr. Claude R. Wickard... from... R. S. Hudson... Minister of Agriculture and Fisheries. 83 pieces in portfolio. London, 1943. 91.15 G79

22952 GRITSSENKO, T. G. Semenovodstvo liutserny v polivnykh khlopkovykh raionakh respublik Srednei Azii [Alfalfa seed cultivation in the irrigated cotton regions of the republics of Central Asia]. 81 p. Tashkent, Gosudarstvennoe Sel'skokhoziaistvennoe Izd. UzSSR, 1940. 60.3 G882S

22953 HAVASS, GÉZA. A szilva eredete. Gyümölcsfa-mutáció (The origin of *Prunus domestica* L.-Fruit-tree mutation). 33 p. Szeged, István, 1940. 463.63 H29

English summary.

22954 JACK, WALTER. The apple. 64 p. Gesport, N. Y., Friend Mfg. Co., 1944. 93.31 J12

22955 MOKEEVA, E. A. Biologo-anatomicheskoe issledovanie liutserny (*Medicago sativa* L.) [Biological-anatomic investigation of alfalfa]. 123 p. Tashkent, Gosudarstvennoe Sel'skokhoziaistvennoe Izd. UzSSR, 1940. Ref., p. 120-122. 463.5 M722

22956 NATIONAL VICTORY GARDEN INSTITUTE. Industry digs in. 15 p. N. Y., 1944? 91.15 N213I  
How the Institute helped to mobilize a great volunteer gardening movement.

22957 NAVARRE, SPAIN. DIRECCIÓN DE AGRICULTURA Y GANADERÍA. La sanidad de los árboles frutales. 23 p. Pamplona, Aramburu, 1940. 464.4 N224

22958 NEW YORK TIMES. Guide to better gardening. 32 p. N. Y., 1943. 90 N483

Partial contents: Selecting vegetables to fit your garden, by F. F. Rockwell, p. 5-7; Planning the home garden, by J. H. Beale, p. 8-10; Preparing the soil, by T. H. Everett, p. 11-12; Planting and transplanting, by T. H. Everett, p. 12-14; Fruits for home gardens, by G. H. Gillies, p. 15-17; Controlling vegetable pests, by C. Westcott, p. 18-22; Home canning, by E. C. Grayson, p. 23-26; Storage of fruits and vegetables, by J. B. Jack, p. 27, 45; Roses, by R. C. Allen, p. 46-47; Chrysanthemums, by H. V. P. Wilson, p. 48-49; Design in flower arrangement, by L. Norstadt, p. 50-51.

22959 NIVEN, L. A. The Niven garden book, a monthly guide to home gardening in Southern States. 114 p. Raleigh, Prog. Farmer-Ruralist Co., 1943. 91.15 N64

22960 OLSON, C. M. Our beautiful yard. 60 p. Gainesville, Fla. Curriculum Lab., Col. of Ed., 1943. 97 OL8

University of Florida project in applied economics. Written for children.

22961 ROCKWELL, F. F., and others, ed. 10,000 garden questions answered by 15 experts, with 400 illustrations and temperature and planting maps. 1467p. Garden City, N. Y., Doubleday, 1944. 90.02 R59

Montague Free, T. H. Everett, and E. C. Grayson, associate editors.

22962 TURGAY, NIZAMETTIN. Zeytinciye bilgileri [Olive culture]. 20 p. Ankara, Zeytin Bakım İşleri, 1940. 94.7 T84

22963 WILLIAMS, T. A. The old dirt dobber's garden book. New and enlarged ed., 309 p. N. Y., McBride, 1944. 90.3 W67

#### SOILS AND FERTILIZERS

22964 ALGERIA. SERVICE DES IRRIGATIONS. Fonctionnement du Service des Irrigations en 1940. 30 p. Alger, 1942. 55.9 AL32

Includes folded maps.

22965 ALGERIA. SERVICE DES IRRIGATIONS. COMITÉ CONSULTATIF DES IRRIGATIONS. Activité du Comité consultatif des irrigations du 1<sup>er</sup> Juin 1937 au 1<sup>er</sup> Juin 1940. 397 p. 1941. 55.9 AL3

22966 GUSTAFSON, A. F. Handbook of fertilizers; their sources, make-up, effects, and use. Ed. 4, 172 p. N. Y., Orange Judd, 1944. 57 G97

22967 STETS, V. M., and CHURLIAEV, A. D. Gorizontal'nafá planirovka polei. [Horizontal field leveling]. 64 p. Tashkent, Sel'khozgiz UzSSR, 1940. 54 St42

#### MISCELLANEOUS

22968 AMERICAN COUNCIL OF COMMERCIAL LABORATORIES. Directory... a guide to the leading independent, testing, research and inspection laboratories of America. 32 p. N. Y., 1943? 225 Am372



22968 CONOVER, H. F. Soviet Russia: a selected list of references. 89 p., processed. Washington, U. S. Libr. of Cong., Div. of Bibliog., 1943. 241.91 Un31

Contains a section on agriculture.

22970 CURTIS PUBLISHING COMPANY. RESEARCH DEPT. Business looks to the future; a survey of post-war planning. 29 p. Phila., 1944. 280.12 C94  
Brief reference to food manufacturers.

22971 EVEROTE, W. P. Agricultural science to serve youth; outcomes of a course in experimental science for secondary-school students. 79 p. N. Y., Columbia Univ. Teachers Col. Bur. Pubs., 1943. Ref., p. 78-79. (Columbia Univ. Teachers Col. Contrib. to Ed. 901) 275.1 Ev2

22972 PHILLIPS, H. C. Agricultural science for southern elementary schools. Pt. II. p. 140-194, processed. Clarkeville, Tenn., H. C. Phillips, 1943. 30.2 P542

Ref. at end of chapters.

Contents: Chs. XVI. Water and the farmer, p. 140-145; XVII. Electricity, p. 146-150; XVIII. Beautifying the home grounds, p. 151-156; XIX. Insect enemies, p. 157-170; XX. The home orchard, p. 171-181; XXI. The home garden, p. 182-194.

22973 POLLAN, A. A. The United Fruit Company and Middle America. Foreword by H. A. Wallace. 27p. N. Y., New School for Social Res., 1944. 38 P76

22974 ROZHDESTVENS'KIĭ, V. S., and VASIL'EV, A. P. Atlas bakterii (Atlas of bacteria). 172 p. Kii, Akademika Nauk, URSR, 1940. 448.2 R81

Text in Ukrainian, Russian, and English.

22975 SÃO PAULO (STATE), BRAZIL. SECRETARIA DA AGRICULTURA, INDUSTRIA E COMERCIO. DIRECTORIA DE PUBLICIDADE AGRÍCOLA. O Valle do Parahyba. 158 p. São Paulo, 1940. 31.9 Sa63V

A compilation of articles on the agriculture and animal industry of the regions. A brief account of Cunha is appended.

22976 SCHMIDT, C. B., and REIS, JOSÉ. Rasgando horizontes; a Secretaria da Agricultura no seu cinquentenário. 420 p. São Paulo. Secretaria da Agricultura, Indústria e Comércio, Diretoria de Publicidade Agrícola, 1943. 31.9 Sa64

Activities of the various agencies of the Department of Agriculture of the State of São Paulo.

22977 STROHM, J. L. "I lived with Latin Americans." 377 p. Danville, Ill., Interstate, 1943. 125 St8

Many references to agriculture and agricultural products.

22978 U. S. LIBRARY OF CONGRESS. LEGISLATIVE REFERENCE SERVICE. Bibliographies of the world at war. 4 nos., processed. Washington, 1943. 241.3 Un312

No. I, Political developments and the war. Sup. 2 (Jan.-Mar. 1943); No. II, Agriculture in a war economy. Sup. 1-2 (Apr. 1942-May 1943); No. VI, Economics of war. Sup. 2 (Jan. -May 1943).

22979 WEND, MILTON. How to live in the country without farming: planning and establishing a productive country home. 316 p. Garden City, N. Y., Doubleday, 1944. 31.3 W48

Ref. at end of chapters.

Chiefly concerned with the productive home type of country living, and not with commercial agriculture.



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 22980 ANDERSON, EDGAR. Mass collections. Chron. Bot. 7: 378-380. Dec. 1943. 450 046  
Their use in herbaria and in the study of taxonomy, nomenclature, and biological problems.
- 22981 CAIN, S. A. Size-frequency characteristics of *Abies fraseri* pollen as influenced by different methods of preparation. Amer. Midland Nat. 31: 232-236. Jan. 1944. 410 M58  
Preparation of fresh and fossil pollen.
- 22982 CASTETTER, E. F. The domain of ethnobiology. Amer. Nat. 78: 158-170. Mar./Apr. 1944. 470 Am36
- 22983 \*CEYLON DEPARTMENT OF AGRICULTURE. English and vernacular names of food crops and vegetables. Ceylon. Dept. Agr. Leaflet 196 (Food Prod. Leaflet 17), 2 p. Colombo, 1942. 22.5 C33L
- 22984 CHAIN, E., and FLOREY, H. W. Penicillin. Endeavour 3(9): 3-14. Jan. 1944. 472 En2  
Development of the use in medicine of penicillin and other substances produced by micro-organisms.
- 22985 COCHRAN, W. G. Some developments in statistics. Chron. Bot. 7: 383-386. Dec. 1943. 450 046  
Application of statistical methods to botany.
- 22986 \*\*COCKERELL, T. D. A. Kate Olivia Sessions and California floriculture. Bios 14(4): 167-179. 1943.  
Abs. in Biol. Abs. 18: 3993. Mar. 1944. 442.8 B526
- 22987 DADE, H. A. Colour terminology in biology. Imp. Mycol. Inst. Kew. Mycol. Papers, No. 6, 25 p. Rev. 1943. 334.2 M2
- 22988 FITZPATRICK, H. M. A bibliographical study of the *Icones pictae specierum rariorum fungorum* of Christian Hendrik Persoon. Mycologia 36: 177-187. Mar./Apr. 1944. 450 M99
- 22989 GLEASON, H. A. Percy Wilson -- an appreciation. N. Y. Bot. Gard. Jour. 45: 49-53. Mar. 1944. 451 M48J
- 22990 GROSVENOR, GILBERT. The National Geographic Society's interest in useful plants. Herbarist, No. 10, p. 10-12. 1944. 80 H41
- 22991 HAGELSTEIN, ROBERT. William Codman Sturgis. Mycologia 36: 123-124. Mar./Apr. 1944. 450 M99
- 22992 HARRIS, T. M. The fossil conifer *Elatides williamsonii*. Ann. Bot. [London] (n. s.) 7: 325-339. Oct. 1943. 450 An7
- 22993 HODGE, W. H. A botanist's Dominica diary. II. Off the beaten path. Sci. Monthly 58: 281-291. Apr. 1944. 470 Sci23
- 22994 HOEHNE, F. C. Plantas que a seca não mata e que, mortas, ainda ressurgem. São Paulo (State) Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 79-82. 1943. 31.9 Sa63
- 22995 LEGRAND, DINGO. Herbarios del Uruguay. Chron. Bot. 7: 435-436. Dec. 1943. 450 046
- 22996 \*LEWIS, FRITZ. Wenn es keine Bienen gäbe. Inkerpraxis 65: 28-29. May 1943. 424.5 B34  
The work of bees in pollination.
- 22997 LEWIS, D., and LA COUR, L. F. Collection of pollen and artificial wind pollination. Nature [London], 153: 167-168. Feb. 5, 1944. 472 N21
- 22998 MARCHIONATTO, J. B. La contribución de Carlos Spegazzini a la fitopatología Argentina. La Plata. Univ. Nac. Facult. de Agron. Rev. 25: 11-20. Dec. 29, 1943. 9 R32
- 22999 MILLE, PADRE LUIS. Un paseo botánico efectuado en 1935 por los parques de Guayaquil. Flora [Quito] 3(7/8-9/10): 58-64. Dec. 1943. 450 F662
- 23000 NATIONAL SHADE TREE CONFERENCE, and NATIONAL ARBORIST ASSOCIATION. Transplanting of trees and shrubs in the northeastern and north central United States. Natl. Shade Tree Conf. Proc. (1943) 19: 70-146. 99.9 N218  
Prepared for U. S. Army, Camouflage Branch, Engineer Board.
- 23001 RECORD, S. J. Random observations on tropical-American timbers. Yale Univ., School Forestry Trop. Woods, No. 77, p. 1-10. Mar. 1, 1944. 99.08 Y1Tr
- 23002 RIMBACH, AUGUSTO. La planta: un organismo económico. Chacra 14(160): 29, 66, 68. Feb. 1944. 9 C34  
Study of plant growth and conservation of species.
- 23003 ROUSSEAU, JACQUES. "Plants and civilization." (Abs.) Roy. Canad. Inst. Proc. Ser. III A (1942/43) 8: 43-44. 517 T63P  
The effect of crops upon history.
- 23004 SINGLER, H. R. A water plant census technique. Chron. Bot. 7: 416-417. Dec. 1943. 450 046
- 23005 SORIANO, SANTOS. Aislamiento de las bacterias de la nitrificación. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/1941: 79-95. 1942. 389.9 Ar3Pu
- 23006 SPOHR, H. A. Division of plant biology. Carnegie Inst. Wash., Yearbook (1942/43) No. 42, p. 71-104. 1943. 500 C21
- 23007 TEIXEIRA, CARLOS. Mariopteris do carbonífero português. Soc. Portug. des Sci. Nat. Bul. 13: 31-38. Apr. 1939. 506 Sol
- 23008 WALTON, JOHN. On *Cardiopteridium*, a genus of fossil plants of Lower Carboniferous age, with special reference to Scottish specimens. Roy. Soc. Edinb. Proc., Sect. B, Biol. 61: 59-66. 1941. 501 Ed4P

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 23009 ÅBERG, EWERT. Problems in the classification of cultivated plants. Chron. Bot. 7: 375-378. Dec. 1943. 450 046
- 23010 ACOSTA SOLÍS, M. Anotaciones sobre la vegetación del norte de Quito. Flora [Quito] 3(7/8-9/10): 83-115. Dec. 1943. 450 F662
- 23011 BEETLE, A. A. Specific decapitalization. Chron. Bot. 7: 380-381. Dec. 1943. 450 046
- 23012 EGLER, F. E. The fructus and the fruit. Chron. Bot. 7: 391-395. Dec. 1943. 450 046  
Present-day usage of terms and proposed definitions.
- 23013 FOSSBERG, F. R. Proposal to conserve *Schizaea*. Chron. Bot. 7: 395. Dec. 1943. 450 046  
Proposal that *Schizaea* J. E. Smith be added to the list of *Nomina Generica Conservanda*, as provided by the International Rules for Botanical Nomenclature, and that *Lophidium* Richard be rejected.
- 23014 GATES, F. C. Kansas botanical notes, 1942. Kans. Acad. Sci. Trans. (1943) 46: 100-101. 500 K13T



23015 HOWELL, J. T. An enumeration of Norden plants. Sierra Club Nature Notes, No. 12, 35 p., processed. Nov. 18, 1943. 500 Sa53S

In the vicinity of Donner Pass, Sierra Nevada, Calif.

23016 MELVILLE, R. The British elm flora. Nature [London] 153: 198. Feb. 12, 1944. 472 N21  
Discussion of elm hybrids.

23017 MOLDENKE, H. N. A contribution to our knowledge of the wild and cultivated flora of Ohio. I. Castanea 9: 1-80. Jan./Feb./Mar. 1944. 450 So82

23018 MORTON, C. V. Taxonomic studies of tropical American plants. U. S. Natl. Mus. Contrib. U. S. Natl. Herbarium 29: 1-86. 1944. 450 C76

23019 SIMPSON, G., and THOMSON, J. S. Notes on some New Zealand plants and descriptions of new species. (Cont.) Roy. Soc. New Zeal. Trans. and Proc. 73: 155-171. Dec. 1943. 514 W46

23020 STANDLEY, P. C., and STEYERMARK, J. A. Studies of Central American plants - V. Field Mus. Nat. Hist., Chicago Bot. Ser. 23: 111-150. Mar. 24, 1944. 500 C432B

23021 \*\*THIRUPMALACHAR, M. J., BASHEER AHMED KHAN, K., and SWAMY, B. G. L. Some common flowering plants of Nandi Hills [India]. Half-Yearly Jour. Mysore Univ. Sect. B. 3(1): 73-88. 1942. Abs. in Biol. Abs. 18: 5161. Mar. 1944. 442.8 B526

23022 VARGAS C., CÉSAR. "Caja de Montana" una formación fitogeográfica de los Andes orientales del Perú. Chron. Bot. 7: 422. Dec. 1943. 450 C46

23023 WALKER, E. H. The importance of lists of exsiccatae in taxonomic revisions. Chron. Bot. 7: 423-424. Dec. 1943. 450 C46

23024 WYNN, F. E. Methods of reporting plant distribution data. Chron. Bot. 7: 426-428. Dec. 1943. 450 C46

23025 YUNCKER, T. G. The flora of Niue Island. Bernice P. Bishop Mus. Bul. 178, 126 p. Honolulu, 1943. 500 B45

#### Spermatophytes

23026 ANDERSON, EDGAR The seeds of Tradescantia micrantha. Mo. Bot. Gard. Ann. 30: 69. Feb. 1943. 451 M69

23027 BEARD, J. S. Provisional list of trees and shrubs of the Lesser Antilles. U. S. Forest Serv. Caribbean Forester 5: 48-67, processed. Jan. 1944. 1.9622 T2C23

23028 BURBANCK, M. P. Cytological and taxonomic studies in the genus Brodiaea. II. Bot. Gaz. 105: 339-345. Mar. 1944. 450 B652

Includes further observations on Brodiaea, Dichlostemma, and Tritoleia.

23029 BUTKOV, A. I. A. Floristicheskie zametki (Études floristiques). Bot. Zhurn. S. S. S. R. (Jour. Bot. de l'U. R. S. S.) 28: 242-245. 1943. 451 R923

I. Le genre de Pentatherum Nábšlec en Ouzbekistan. II. Sur les espèces du genre Agrostis L. en Asia Centrale.

23030 CROIZAT, LEON. New Euphorbiaceae from the island of Mauritius. Yale Univ., School Forestry Trop. Woods, No. 77, p. 13-18. Mar. 1, 1944. 99.08 Y1Tr

23031 CRONQUIST, ARTHUR. Studies in the Simaroubaceae, I. The genus Castela. Arnold Arboretum Jour. 25: 122-128. Jan. 1944. 451 Ar6J

23032 ERICKSON, R. O. Population size and geographical distribution of Clematis fremontii var. riehlit. Mo. Bot. Gard. Ann. 30: 63-68. Feb. 1943. 451 M69

23033 ERICKSON, R. O. Taxonomy of Clematis section Viorna. Mo. Bot. Gard. Ann. 30: 1-62. Feb. 1943. 451 M69

23034 \*IL'IN, M. M. O novom vide, Halimocnemis aequipila Iljin (De specie nova, Halimocnemis aequipila Iljin). Bot. Zhurn. S. S. S. R. (Jour. Bot. de l'U. R. S. S.) 28: 246-247. 1943. 451 R923

23035 JOHNSTON, I. M. Plants of Coahuila, eastern Chihuahua, and adjoining Zacatecas and Durango, III. Arnold Arboretum Jour. 25: 43-83. Jan. 1944. 451 Ar6J

23036 JONES, G. N. Luzula saltuensis in Illinois. Amer. Midland Nat. 31: 251. Jan. 1944. 410 M58

23037 LI, H. L. Studies in the Melastomataceae of China. Arnold Arboretum Jour. 25: 1-42. Jan. 1944. 451 Ar6J

23038 \*MAIA, L. DE O. Le grain de pollen dans l'identification et la classification des plantes. I. Soc. Portug. des Sci. Nat. Bul. 13: 135-147. Jan. 1941. 506 Sol

I. Sur la position systématique du genre Allium.

23039 MONACHINO, JOSEPH. A Colombian species of Sterigmataleum. Yale Univ., School Forestry Trop. Woods, No. 77, p. 10-12. Mar. 1, 1944. 99.08 Y1Tr  
S. colombianum, n. sp.

23040 PALMER, E. J. The species concept in Crataegus. Chron. Bot. 7: 373-375. Dec. 1943. 450 C46

23041 REHDER, ALFRED, and DAYTON, W. A. A new combination in Asimina [A. pulchella]. Arnold Arboretum Jour. 25: 84. Jan. 1944. 451 Ar6J

23042 REHDER, ALFRED. Schisandra Michaux, nomen genericum conservandum. Arnold Arboretum Jour. 25: 129-131. Jan. 1944. 451 Ar6J

23043 SANTOS, J. V. The Philippine, Chinese, and Indo-Chinese species of the grass genus Cernotia Brongniart. Arnold Arboretum Jour. 25: 85-96. Jan. 1944. 451 Ar6J

23044 SCHMUCKER, THEODORE. La distribution des espèces arborescentes de la zone septentrionale tempérée. Silvae Orbis, No. 4, 156 p. Berlin-Wannsee, 1942. 506 S13

Text in French, German, English, Spanish, and Italian.

23045 SMITH, A. C. Studies of Papuan plants. VI. Arnold Arboretum Jour. 25: 104-121. Jan. 1944. 451 Ar6J

Sericolea, Aceratium.

23046 SPRAGUE, T. A. The generic name Stenocactus Berger. Chron. Bot. 7: 428. Dec. 1943. 450 C46

23047 WHERRY, E. T. The minor genus Polemoniella. Amer. Midland Nat. 31: 211-215. Jan. 1944. 410 M58

23048 WHERRY, E. T. Review of the genera Collochia and Gymnosteris. Amer. Midland Nat. 31: 216-231. Jan. 1944. 410 M58

23049 WOODSON, R. E., JR., and SCHERY, R. W. Contributions toward a flora of Panama. VII. Miscellaneous collections, chiefly by H. von Wedel, in Bocas del Toro. Mo. Bot. Gard. Ann. 30: 83-96. Feb. 1943. 451 M69

23050 WOODSON, R. E., JR., SCHERY, R. W., and collaborators. Flora of Panama, Pt. II, Fascicle 3 (Araceae-Pontederiaceae). Mo. Bot. Gard. Ann. 31: 1-172. Feb. 1944. 451 M69

Araceae, by P. C. Standley; Eriocaulaceae, by H. N. Moldenke; Bromeliaceae, by L. B. Smith.

23051 ZOTOV, V. D. Certain changes in the nomenclature of New Zealand species of Gramineae. Roy. Soc. New Zeal. Trans. and Proc. 73: 233-238. Dec. 1943. Ref., p. 237-238. 514 W46



Pteridophytes

- 23052 CHRISTENSEN, CARL. A revision of the Pteridophyta of Samoa. Bernice P. Bishop Mus. Bul. 177, 138 p. Honolulu, 1943. 500 B45B  
Selaginella, by A. H. G. Alston.

Bryophytes

- 23053 \*CHOPRA, R. S. A census of Indian hepatics. Indian Bot. Soc. Jour. 22: 237-259. Dec. 1943. 450 J821

Algae

- 23054 CATALDI, M. S. Aislamiento en cultivo puro de cianofíceas y algas monocelulares. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 108-119. 1942. 389.9 Ar3Pu  
23055 \*CUNHA, A. G. DA. Additions à la flore charologique du Portugal. Soc. Portug. des Sci. Nat. Bul. 13: 153-156. Feb. 1941. 506 Sol  
23056 CUNHA, A. G. DA. Sur la flore charologique des îles Açoréennes. Soc. Portug. des Sci. Nat. Bul. 13: 67-70. Dec. 1939. 506 Sol  
23057 FRENGUELLI, JOAQUIN. Diatomeas de las Orcadas del Sur. La Plata. Univ. Nac. Mus. Rev. (n.s.) Secc. Bot. 5: 221-265. 1943. 516 L31Rb  
Contribución al conocimiento de las diatomeas argentinas, XVIII.

Fungi (Including Lichens)

- 23058 COOK, W. R. I., and CLEAL, B. The life-history of an organism causing hypertrophy of the leaf bases of *Triglochin maritima*. Ann. Bot. [London] (n. s.) 7: 347-355. Oct. 1943. 450 An7  
Plasmodiophora triglochinis.  
23059 COOKE, W. B. Notes on the ecology of the fungi of Mount Shasta. Amer. Midland Nat. 31: 237-249. Jan. 1944. 410 M58  
23060 \*CUNHA, A. G. DA. Sur l'existence de *Synchytrium papillatum* Farlow au Portugal. Soc. Portug. des Sci. Nat. Bul. 13: 169-171. Mar. 1941. 506 Sol  
23061 DODGE, B. O. Boxwood blights and *Hyponectria buxi*. Mycologia 36: 215-222. Mar./Apr. 1944. 450 M99  
23062 DRECHSLER, CHARLES. Three hyphomycetes that capture nematodes in adhesive networks. Mycologia 36: 138-171. Mar./Apr. 1944. 450 M99  
Arthrobotrys cladodes var. macroides, A. arthrobotryoides, and Dactylaria psychrophila, n.sp.  
23063 EMMONS, C. W. Allescheria boydii and Monosporium apiospermum. Mycologia 36: 188-193. Mar./Apr. 1944. 450 M99  
23064 PADWICK, G. W., and MERH, J. L. Notes on Indian fungi. I. Imp. Mycol. Inst. Kew. Mycol. Papers, No. 7, 7 p. Kew, 1943. 462.16 P13  
23065 RAY, W. W. Notes on Oklahoma Cercosporae. III. Mycologia 36: 172-176. Mar./Apr. 1944. 450 M99  
23066 SMITH, A. H. Fungi of Southern California. II. Mycologia 36: 125-137. Mar./Apr. 1944. 450 M99  
Treats of eight species of the Agaricaceae, four of them new.  
23067 SORIANO, SANTOS. Sobre la presencia del *Azotobacter agilis* en Norte y Sud America. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/1941: 66-78. 1942. 389.9 Ar3Pu  
23068 \*TAVARES, CARLOS. Notes lichenologiques, I-II. Soc. Portug. des Sci. Nat. Bul. 13: 53-60, 157-167. Dec. 1939, Feb. 1941. 506 Sol

PLANT PATHOLOGYGeneral

- 23069 ALLEN, R. C. Don't let rose troubles get you down. Home Gard. 3(4): 20-21. Apr. 1944. 80 H756  
23070 ALTSTATT, G. E. Onion "blight" in the coastal bend (Robstown) area of Texas. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 199-201, processed. Mar. 15, 1944. 1.9 P69P  
Cause not definitely known.  
23071 \*ANERUD, KNUT. Åtgärder mot potatisblad-mögel och potatisens virussjukdomar. Stiftelse Svenska Lantbruksveckan Handl. (1943) 32: 54-64. 11 Sw34  
Methods of control of late blight and virus diseases of potato.  
23072 BOYLE, L. W. Storage diseases of potatoes in Oregon. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 155-156, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P  
23073 BRETZ, T. W. Diseases of fruit trees in Missouri nurseries. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 112-113, processed. Feb. 1, 1944. 1.9 P69P  
23074 CASSELL, R. C. Diseases reported on stored fruits and vegetables in Massachusetts. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 101-102, processed. Feb. 1, 1944. 1.9 P69P  
23075 CHILDS, LEROY. Spray practices and problems of the immediate future. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 74-78. 81 Or32  
23076 COMAR, C. L., and BARR, C. G. Evaluation of foliage injury and water loss in connection with use of wax and oil emulsions. Plant Physiol. 19: 90-104. Jan. 1944. Ref. p. 103-104. 450 P629  
23077 CORDY, C. B. Observations of buckskin disease of cherry. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 91-92. 81 Or32  
23078 COSTA, A. S. Qualitative studies with carborundum and its use in local-lesion tests. Phytopathology 34: 288-300. Mar. 1944. 464.8 P56  
23079 FAWCETT, H. S., PERRY, J. C., and JOHNSTON, J. C. The stubborn disease of citrus. Calif. Citrog. 29: 146-147. Apr. 1944. 89 C125  
Also in Citrus Leaves 24(4): 8-9. Apr. 1944, with title: Stubborn Disease of Oranges. 80 C492  
23080 FELT, E. P. Delayed winter injury. Natl. Shade Tree Conf. Proc. (1943) 19: 19-22. 99.9 N218  
23081 FLETCHER, D. G. Barberry bushes destroyed [to control black stem rust of grain]. Markets 12 (6): 4. Mar. 23, 1944. 280.38 M343  
23082 FLETCHER, D. G. Destruction of barberry bushes effective--rust-resistant grains pay. Markets 12(8): 6. Apr. 6, 1944. 280.38 M343  
23083 FRASER, H. Hygiene in the fruit garden. Spring and summer spraying to control diseases and pests. Gard. Illus. 64: 314. Apr. 1944. 80 G169  
23084 HAAS, A. R. C., KLOTZ, L. J., and JOHNSTON, J. C. Acorn disease in oranges. Calif. Citrog. 29: 148, 168-169. Apr. 1944. 80 C125  
Also in Citrus Leaves 24(4): 10-11. Apr. 1944, with title: Others Call It Acorn Disease. 80 C492  
23085 HOCKEY, J. F. Disease control in our crop production programmes. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 32-33, 35-37. Dec. 1943. 82 N85  
23086 HONEY, E. E. Tree diseases observed in Wisconsin. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 172-180, processed. Mar. 15, 1944. 1.9 P69P



23087 HOYMAN, W. G. Condition of the citrus groves in the Salt River Valley, Phoenix, Arizona. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 163-164, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

Survey of fungus and deficiency diseases, mainly.

23088 HYRE, R. A. Diseases of solanaceous crops in southern Florida. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 117-119, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23089 KENYONIGHT, GLENN, and BLODGETT, E. C. Diseases of vegetable crops in Idaho in 1943. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 191-198, processed. Mar. 15, 1944. 1.9 P 69P

23090 \*LIESE. Bemerkenswerte krankheiten der waldbäume norddeutschlands im frühjahr 1943. Deut. Forstwirt 25: 257-258. July 30, 1943. 99.8 D483

23091 \*LIHNELL, DANIEL. De viktigaste potatisviroserna; symptom, spridning och betydelse. Stiftelse Svenska Lantbruksveckan Handl. (1943) 32: 303-309. 11 Sw34

The most important potato virus; its symptoms, spread of infection and importance.

23092 MCLAUGHLIN, J. H. Southern Cooperative Corn Disease Research Committee progress report for 1943. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 64-76, processed. Feb. 1, 1944. 1.9 P69P

23093 MCNEW, G. L. The effect of weather on response of sweet corn to different seed treatments. Canner 98(18): 16, 18, 30, 32. Apr. 1, 1944. 286.83 C16

23094 MCWHORTER, O. T. More certified strawberry planting stock needed. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 73-74. 81 Or32

Stock resistant to yellows disease.

23095 MASSEY, L. M. Meeting shortages of spray materials. Amer. Rose Mag. 5: 154. Mar./Apr. 1944. 80 Am327A

23096 MILLER, H. J. Laboratory and field studies on the retention and control of certain protective copper fungicides. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 167-172, processed. 1943. 241.8 P38

23097 OSBORN, S. B. Rose diseases affecting foliage. Calif. Gard. 35(1): 7. Apr. 1944. 80 C127

23098 \*PLASS, HANS. Zur pathologie der dia-tomeenplastiden. II. Aufquellung durch ammoniak. Protoplasma 37: 189-212. 1943. Ref., p. 211-212. 442.8 P94

23099 PUDRICIÓN parda de las frutas cítricas. Union Agr. del Sur 1(4/5): 45-47. May 1943. 9.3 Un3

23100 SCHOFIELD, M. Ergot and "bloody" bread. Food Manufacture 19: 99-100. Mar. 1, 1944. 389.8 F736

Claviceps purpurea and Bacillus prodigiosus on rye.

23101 SUIT, R. F. Small fruit diseases. Rural New-Yorker 103: 190-191. Apr. 1, 1944. 6 R88

23102 TYLER, L. J. Vegetable storage diseases in New York. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 143-155, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23103 VEGA Riset, EUGENIO. La gomosia de las plantas. Vinos, Viñas y Frutas 39: 262. Jan. 1944. 9 Ag89

23104 WALLINGFORD, V. H., HOMEYER, A. H., and GRONEMEYER, H. B. Inoculation of media for mold culture. Science 99: 266. Mar. 31, 1944. 470 Sc12

23105 WATSON, R. D. Ozone as a fungicide. Cornell Univ. Abs. of Theses 1942: 396-399. 1943. 241.8 C81

23106 WEBBER, H. J. The "tristeza" disease of sour-orange rootstock. Amer. Soc. Hort. Sci. Proc. 43: 160-168. Nov. 1943. 81 Sol2

Also Portuguese translation in Biológico 9: 345-355. Oct. 1943. 442.8 B529

23107 WILCOX, R. B. The first test of fermate, a new fungicide, on cranberries. Amer. Cranberry Growers' Assoc. Proc. Ann. Mtg. (1944) 74: 18-23. 81 Am35M

23108 WILSON, J. D. Vegetable disease control under wartime conditions. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 55-68. 75.9 Oh3

23109 \*ZYCHA, H. Die buchenrindenfäule. Deut. Forstwirt 25: 265-266. Aug. 6, 1943. 99.8 D483

#### Diseases Caused by Fungi

23110 ANDREWS, E. A. The pathogenicity of a nonsporulating basidiomycete on grasses in Minnesota. Phytopathology 34: 352-353. Mar. 1944. 464.8 P56

23111 ATKINSON, R. E. Sweetpotato storage diseases in North Carolina. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 156-157, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23112 BARNETT, H. L. Results of the brown rot survey, and notes on some other diseases of stone fruits in central California. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 181-183, processed. Mar. 15, 1944. 1.9 P69P

23113 BARNETT, H. L. Survey to determine brown rot organisms on stone fruits in central California. U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr. 28: 164-165, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23114 BARRETO, SEBASTIAN. Enfermedades de la villa. Peronospora, oidium, antracnosis, perla de tierra. Tratamientos. Campo y Arados 8(83): 20. Jan. 1944. 9.9 C152

23115 BLACKFORD, F. W. Citrus fruit rots and blemishes. Queensland Agr. Jour. 58: 33-38. Jan. 1944. 23 Q33

23116 CALVERT, E. L., and MUSKETT, A. E. Blind seed disease of rye-grass. Nature [London] 153: 287. 288. Mar. 4, 1944. 472 N21

23117 CASSELL, R. C. Squash storage diseases in New England. U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr. 28: 237-238, processed. Mar. 15, 1944. 1.9 P69P

23118 CLARKE, V. V. An adventure in quality plus during the deluge of 1943. Hoosier Hort. 26: 56-57. Apr. 25, 1944. 81 In2H

Spraying for apple scab during rainy season.

23119 COLE, J. R. Low-lime bordeaux mixture controls leaf gall on azaleas. Phytopathology 34: 354-355. Mar. 1944. 464.8 P56

23120 DECKER, PHARES. A study of the pathogenicity of some Actinomyces from the soil. Cornell Univ. Abs. of Theses 1942: 355-360. 1943. 241.8 C81

23121 DUNEGAN, J. C. Further results with metal dialkyl dithiocarbamates for the control of the apple blotch fungus. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 162-163, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23122 FISCHER, G. W., and CLAASSEN, C. E. Studies of stem rust (Puccinia graminis) from Poa amplex, Avena fatua, and Agropyron spicatum in the Pullman, Washington, region. Phytopathology 34: 301-314. Mar. 1944. Ref., p. 313-314. 464.8 P56

23123 FLOR, E. H. Relation of rust damage in seed flax to seed size, oil content, and iodine value of oil. Phytopathology 34: 348-349. Mar. 1944. 464.8 P56



- 23124 FRASER, LILIAN. Citrus root rot active in saturated, overwatered soils; rootstock susceptibility. *Citrus News* 20: 4. Jan. 31, 1944. 80 C494
- Phytophthora sp.
- 23125 GODOY, E. F. Epifitología del tizón de la papa en la zona papera "Sudeste" de la provincia de Buenos Aires. *La Plata. Univ. Nac. Facult. de Agron. Rev.* 25: 97-139. Dec. 29, 1943. 9 R32
- Late blight of potato caused by *Phytophthora infestans*.
- 23126 HARRISON, A. L., and KELBERT, D. G. A. Late blight on eggplant in Florida. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 116, processed. Feb. 15/ Mar. 1, 1944. 1.9 P69P
- 23127 HOYMAN, W. G. Sclerotinia and other diseases of lettuce and other winter vegetables in the Salt River Valley, Phoenix, Arizona. *U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr.* 28: 120-121, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P
- 23128 IMLE, E. P. The basal rot disease of lilies. *Cornell Univ. Abs. of Theses* 1942: 370-372. 1943. 241.8 C81
- Fusarium oxysporum* f. lilii.
- 23129 JONES, WALTER. Downy mildew disease of cauliflower seed plants. *Sci. Agr.* 24: 282-284. Feb. 1944. 7 Sci2
- 23130 LEHMAN, S. G. Corn leaf diseases observed in North Carolina in 1943. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 183-184, processed. Mar. 15, 1944. 1.9 P69P
- 23131 MCCULLOCH, LUCIA. A vascular disease of gladiolus caused by *Fusarium*. *Phytopathology* 34: 263-287. Mar. 1944. 464.8 P56
- Fusarium orthoceras* var. *gladioli*.
- 23132 MURRELL, W. A. Fungous diseases of Florida forest trees. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 103-112, processed. Feb. 1, 1944. 1.9 P69P
- 23133 NORMAN, A. The use of lawn mowings against disease. *Natl. Rose Soc. Rose Ann.* 1944: 61-62. 84 N21
- For prevention of black spot on roses.
- 23134 NUSBAUM, C. J. The seasonal spread and development of cucurbit downy mildew in the Atlantic Coastal States. *U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr.* 28: 82-84, processed. Feb. 1, 1944. 1.9 P69P
- 23135 PADY, S. M. Late blight on potato and tomato, and other diseases of solanaceous crops (peppers, in the lower Rio Grande Valley of Texas. *U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr.* 28: 116-117, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P
- 23136 PEPPLER, H. J. Acid liquid media for the isolation of fungi. *Kans. Acad. Sci. Trans.* (1943) 46: 8. 500 K13T
- 23137 PETERSON, L. C. Studies on the late blight of potatoes and its causal organism, *Phytophthora infestans* (Mont.) de Bary. *Cornell Univ. Abs. of Theses* 1942: 380-382. 1943. 241.8 C81
- 23138 POMERLEAU, RENE. Le rôle des champignons dans la forêt. *Forêt Québécoise* 7: 215. Apr. 1944. 99.8 F79
- 23139 RADER, W. E., and ASHDOWN, DONALD. Onion spraying for mildew and thrips control in New York State. *U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr.* 28: 201-202, processed. Mar. 15, 1944. 1.9 P69P
- 23140 REEVE, P. A. You can help control black root disease. *Sugar Beet Jour.* [9]: 71. Mar. 1944. 66.8 Su38
- 23141 SCHULTZ, H. Untersuchungen über die fusskrankheiten der ackerbohne. *Zentbl. f. Bakt. etc., Abt. (II)* 106: 38-50. Aug. 28, 1943. 448.3 C33
- 23142 SCHUSTER, MAX. The nature of resistance of flax to *Fusarium lini*. *Phytopathology* 34: 356. Mar. 1944. 464.8 P56
- 23143 SHANOR, LELAND. Diaporthe sojas on cowpeas. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 81, processed. Feb. 1, 1944. 1.9 P69P
- 23144 SMITH, T. E. Status of blackshank [of tobacco] in North Carolina. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 159, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P
- 23145 TERVET, I. W. Alternaria tuber rot and other diseases on stored potatoes in North Dakota. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 94-96, processed. Feb. 1, 1944. 1.9 P69P
- 23146 THOMAS, H. R. "Freckle," a spotting of tomato fruits. *Phytopathology* 34: 341-344. Mar. 1944. 464.8 P56
- Apparently due to *Alternaria solani* or *A. tenuis*.
- 23147 TILFORD, P. E. Factors favoring spread and control of late blight [of potato]. *Ohio Veg. and Potato Growers Assoc. Proc.* (1943) 28: 7-12. 75.9 Oh3
- 23148 TOMALIN, T. E. Spray now for sound fruits. Prevent scab in apples and pears. *Pop. Gard.* 46: 18. Mar. 18, 1944. 80 G1622
- 23149 VANTERPOOL, T. C. Studies on Crown and Royal flax in flax-sick soil. I-II. *Sci. Agr.* 24: 259-267, 268-270. Feb. 1944. 7 Sci2
- I. The determination of Crown and Royal seed samples by growth in flax-sick soil. II. Comparative mortality response of Crown and Royal flax in two different flax-sick soils.
- 23150 VESTAL, E. F. Diseases in stored grain and soybeans in Iowa. *U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr.* 28: 184-186, processed. Mar. 15, 1944. 1.9 P69P
- 23151 WATKINS, G. M. Sweetpotato storage diseases in Texas. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 100, processed. Feb. 1, 1944. 1.9 P69P
- 23152 WEST, ERDMAN. A Botrytis [B. squamosa] leaf-spot of onions new to Florida. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 198-199, processed. Mar. 15, 1944. 1.9 P69P
- 23153 WHEELER, E. J. New potato varieties and seedlings resistant to late blight and common scab. *Ohio Veg. and Potato Growers Assoc. Proc.* (1943) 28: 13-17. 75.9 Oh3
- 23154 WILSON, J. D. The control of celery blights with Bordeaux, the fixed coppers with and without sulfur, and ferlate. *Ohio Agr. Expt. Sta. Rimo. Bul.* 29: 95-109. Mar./Apr. 1944. 100 Oh3S
- 23155 ZELLER, S. M., OWENS, C. E., and EVANS, A. W. Experiments on the control of brown rot of cherries and peaches, 1942, including notes on brown rot control in apricots. (Progress report.) *Oreg. State Hort. Soc. Proc.* (34th Ann. Rpt., 1942) 57: 53-57. 81 Or32
- Diseases Caused by Bacteria
- 23156 ARK, P. A. Pollen as a source of walnut bacterial blight infection. *Phytopathology* 34: 330-334. Mar. 1944. 464.8 P56
- 23157 BARRUS, M. F. Look out for ring rot of potatoes. [N. Y.] *Nassau Co. Farm and Home Bur. News* 30(3): 18. Mar. 1944. 275.293 N. Y., Nassau Co.



- 23158 BROWN, J. G. Bacterial soft rot of *Sansevieria*. *Phytopathology* 34: 350-351. Mar. 1944. 464.8 P56
- 23159 CASS SMITH, W. P. Black rot of cabbage, cauliflower and related plants. *West. Austral. Dept. Agr. Jour.* 20: 298-303. Dec. 1943. 23 W52J
- 23160 CHAN, S. Y. Studies of the etiology of sweet cherry canker in Pennsylvania. *Pa. State Col. Abs. Doctoral Diss.* (1942) 5: 173-179, processed. 1943. 241.8 P38

23161 KREUTZER, W. A., and MCLEAN, J. G. The io's and don'ts in ring-rot control. *Spud Notes* 2 (1): 3-4. Jan. 1944. 75.8 Sp9

23162 MCCREE, W. F. Ring rot survey. *Spud Notes* 2(1): 1-2. Jan. 1944. 75.8 Sp9

23163 MILLER, P. W. Current investigations on walnut blight and recommendations for its control in war-time. *West. Nut Growers Assoc. Proc.* 28. In *Oreg. State Hort. Soc. Proc.* (34th Ann. Rpt., 1942) 57: 142-146. 81 Or32

23164 KAPTASOON, J. B. Studies of the bacterial ring rot disease of potatoes. *Cornell Univ. Abs. of Theses* 1942: 383-385. 1943. 241.8 C81

23165 SMITH, C. O., and COCHRAN, L. C. Crown gall and irrigation water [in stone fruit nurseries]. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 160-162, processed. Feb. 15/Mar. 1, 1944. 1.9 P69P

23166 SMITH, M. A. Blister spot, a bacterial disease of apple. *Jour. Agr. Res.* 68: 269-298. Apr. 1, 1944. Ref., p. 296-298. 1 Ag84J

#### Viruses and Virus Diseases

23167 EPPS, W. M. Purple-top wilt of potatoes. *Cornell Univ. Abs. of Theses* 1942: 363-365. 1943. 241.8 C81

23168 \*HELLBO, E. Utsädeskontrollen och viroserna. *Stiftelse Svenska Lantbruksveckan Handl.* (1943) 32: 310-316. 11 Sw34

Control of virus diseases of seed potatoes.

23169 HILDEBRAND, E. M. Mature peach fruits affected by leaf curl. *Phytopathology* 34: 345-347. Mar. 1944. 464.8 P56

23170 KIENHOLZ, J. R. Spread of virus diseases of stone fruits in Oregon. *Oreg. State Hort. Soc. Proc.* (34th Ann. Rpt., 1942) 57: 58-61. 81 Or32

23171 \*LINDFORS, THORE. Potatisviroserna, en viktig faktor för vår folkförsörjning. *Stiftelse Svenska Lantbruksveckan Handl.* (1943) 32: 299-302. 11 Sw34

Virus diseases of potato and methods of control.

23172 LOUW, A. J. Mottle leaf or mosaic chlorosis of apples. *Farming in So. Africa* 19: 32-34, 44. Jan. 1944. 24 So842

Not caused by deficiencies of minor elements but by a virus.

23173 MARKHAM, ROY. The isolation of viruses by means of the electrically driven Sharples supercentrifuge. *Parasitology* 35: 173-177. Mar. 1944. 448.8 P21

23174 \*OSWALD, HUGO. Virussjukdomarna och potatisodlingen. *Stiftelse Svenska Lantbruksveckan Handl.* (1943) 32: 317-322. 11 Sw34

Losses caused to the potato industry by virus diseases and the necessity for controlling them.

23175 PFANKUCH, EDGAR, and HAGENGUTH, K. Isolierung einiger pflanzlicher viren. *Naturwissenschaften* 31: 370-371. July 30, 1943. 474 N213

23176 SAMPSON, R. W. A virus diseases of lettuce occurring in Indiana greenhouses. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 203, processed. Mar. 15, 1944. 1.9 P69P

23177 SMITH, K. M., and MARKHAM, ROY. Two new viruses affecting tobacco and other plants. *Phytopathology* 34: 324-329. Mar. 1944. 464.8 P56

*Arabis*-mosaic and tobacco broken ring-spot.

23178 SMITH, K. M., and MARKHAM, ROY. A virus disease of lovage (*Ligusticum scoticum*). *Phytopathology* 34: 335-340. Mar. 1944. 464.8 P56

23179 ZILLER, S. M. Virus diseases of stone fruits. *Oreg. State Hort. Soc. Proc.* (34th Ann. Rpt., 1942) 57: 85-90. 81 Or32

#### Diseases Caused by Nematodes

23180 CHRISTIE, J. R., and ALBIN, F. E. Host-parasite relationships of the root-knot nematode, *Heterodera marioni*. (I. The question of races.) *Helminth. Soc. Wash. Proc.* 11: 31-37. Jan. 1944. 436.9 H36

23181 TAYLOR, A. L. Nematode survey in Florida. *U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr.* 28: 85-86, 139-142, 223-227, processed. Feb. 1, Feb. 15/Mar. 1, Mar. 15, 1944. 1.9 P69P

23182 THORNE, GERALD, and ALLEN, M. W. *Nacobbus dorsalis*, nov. gen. nov. spec. (Nematoda: Tylenchidae) producing galls on the roots of alfalfa, *Erodium cicutarium* (L.) L'Hér. *Helminth. Soc. Wash. Proc.* 11: 27-31. Jan. 1944. 436.9 H36

#### PLANT ECOLOGY

23183 ALBERTSON, F. W. Prairie studies in west-central Kansas, 1942. *Kans. Acad. Sci. Trans.* (1943) 46: 81-84. 500 K13T

23184 CAMPBELL, R. S. Range research of the United States Forest Service. *Chron. Bot.* 7: 381-383. Dec. 1943. 450 C46

23185 \*CUNHA, A. G. DA, and GONÇALVES SOBRINHO, L. Un cas de xéro-série. *Soc. Portug. des Sci. Nat. Bul.* 13: 25-30. Nov. 1938. 508 Scl

Plant succession in the volcanic regions of the islands of Faial and Pico of the Azores Archipelago.

23186 DONIS, C. Observations phytosociologiques. *Soc. de Bot. et de Zool. Congolaises. Bul.* 4: 63-78. Sept. 1941. 410.9 Z7

In Belgian Congo.

23187 \*ETTER, H. Pflanzensociologische und bodenkundliche studien an schweizerischen laubwäldern. *Schweiz. Anst. f. das Forstl. Versuchsw. Mitt.* 23: 7-132. 1943. Ref., p. 130-132. 99.9 Sch92

23188 FORBES, A. C. The position of oak in British forest succession. *Empire Forestry Jour.* 22: 103-111. Dec. 1943. 99.8 Em72

23189 FRANKTON, C., and RAYMOND, L. C. Pasture studies. XXV. Pasture succession in the eastern townships of Quebec. *Sci. Agr.* 24: 271-281. Feb. 1944. 7 Sc12

23190 HUBERMAN, M. A. Phenology in forestry. *Chron. Bot.* 7: 403-404. Dec. 1943. 450 C46

23191 OOSTING, H. J., and REED, J. F. Ecological composition of pulpwood forests in northwestern Maine. *Amer. Midland Nat.* 31: 182-210. Jan. 1944. 410 M58

The vegetation of the stands, p. 193-202.

#### PLANT MORPHOLOGY, ANATOMY, AND CYTOLOGY

23192 BAILEY, I. W. The comparative morphology of the Winteraceae. III. Wood. *Arnold Arboretum Jour.* 25: 97-103. Jan. 1944. Ref., p. 101-103. 451 Ar6J

23193 BATHAM, E. J. Vascular anatomy of New Zealand species of *Gunnera*. *Roy. Soc. New Zeal. Trans. and Proc.* 73: 209-216. Dec. 1943. 514 W46



- 23194 BURGOS, J. J. La distribución de los pigmentos antocianicos en el arroz y su comportamiento hereditario. La Plata, Univ. Nac. Facult. de Agron. Rev. 25: 175-214. Dec. 29, 1943. Ref., p. 213-214. 9 B32  
English summary.
- 23195 \*CHOLNOKY, B. J. VON. Protoplasmatische Untersuchungen an fruchtfleischzellen von *Ligustrum vulgare*. Protoplasma 37: 415-428. 1943. 442.8 P94
- 23196 CLEE, D. A. Structure and mechanism of the air pores of *Fegatella* (*Conocephalus*) *conica*. Ann. Bot. [London] (n. s.) 7: 341-345. Oct. 1943. 450 An7
- 23197 CUNHA, A. G. DA. Anomalies des plantes. I. (*Dahlia*). Soc. Portug. des Sci. Nat. Bul. 13: 7-10. Nov. 1938. 506 Sol
- 23198 DUFFIELD, J. W. Polyploidy in *Acer ruorum* L. Chron. Bot. 7: 390-391. Dec. 1943. 450 C46
- 23199 FOSTER, A. S. Aims in research and teaching in plant anatomy. Chron. Bot. 7: 395-397. Dec. 1943. 450 C46
- 23200 FRAZIER, J. C. Nature and rate of development of root system of *Centaurea picris*. Bot. Gaz. 105: 345-351. Mar. 1944. 450 B652
- 23201 GEITLER, LOTHAR. Die mechanik der mitose. Ein Übersichtsbericht. Naturwissenschaften 31: 501-504. Oct. 22, 1943. 474 N213
- 23202 GONÇALVES DA CUNHA, A. La théorie du chondriome végétal. Chron. Bot. 7: 397-399. Dec. 1943. 450 C46
- 23203 \*HOFLE, KARL. Einige beobachtungen an *Closterium dianae* und *Pleurotaenium nodulosum*. Protoplasma 37: 283-286. 1943. 442.8 P94
- 23204 HOPP, HENRY. Multiple measures for distinguishing closely related plant forms. Chron. Bot. 7: 402-403. Dec. 1943. 450 C46
- 23205 \*KAJALE, L. B., and RAO, G. V. Pollen and embryo-sac of two *Euphorbiaceae*. Indian Bot. Soc. Jour. 22: 229-236. Dec. 1943. 450 J821
- 23206 KAUSIK, S. B. Contributions to the embryology and floral morphology of the *Proteaceae*. Chron. Bot. 7: 404-406. Dec. 1943. 450 C46
- 23207 \*\*KAUSIK, S. B., and RAO, P. K. V. The male gametophyte of *Halophila ovata* Gaudich. Half-Yearly Jour. Mysore Univ. Sect. B 3(1): 43-49. 1942. Abs. in Biol. Abs. 18: 5168. Mar. 1944. 442.8 B526
- 23208 \*KOLLMANN, F., and ANTONOFF, M. Beitrag zur erforschung des submikroskopischen feinbaus von holz. Holz als Roh- u. Werkstoff 6: 41-45. Feb. 1943. 99.81 H74
- 23209 \*KUSTER, ERNST. Mitteilungen über Porphyra. Beiträge zur pathologischen cytogenese der meeresalgen. Protoplasma 37: 321-336. 1943. 442.8 P94
- 23210 LYON, C. B., and GARCIA, C. R. Anatomical responses of tomato stems to variations in the macro-nutrient anion supply. Bot. Gaz. 105: 394-405. Mar. 1944. 450 B652
- 23211 MARTIN, A. C. Achene characters in the genus *Scirpus*. Amer. Midland Nat. 31: 250. Jan. 1944. 410 M58
- 23212 MASCHLANKA, HILDEGARD. Zweikernige trans-plantate zwischen *Acetabularia crenulata* und *Acicula-ria schenckii*. Naturwissenschaften 31: 549. Nov. 5, 1943. 474 N213
- 23213 MASCHLANKA, HILDEGARD. Zytologische un-tersuchungen an algen aus der familie der dasycla-daceen. Naturwissenschaften 31: 545-549. Nov. 5, 1943. 474 N213
- 23214 \*MENKE, WILHELM. Dichroismus und doppel-brechung der plastiden. Biol. Zentbl. 63: 326-349. July/Aug. 1943. Ref., p. 348-349. 442.8 B523
- 23215 MOEWUS, FRANZ. Geisselbildung und be-weglichkeit bei *Chlamydomonas*. Naturwissenschaften 31: 420. Aug. 27, 1943. 474 N213
- 23216 MYERS, W. M. Cytological studies of a triploid perennial ryegrass and its progeny. Jour. Hered. 35: 17-23. Jan. 1944. 442.8 Am3
- 23217 OLIVE, L. S. Spermatial formation in *Gymnosporangium claviceps*. Mycologia 36: 211-214. Mar./Apr. 1944. 450 M99
- 23218 PADDOCK, E. F. On the number of chro-mosomes in *Hevea*. Chron. Bot. 7: 412-413. Dec. 1943. 450 C46
- 23219 PALSER, B. F. Anatomy and sorus develop-ment of *Camptosorus rhizophyllus*. Bot. Gaz. 105: 289-303. Mar. 1944. 450 B652
- 23220 PERRY, B. A. Chromosome number relation-ships in the genus *Euphorbia*. Chron. Bot. 7: 413-414. Dec. 1943. 450 C46
- 23221 PIRES SOARES, J. M. Anomalies de crois-sance des arbres. II. Un *Platanus orientalis* L. et un *Quercus suber* L. avec un tronc commun. Soc. Portug. des Sci. Nat. Bul. 13: 1-4. Apr. 1938. 506 Sol
- 23222 PRESTON, R. D. The fine structure of the walls of phloem fibres. Chron. Bot. 7: 414-416. Dec. 1943. 450 C46  
Includes comparison of hemp and jute.
- 23223 RECORD, S. J. Keys to American woods. (Cont.) Yale Univ., School Forestry Trop. Woods, No. 77, p. 18-38. Mar. 1, 1944. 99.08 Y1Tr
- 23224 SCOTT, F. M. Cytology and microchemistry of nuclei in developing seed of *Echinocystis macrocarpa*. Bot. Gaz. 105: 329-338. Mar. 1944. 450 B652
- 23225 SPENCER, W. P. Crossingover in spaghetti chromosomes. A demonstration project in cytogenetics. Jour. Hered. 35: 8-10. Jan. 1944. 442.8 Am3
- 23226 \*\*SRINIVASACHAR, D. Morphological studies in the family *Anacardiaceae*. Half-Yearly Jour. Mysore Univ. Sect. B. 1(8): 83-91. 1942. Abs. in Biol. Abs. 18: 5175. Mar. 1944. 442.8 B526
- 23227 STEIL, W. N. Apospory and apogamy in a species of *Tectaria*. Bot. Gaz. 105: 369-373. Mar. 1944. 450 B652
- 23228 STEIL, W. N. Peculiar antherozoids of a species of *Chara*. Bot. Gaz. 105: 373-374. Mar. 1944. 450 B652
- 23229 TREITEL, OTTO. The elasticity, breaking stress, and breaking strain of horizontal rhizomes of species of *Equisetum*. Kans. Acad. Sci. Trans. (1943) 46: 122-132. 500 K13T
- 23230 \*WEGGIN, WILHELM. Ueber den feinbau der zellwände höherer pflanzen. Biol. Zentbl. 63: 350-370. July/Aug. 1943. Ref., p. 368-370. 442.8 B523
- 23231 WHITING, A. G., and MITCHELL, J. W. A method of numerically evaluating areas of plant tis-sus. Bot. Gaz. 105: 405-408. Mar. 1944. 450 B652  
Guayule was used as a test plant.
- 23232 \*WIELER, A. Appositions- oder in-tussuszeptionswachstum? Protoplasma 37: 170-188. 1943. Ref., p. 187-188. 442.8 P94
- 23233 WILDE, M. H. A new interpretation of co-niferous cones with special reference to the *Podocar-paceae*. Cornell Univ. Abs. of Theses 1942: 407-409. 1943. 241.8 C81



23234 \*ZIEGENSPECK, HERMANN. Die entwicklungs-geschichte der spaltöffnungen einiger monokotylen im lichte der micellierung und phys.-chem. beschaffenheit der wände. Protoplasma 37: 267-397. 1943. Ref., p. 395-397. 442.8 P74

## PLANT GENETICS

23235 ARMSTRONG, J. M., and MCLENNAN, H. A. Amphidiploidy in Triticum-Agropyron hybrids. Sci. Agr. 24: 285-296. Feb. 1944. 7 Sci2

23236 \*\*BLACK, W. Inheritance of resistance to two strains of blight (Phytophthora infestans de Bary) in potatoes. Roy. Soc. Edinburgh Trans. 61 (Pt. 1, Paper 4): 137-147. 1943. Abs. in Biol. Abs. 18: 4016. Mar. 1944. 442.8 B526

23237 EINSET, JOHN. A cytological and genetic study of primary trisomic types in Zea mays. Cornell Univ. Abs. of Theses 1942: 361-362. 1943. 241.8 C81

23238 LINDEGREN, C. C., and HAMILTON, ELIZABETH. Autolysis and sporulation in the yeast colony. Bot. Gaz. 105: 316-321. Mar. 1944. 450 B652

23239 LINDEGREN, C. C. Environmental and genetic variations in yield and colony size of commercial yeasts. Mo. Bot. Gard. Ann. 30: 71-82. Feb. 1943. 451 M69

23240 LINDEGREN, C. C., and LINDEGREN, GERTRUDE. Sporulation in Saccharomyces cerevisiae. Bot. Gaz. 105: 304-316. Mar. 1944. 450 B652

23241 MCCLINTOCK, BARBARA. Maize genetics. Carnegie Inst. Wash., Yearbook (1942/43) No. 42, p. 148-161. 1943. 500 C21

23242 MEUNISSIER, M. A. La génétique et ses applications pratiques. Terre Maroc. 14(170): 4-8; (171): 5-11. Jan., Feb. 1944. 24 T44

23243 SMITH, D. C. Intergeneric hybridization. Chron. Bot. 7: 417-418. Dec. 1943. 450 C46

23244 SMUCKER, S. J. Rebuilding the American elm. Amer. Forests 50: 105-107, 137-138. Mar. 1944. 99.8 F762

Outlook for developing desirable elms resistant to Dutch elm disease appears promising.

23245 SPRAGUE, G. F. The problem of heterosis. Chron. Bot. 7: 418-419. Dec. 1943. 450 C46

23246 STEINER, ERICH. Cytogenetic studies on Talinum and Portulaca. Bot. Gaz. 105: 374-379. Mar. 1944. 450 B652

23247 WALKER, JOHN. Association of characters in Petunia. Sci. Agr. 24: 251-258. Feb. 1944. 7 Sci2

23248 WELCH, J. E. Linkage in autotetraploid maize. Cornell Univ. Abs. of Theses 1942: 400-403. 1943. 241.8 C81

## PLANT PHYSIOLOGY AND BIOCHEMISTRY

## Plant Physiology

23249 \*ALEKSANDROV, V. G., and ALEKSANDROVA, O. G. Istorija razvitiya plodovoy obolochki zernovki pshenitsy (Histoire du développement du péricarpe des caryopses du froment). Bot. Zhurn. S. S. R. (Jour. Bot. de l'U. R. S. S.) 28: 223-236. 1943. 451 R923  
French summary.

23250 ALLARD, H. A. An interesting reference to length of day as affecting plants. Science 99: 263. Mar. 31, 1944. 470 Sci2

Relation of length of day to natural distribution of plants is indicated in Arthur Hensley's "The Vegetation of Europe" published in 1852.

23251 AVERY, G. S., JR., HERGER, JULIUS, and SHALUCHA, BARBARA. Extent of auxin-precursor hydrolysis in different Avena assay methods. Bot. Gaz. 105: 364-369. Mar. 1944. 450 B652

23252 BAILEY, L. F., and MCHARGUE, J. S. Effect of boron, copper, manganese, and zinc on the enzyme activity of tomato and alfalfa plants grown in the greenhouse. Plant Physiol. 19: 105-116. Jan. 1944. 450 P629

23253 \*BALKS, R., and WEHRMANN, O. Ueber den einfluss verschiedener kationen auf die sulfataufnahme von roggenkeimpflanzen. Bodenk. u. Pflanzenernähr. 31: 129-137. 1943. 384 Z343A

23254 BALL, ERNEST, and BOELL, E. J. Respiratory rates of the shoot tips and maturing tissues in Lupinus albus and Tropaeolum majus. Natl. Acad. Sci. Proc. 30: 45-50. Mar. 15, 1944. 500 N21P

23255 \*BARG, TRAUTE. Ueber die indifferenzstreifen der characeen. Protoplasma 37: 293-299. 1943. 442.8 P94

23256 BARNELL, H. R. Studies in tropical fruits. XV. Hemicellulose metabolism of the banana fruit during storage and ripening. Ann. Bot. [London] (n. s.) 7: 297-323. Oct. 1943. 450 An7

23257 \*BIEBL, RICHARD. Beobachtungen über UV-strahlenresistenz anthozyanhaltiger zwiebelepidermiszellen. Protoplasma 37: 566-568. 1943. 442.8 P94

23258 \*BIEBL, RICHARD. Wirkung der UV-strahlen auf die plasmapermeabilität. Protoplasma 37: 2-24. 1943. Ref., p. 23-24. 442.8 P94

23259 BIRK, M. F. Plant responses to  $\alpha$  ( $\beta$ -naphthoxy) propionic, indolebutyric, and phenoxy-acetic acids. Colo. Univ. Studies Ser. A, 27(2): 4. Dec. 1943. 500 C715

Abstract of thesis.

23260 BONNER, JAMES. Effect of varying nutritional treatments on growth and rubber accumulation in guayule. Bot. Gaz. 105: 352-364. Mar. 1944. 450 B652

23261 BRAUNER, L., and BRAUNER, M. Canlı bitki dokularında su alımına oksibiosis arasındaki münasebetler. II. Hücre çeperinin gerilme kabiliyeti (The relations between water-intake and oxybiosis in living plant-tissues. II. The tensility of the cell wall). Istanbul. Univ. Faculté des Sci. Rev. Sér. B: Sci. Nat. 8: 30-75. Jan./Apr. 1943. 475 Is7  
In English.

23262 BREWER, G. E. F., and GODAR, EDITH. Buffer values of the leaves of some plants. Plant Physiol. 19: 164-169. Jan. 1944. 450 P629

23263 BÜNNING, ERWIN. Die anpassung der pflanzen an den jahres- und tagesperiodischen wechsel der aussenbedingungen. Naturwissenschaften 31: 493-499. Oct. 22, 1943. 474 N213

23264 CHILDS, LEROY, and BROWN, G. G. Tar oil spray as an agent in changing the alternate bearing habit of the Newton apple. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 21-27, 29-34. 81 Or32

23265 \*COLLANDER, RUNAR, LONEGREN, HOLGER, and ARHIMO, EVI. Das permeationsvermögen eines basischen farbstoffes mit demjenigen einiger anelektrolyte verglichen. Protoplasma 37: 527-537. 1943. 442.8 P94

23266 COX, L. G. A physical study of embryo dormancy in the seed of native hardwoods and iris. Cornell Univ. Abs. of Theses 1942: 354-357. 1943. 241.8 C81

23267 CRAFTS, A. S., and O. A. LORENZ. Fruit growth and food transport in cucurbits. Plant Physiol. 19: 131-136. Jan. 1944. 450 P629

23268 CRAFTS, A. S. Osmosis and osmotic pressure. Chron. Bot. 7: 386-388. Dec. 1943. 450 C46



- 23269 CURTIS, L. C. The exudation of glutamine from lawn grass. *Plant Physiol.* 19: 1-5. Jan. 1944. 450 P629
- 23270 CUTHBERTSON, F. G. Sweet peas and bud dropping. *Florists Exch.* 102(15): 10. Apr. 8, 1944. 80 W666
- 23271 DE VILLIERS, G. D. B. Research on the influence of climate on deciduous fruit growing. *Chron. Bot.* 7: 388-390. Dec. 1943. 450 C46
- 23272 EULER, HANS VON, and SKARZYNSKI, BOLSLAW. Einwirkungen von ultraschallwellen auf hefe. *Naturwissenschaften* 31: 389. Aug. 13, 1943. 474 N213
- 23273 FINA, A. L. DE. El valor agrícola del rocío. *Campo [Buenos Aires]* 28(327): 12-13. Jan. 1944. 9 C15
- 23274 GARDNER, V. R. Winter hardiness in juvenile and adult forms of certain conifers. *Bot. Gaz.* 105: 408-410. Mar. 1944. 450 B652
- 23275 GAUCH, H. G., and WAHLEIGH, C. H. Effects of high salt concentrations on growth of bean plants. *Bot. Gaz.* 105: 379-387. Mar. 1944. 450 B652
- 23276 GOTTLIEB, DAVID. The production of healthy shoots by wilted tomato plants. *Phytopathology* 34: 353-354. Mar. 1944. 464.8 P56
- 23277 GRAINGER, JOHN. The causes and control of flowering. *Chron. Bot.* 7: 400-402. Dec. 1943. 450 C46
- 23278 \*GREMLING, FERD. Das honigen der blüten. *Moselländ. Bienen Ztg.* 58: 67-73. May 1943. 424.8 L97
- Nectar concentration in relation to temperature and season of year.
- 23279 GRIEBINS, M. F. A study of the growth and chemical composition of tobacco seedlings as influenced by their environment. *Pa. State Col. Abs. Doctoral Diss.* (1942) 5: 87-91, processed. 1943. 241.8 P38
- 23280 \*HARTTEL, OTTO. Quellungsstudien an pflanzen verschiedener höhenstufen. *Protoplasma* 37: 350-366. 1943. 442.8 P94
- 23281 HANSEN, H. N., and SNYDER, W. C. Relation of dual phenomenon in *Penicillium notatum* to penicillin production. *Science* 99: 264-265. Mar. 31, 1944. 470 Sc12
- 23282 HILL, H. The role of minor elements in fruit and vegetable production. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1943) 80: 87, 89-91, 93, 95. 82 N85
- 23283 HILTON, R. J. A further note on pre-harvest spraying and delayed picking of McIntosh apples. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1943) 80: 95, 97-99, 101. Dec. 1943. 82 N85
- 23284 HOFFMAN, M. B. Thinning apples at blossom time with a caustic spray [sodium-dinitro-cresylate]. *Amer. Agr.* 41: 186. Apr. 15, 1944. 6 Am3
- 23285 HOFFMANN, JOSEF, and GARZULY-JANKO, R. Einfluss von uran-spuren auf hefezellen. *Bioch. Ztschr.* 313: 372-376. 1942/1943. 384 B522
- 23286 HOWLETT, F. S. Plant tissue tests with particular reference to greenhouse tomato production. *Ohio Veg. and Potato Growers Assoc. Proc.* (1943) 28: 84-85, 87-88, 90-91, 93-94. 75.9 Oh3
- 23287 \*HUBER, BRUNO. Zur theorie der spezifischen permeabilitätsreihen. *Protoplasma* 37: 439-440. 1943. 442.8 P94
- 23288 JONES, L. H. Relation of weather conditions to onion blast. *Plant Physiol.* 19: 139-147. Jan. 1944. 450 P629
- 23289 JONES, R. F. The effect of some purines and related compounds on the seedling growth of *Avena sativa* L. *Ann. Bot. [London]* (n. s.) 7: 379-390. Oct. 1943. 450 An7
- 23290 KRAUS, J. E. What's the cause of knobby potatoes? *Idaho Farmer* 62: 129. Mar. 16, 1944. 6 G282
- Experiments at Aberdeen Substation indicate that environmental factors affect the formation of second growth or knobs.
- 23291 \*LANZ, IRMGARD. Rhythmische ablagerungen in lebendigen pflanzenzellen. *Protoplasma* 37: 337-345. 1943. 442.8 P94
- 23292 LEONARD, O. A. Use of root pressure in determining injury to roots by cultivation. *Plant Physiol.* 19: 157-163. Jan. 1944. 450 P629
- 23293 \*LEPESCHKIN, W. W. Ultrarote strahlen im dienste der erforschung des molekularen baus des protoplasmas. VI. Anteil des Tyndall- und Plotnikow-effekts an der streuung der gewebe und schätzung des molekulargewichts ihrer vitalide. *Protoplasma* 37: 25-48. 1943. 442.8 P94
- Effect of infrared rays on cabbage leaf, p. 33-36.
- 23294 \*LEPESCHKIN, W. W. Zur kenntnis des absterbens der hefe beim austrocknen. *Protoplasma* 37: 404-414. 1943. 442.8 P94
- 23295 LINDNER, R. C. Rapid analytical methods for some of the more common inorganic constituents of plant tissues. *Plant Physiol.* 19: 76-89. Jan. 1944. 450 P629
- 23296 LYON, C. B. and PARKS, R. Q. boron deficiency and the ascorbic-acid content of tomatoes. *Bot. Gaz.* 105: 392-393. Mar. 1944. 450 B652
- 23297 \*MAIMOLD, FRIEDL. Studien an colchicinierten pflanzen. *Protoplasma* 37: 445-521. 1943. Ref., p. 514-521. 442.8 P94
- 23298 \*MICHAEL, G. Ueber die wirkung einer stickstoff-nachdüngung auf den N-stoffwechsel grüner blätter. *Bodenk. u. Pflanzenernähr.* 31: 184-196. 1943. 384 Z343A
- 23299 \*MICHELS, PAUL. Der nasskern der weisstanne. Holz als Roh- u. Werkstoff 6: 87-99. Mar. 1943. 99.81 H74
- 23300 MOISSEJEWA, M. Zur theorie der mitogenetischen strahlung. VI. Quarz als nebenfaktor bei erforschungen der mitogenetischen strahlung. *Bioch. Ztschr.* 312: 199-212. 1942. 384 B522
- 23301 NELLY, J. D. Electrodialysis of seeds. *Plant Physiol.* 19: 19-32. Jan. 1944. 450 P629
- 23302 NICKERSON, W. J. Some trends in research on yeasts. *Chron. Bot.* 7: 409-412. Dec. 1943. 450 C46
- 23303 OBENSHAIN, S. S. The effect of certain fertilizer carriers on the type of growth of turnips. (Abs.) *Va. Acad. Sci. Proc.* (1942/43) 21: 39, 500 N81
- 23304 PESCOIT, E. E. Sugar gum problem solved. It does grow naturally from seed, but there are limitations. *Stock and Land* 34(7): 2. Feb. 16, 1944. 49 St63
- 23305 PFEIFFER, H. H. Messungen der polarisationsoptischen temperaturabhängigkeit an pflanzlichen chloroplasten. *Naturwissenschaften* 31: 418-419. Aug. 27, 1943. 474 N213
- 23306 PHILLIS, ERNEST, and MASON, T. G. Studies on foliar hydration in the cotton plant. V. A further experiment with potassium. *Ann. Bot. [London]* (n. s.) 7: 391-397. Oct. 1943. 450 An7
- 23307 PIENIAZEK, S. A. A study of factors influencing the rate of transpiration of apple fruits. *Cornell Univ. Abs. of Theses* 1942: 480-482. 1943. 241.8 C81
- 23308 PIPER, C. S. Manganese deficiency in oats. *Nature [London]* 153: 197. Feb. 12, 1944. 472 N21
- 23309 \*RAUTERBERG, E., and KAMITZSCH, A. Der einfluss des kalis auf den stickstoffhaushalt von raygras, knaulgras und wiesenfuchsschwanz. *Bodenk. u. Pflanzenernähr.* 32: 193-203. 1943. 384 Z343A



- 23310 \*REUTER, LOTTE. Die harnstoffpermeabilität der schliesszellen. Versuch eines quantitativen nachweises der permeabilität der schliesszellen. *Protoplasma* 37: 538-555. 1943. 442.8 P94
- 23311 ROMERO, A. G. De la faculté germinative des graines de semence. *Fruits et Primeurs de l'Afrique du Nord* 14(144): 24-25. Feb. 1944. 80 F9482
- 23312 ROSENE, H. F. Glass potometers for studies of absorption and exudation by excised roots. *Plant Physiol.* 19: 170-172. Jan. 1944. 450 P69P
- 23313 SARR, E. S. M. A study of some ecological factors influencing seedstalk development in carrots (*Daucus carota* L.). *Cornell Univ. Abs. of Theses* 1942: 790-793. 1943. 241.8 C81
- 23314 \*SCHARRER, K., and SCHREIBER, R. Gefässversuche über die wirkung kombinierter kalium- und magnesiumgaben auf den ertrag an eiweiss und fett von sommertraps, leindotter und weissem Benf. *Bo-denk. u. Pflanzenernähr.* 32: 204-223. 1943. 384 Z343A
- 23315 SCHMIDT, C. B. A queda de orelhas do algodoeiro. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. *Notas Agr.* 6: 609-611. 1943. 31.9 Sa63
- 23316 SCHUSTER, C. E., STEPHENSON, R. E., and EVENDEN, WILLIAM. Mycorrhizas of filbert and walnut trees in Oregon orchards. *Bot. Gaz.* 105: 388-391. Mar. 1944. 450 B652
- 23317 SCHUSTER, C. E., and STEPHENSON, R. E. Preliminary report on the use of boron on walnut trees (*Juglans regia* L.). *West. Nut Growers Assoc. Proc.* 29. In *Oreg. State Hort. Soc. Proc.* (35th Ann. Rpt., 1943) 58: 133-137. 81 Or32
- 23318 SIDERIS, C. P., and YOUNG, H. Y. Effects of iron on chlorophyllous pigments, ascorbic acid, acidity and carbohydrates of *Ananas comosus* (L.) Merr., supplied with nitrate or ammonium salts. *Plant Physiol.* 19: 52-75. Jan. 1944. 450 P629
- 23319 SIVORI, ENRIQUE, and WENT, F. W. Photoperiodicity of *Baeria chrysostoma*. *Bot. Gaz.* 105: 321-329. Mar. 1944. 450 B652
- 23320 STANDEN, J. H. Chemical and physical characteristics of maize cobs in relation to the growth of *Nigrospora oryzae*. *Phytopathology* 34: 315-323. Mar. 1944. 464.8 P56
- 23321 STEINBERG, R. A. Use of Lemma as a test organism. *Chron. Bot.* 7: 420. Dec. 1943. 450 C46
- 23322 STRONG, M. C. Walnut wilt of tomato. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 194-195. Feb. 1944. 100 M588
- Due to toxic chemical compound in the walnut roots.
- 23323 \*STRUGGER, SIEGFRIED. Aufnahme und speicherung des auramins durch lebende pflanzenzellen. *Protoplasma* 37: 429-438. 1943. 442.8 P94
- 23324 TETER, H. E. Isogamous sexuality in a new strain of *Allomyces*. *Mycologia* 36: 194-210. Mar./Apr. 1944. 450 M99
- 23325 THUT, H. F., and LOOMIS, W. E. Relation of light to growth of plants. *Plant Physiol.* 19: 117-130. Jan. 1944. Ref., p. 128-130. 450 P629
- 23326 \*TOTH, ANNEMARIE, GRAF, GERLINDE, and RICHTER, GERDA. "Plasmaamöben" in geschleudelter *Spirogyra*. *Protoplasma* 37: 300-305. 1943. 442.8 P94
- 23327 \*UMRATH, FRIEDL. Elektrische potentiale an durch colchicin oder heteroauxin hervorgerufenen keulenwurzeln. *Protoplasma* 37: 522-526. 1943. 442.8 P94
- 23328 \*UMRATH, KARL. Ueber die erregungssubstanz von *Berberis*. *Protoplasma* 37: 346-349. 1943. 442.8 P94
- 23329 \*UMRATH, KARL. Ueber die natur der elektrischen potentialdifferenzen an pflanzlichen gewebe. *Protoplasma* 37: 398-403. 1943. Ref., p. 402-403. 442.8 P94
- 23330 UNDERKOFER, L. A., and FULMER, E. I. Microbial amylases for saccharification of starch in the alcoholic fermentation. *Chron. Bot.* 7: 420-422. Dec. 1943. 450 C46
- 23331 VLAMIS, J., and DAVIS, A. R. Effects of oxygen tension on certain physiological responses of rice, barley, and tomato. *Plant Physiol.* 19: 33-51. Jan. 1944. Ref., p. 50-51. 450 P629
- 23332 WARDLAW, C. W. Experimental and analytical studies of pteridophytes. II. Experimental observations on the development of buds in *Onoclea sensibilis* and in species of *Dryopteris*. *Ann. Bot. [London]* (n. s.) 7: 357-377. Oct. 1943. 450 An7
- 23333 \*WEBER, FRIEDL. Spaltöffnungsapparatanomalien colchiniertes *Tradescantia*-blätter. *Protoplasma* 37: 556-565. 1943. 442.8 P94
- 23334 WHITE-STEVENS, R. H. The relation of chlorophyll content to quality in celery. *Cornell Univ. Abs. of Theses* 1942: 494. 1943. 241.8 C81
- 23335 WITHROW, R. B., and WITHROW, A. P. Effect of intermittent irradiation on photoperiodic responses. *Plant Physiol.* 19: 6-18. Jan. 1944. 450 P629
- Spinach and soybean used as test plants.
- 23336 WYND, F. L. The concept of cellular and organismic functions of the vitamins. *Chron. Bot.* 7: 424-426. Dec. 1943. 450 C46
- 23337 \*ZAKHAR'YANTS, I. L. Obmen veshchestv i fotosintez u *Ferula asafoetida* (Rgl.) Bge. (Métabolisme et photosynthèse chez *Ferula asafoetida* (Rgl.) Bge.). *Bot. Zhurn. S. S. S. R. (Jour. Bot. de l'U. R. S. S.)* 28: 237-241. 1943. 451 R923
- French summary.
- 23338 ZANKOFF, NIKOLA. Untersuchungen über harzgehalt und einige physikalische eigenschaften des holzes der bulgarischen nadelhölzer peuce, kiefer und schwarzkiefer. *Holz als Roh- u. Werkstoff* 6: 100-109. Mar. 1943. 99.81 H74
- Biochemistry
- 23339 BARTON-WRIGHT, E. C., BOOTH, R. G., and PRINGLE, W. J. S. Analysis of barley from King Tuthankhamen's tomb. *Nature [London]* 153: 288. Mar. 4. 1944. 472 N21
- 23340 BAUMANN, EUGEN, and ULLMAN, ELSA. Untersuchungen über die lipase höherer pflanzen. *Bioch. Ztschr.* 312: 9-40. 1942. 384 B522
- 23341 BLICK, R. T. J. Physical and chemical characteristics of typical American and Nelson tobacco-leaf samples. *New Zeal. Jour. Sci. and Technol. Sect. B, Gen.* 25: 53-62. Sept. 1943. 514 M48B
- 23342 \*BUKATSCH, FRANZ. Der ascorbinsäuregehalt von laub- und blumenkronblättern einiger lilifloren. *Protoplasma* 37: 287-293. 1943. 442.8 P94
- 23343 DRAKE, BIRGER. Untersuchungen über einige polysaccharide der flechten, vornehmlich das lichenin und das neuentdeckte pustulin. *Biochem. Ztschr.* 313: 388-399. 1942/1943. 384 B522
- 23344 GUSTAFSSOHN, ÅKE. Ascorbic acid and hip fertility in *Rosa* species. *Nature [London]* 153: 196-197. Feb. 12. 1944. 472 N21
- 23345 HOFFMANN, JOSEF. Bioelement uran im pflanzen- und tierreich sowie im menschlichen organismus. *Biochem. Ztschr.* 313: 375-387. 1942/1943. 384 B522
- Test material included *Aspergillus niger* and smut spores.
- 23346 KAROW, E. O., and FOSTER, J. W. An antibiotic substance [Clavacin] from species of *Gymnoascus* and *Penicillium*. *Science* 99: 265-266. Mar. 31. 1944. 470 Sci2



23347 LEWIS, R. D., and HUNTER, J. H. Changes in some mineral constituents of pecan nuts and their supporting shoots during development. Jour. Agr. Res. 68: 299-306. Apr. 15, 1944. Ref., p. 305-306. 1 Ag84J

23348 LOEWE, H. Ueber die chemische natur der gene. Streiflichter auf den gegenwärtiger stand unserer kenntnisse von der erbsubstanz. Chem.-Ztg. 68: 1-4. Jan. 12, 1944. 384 C427

23349 MCILROY, R. J. A new water-soluble polysaccharide from perennial rye-grass pasture. New Zeal. Jour. Sci. and Technol. Sect. B, Gen. 25: 64-66. Sept. 1943. 514 N48B

23350 MAN, T. J. DE. Einige freien aminosäuren in Lolium perenne. Naturwissenschaften 31: 492. Oct. 8, 1943. 474 N213

23351 MASON, T. G., and PHILLIS, E. Studies on the partition of the mineral elements in the cotton plant. IV. More about nitrogen, phosphorous and labile carbohydrate. Ann. Bot. [London] (n. s.): 399-408. Oct. 1943. 450 An7

23352 \*MURTI, P. B. R., and SESHADRI, T. R. A study of the chemical components of the roots of *Decalepis hamiltonii*. Pt. V. A note on the use of 4-o-methylresorcylic aldehyde as a preservative. Indian Acad. Sci. Proc. Sect. A 16: 135-136. Aug. 1942. 513 In25

23353 POOLE, C. F., GRIMBALL, P. C., and KANA-PAUX, M. S. Factors affecting the ascorbic acid content of cabbage lines. Jour. Agr. Res. 68: 325-329. Apr. 15, 1944. 1 Ag84J

23354 \*POPOFF, I. D. Zuckerbestimmung in pflanzen-substanzen. Bodenk. u. Pflanzenernähr. 31: 245 252. 1943. 384 Z343A

23355 \*RAUTERBERG, EDWARD, and BENISCHKE, H. Die bestimmung des nitratstickstoffs in ernateproduktion als nitroxylenol. Bodenk. u. Pflanzenernähr. 31: 216-223. 1943. 384 Z343A

23356 RUNYON, N. R. The effect of season of growth and clipping on the chemical composition of blue grama (*Bouteloua gracilis*) at Hays, Kansas. Kans. Acad. Sci. Trans. (1943) 46: 116-121. 500 K13T

23357 SHORLAND, F. B. Leaf lipids of forage grasses and clovers. Nature [London] 153: 168. Feb. 5, 1944. 472 N21

23358 SOMERS, G. F., JR. Some factors influencing acid changes in leaves of *Kalanchoe (Bryophyllum) daigremontiana*. Cornell Univ. Abs. of Theses 1942: 390-392. 1943. 241.8 C81

23359 \*VIDME, T. Borspørsmålet i lys av de seinere års forsøk ved Norges Landbruksakademi. Norsk Landbruk 9: 15-19. Jan. 22, 1943. 11 NB122

Effect of liming on boron content of plants grown in white moss peat in pots.

23360 WEINMANN, H. Semi-micro estimation of reducing sugars. Plant Physiol. 19: 148-156. Jan. 1944. 450 P629

23361 ZELLER, ALFRED, and MASCHKE, FRIDOLIN. Ueber eine saturase höhere fettsäuren aus Kürbiskeimlingen. Bioch. Ztschr. 312: 354-369. 1942. 384 B522

#### SILVICULTURE

23362 BLOCH, HANS. Trabajos en el vivero forestal. Vida Rural 5(55): 24. Feb. 1944. 9.4 V66  
Suggestions for the care of forest trees in nurseries.

23363 CLEMENT, RAY. Forests in the making: Minnesota State nurseries furnish conifers. Conserv. Volunteer 7(39): 23-24. Mar./Apr. 1944. 279.8 C765

23364 JOEL D., ERNESTO. Algunas observaciones sobre pino insigna [*Pinus radiata*]. Unión Agr. del Sur 2(9): 16-17. Jan. 1944. 9.3 Un3  
Instructions for planting and care.

23365 KOSCINSKI, MANSUETO. Aproveitamento racional das florestas. São Paulo (State). Sec. da Agr. Indús., e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 433-459. 9.2 Sa63

Discusses the meaning and scope of silviculture.

23366 MCCLUNG, LESTER. Boy scouts active in planting community forest. W. Va. Conserv. 8: 5. Apr. 1944. 279.8 W524

23367 PATON, R. R. Forest planting in Ohio. Ohio. Agr. Expt. Sta. Bimo. Bul. 29: 86-92. Mar./Apr. 1944. 100 Oh3S

Recommends species and methods for reforestation.

23368 PESSCOTT, E. E. Eucalypt seed ripening now. Stock and Land 34(6): 2. Feb. 9, 1944. 49 St63  
Gives instructions for storing and planting.

23369 SETZER, JOSÉ. O reflorestamento em face do estudo moderno do solo. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42) 1941: 385-396. 9.2 Sa63

23370 STOATE, T. N. Taper in *Pinus pinaster*. (Some notes on the taper of the tree in plantations of *Pinus pinaster* in Western Australia.) Austral. Forestry 6: 59-66. 1942. 99.8 Au74

23371 TYRRELL, T. M. Planting green gold. Green Gold 1(2): 4. Feb. 1944. 99.8 G822  
Reforestation in Oregon.

#### FIELD CROPS

Includes articles on general agronomy, and on crop varieties, breeding, cultural practices, and yield.

#### General

23372 \*CEYLON DEPARTMENT OF AGRICULTURE. The cultivation of food crops in pruned tea. Ceylon. Dept. Agr. Leaflet 192 (Food Prod. Leaflet 13), 6 p. Colombo, 1942. 22.5 C33L

23373 \*CEYLON DEPARTMENT OF AGRICULTURE. Planting calendar of food crops in Ceylon. Ceylon. Dept. Agr. Leaflet 193 (Food Prod. Leaflet 14), 3 p. Colombo, 1942. 22.5 C33L

23374 DIXON, MARC. Oats make nurse crop for alfalfa. Farmer-Stockman 57: 159. Apr. 1944. 6 Or45

23375 DUNHAM, R. S. Selecting a [crop] variety. Minn. Seed Grower 17(2): 2-3. Apr. 1944. 61.8 M66

23376 KRUG, C. A. Sementes selecionadas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 34-40. 1943. 31.9 Sa63

23377 MENDES, C. T. A amontsa. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 172-174. 1943. 31.9 Sa63

23378 MENDES, C. T. Culturas intercaladas. São Paulo (State) Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 163-166. 1943. 31.9 Sa63

23379 REBOUR, H. Densité des semis et plantations, facteurs de réussite de premier ordre dans les circonstances présentes. Fruits et Primeurs de l'Afrique du Nord 14(144): 32-33. Feb. 1944. 80 F9482

#### Cereals

23380 BAYLES, B. B. Improved grains bring higher yields. U. S. Bur. Agr. Econ. Agr. Situation 28(3): 13-15. Mar. 1944. 1 Ec7Ag

23381 \*BRAADLIE, O. Sávarekvaliteten i Trøndelag i år. Norsk Landbruk 9: 4-5. Jan. 8, 1943. 11 NB122

The quality of grainseed in Trøndelag this year.



23382 BRADY, J. J. Spring wheats. Irish Agr. and Creamery Rev. 13(123): 4-5. Mar. 1944. 44.8 C866

23383 BUSSELL, F. P. Seed barley. [N. Y.] Erie Co. Farm and Home Bur. News 30(3): 15. Mar. 1944. 275.293 N. Y., Erie Co.

23384 CASTRO, PAIVA. O milho. Rev. Rural Bras. 23(278): 38-39. Oct. 1943. 9.2 B733

23385 CLARKE, M. F., comp. Results of variety tests with grains in British Columbia; in 1943 valuable. Country Life [Brit. Columbia] 28(3): 13. Mar. 1944. 7 C832

23386 CLEMENS, F. W. E. F. Gaines is wheat breeder extraordinary. Wash. Farmer 69: 159, 170. Apr. 6, 1944. 6 R15J

23387 DAVIS, L. L. Harvesting rice for maximum milling quality in California. Rice Jour. 47(3): 3-4, 17-18. Mar. 1944. 59.8 R36

23388 DAY, D. I. About hybrid popcorn: hybrid varieties produce more, get better stands. Ind. Farmers Guide 100(8): 4. Apr. 15, 1944. 6 In2

23389 ELDREDGE, J. C., and LYERLY, P. J. Popcorn profit depends on quality, curing and marketing. Market Growers Jour. 73: 125, 142, 144, 147. Apr. 1944. 6 M34

23390 FINA, A. L. DE. Método gráfico e índice numérico para conocer la seguridad de eficiencia de las variedades agrícolas. La Plata. Univ. Nac. Facul. de Agron. Rev. (3a. época) (1940) 25: 21-54. La Plata, 1943. 9 R32

The method is applied to Argentine grain varieties.

23391 HAYES, H. K. Allotment of corn seed stocks to producers of Minhybrids. Minn. Seed Grower 17(2): 1, 3-4. Apr. 1944. 61.8 M66

23392 HUTCHESON, T. B. Bigger corn crops from fewer acres. South. Planter 105(4): 10-11. Apr. 1944. 6 So89

23393 LAMB, C. A., LEWIS, R. D., and BEARD, D. F. Thorne wheat has spread rapidly in Ohio. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 92-94. Mar./Apr. 1944. 100 Oh3S

23394 LANGHAM, D. G. Venezuela 1. Una selección de maiz recomendable. Agr. Venezolano 8(91/92): 4-6. Nov./Dec. 1943. 9.95 Ag8

23395 MCKEE, J. W. Raising registered grains. Mont. Farmer 31(15): 5. Apr. 1, 1944. 6 M764

23396 MENDES, C. T. O "desbaste" na cultura do milho. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 174-177. 1943. 31.9 Sa63

23397 MENDES, C. T. A soqueira do arroz. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 181-185. 1943. 31.9 Sa63

23398 ORTIZ, A. A. Acción necesaria de la temperatura en el desarrollo del ciclo vegetativo del trigo. Buenos Aires (City) Bolsa de Cereales. Rev. 31(1637): 8, 16. Feb. 12, 1944. 287 B866  
Also in Rosario, Argentina. Bolsa de Com. Bol. Ofic. 32(770): 17-18. Feb. 15, 1944. 287 R71

23399 PUTNAM, H. O. Seed treatment plus high grade [grain] seed important in 1944. Minn. Seed Grower 17(2): 3. Apr. 1944. 61.8 M66

23400 REESE, EVANS. Cultivation of corn. Tex. Livestock Jour. 3(3): 10-11. Mar. 15, 1944. 49 T29

23401 ROEMER, R. F. The effects of different intensities of grazing upon three varieties of wheat in western Kansas. Kans. Acad. Sci. Trans. (1943) 46: 110-115. 500 K13T

23402 SCHMIDT, C. B. A cultura do arroz pelo sistema de transplante. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Notas Agr. 6: 185-188. 1943. 31.9 Sa63

23403 STOA, T. E. Barley in North Dakota. Grain and Feed Jours. Consolidated 92: 240. Mar. 22, 1944. 298.8 G762

23404 STONEBERG, HUGO. Southern corn hybrids. Grain and Feed Jours. Consolidated 92: 240. Mar. 22, 1944. 298.8 G762

23405 \*\*VIVOLI, GIULIO. Principali aspetti e problemi della granicoltura nella Tripolitania settentrionale. Agr. Colon. [Florence] 36(1): 8-22(2): 50-54. 1942.

Abs. in Biol. Abs. 18: 5211. Mar. 1944. 442.8 B526

23406 WATSON, H. C. H. Wheat varieties in the northern district - Diggora trials. Victoria Dept. Agr. Jour. 42: 49-50. Feb. 1944. 23 V66J

#### Fiber Crops

23407 BANFI, ARGENTINO. Los métodos culturales en algodónero. Argentina. Junta Nac. del Algodón Bol. Mens. No. 101/102, p. 459-466. Sept./Oct. 1943. 72.9 Ar3

23408 BANFIELD, F. S. and NEALES, A. E. Kapok. Gard. Chron. 115: 98. Mar. 4, 1944. 80 G162

23409 BERSAGHI, M. N. Cultura do algodão. A influência dos tratos culturais. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 221-224. 1943. 31.9 Sa63

23410 BERSAGHI, M. N. A cultura do algodoeiro. Considerações sobre a qualidade das safras. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 224-226. 1943. 31.9 Sa63

23411 CORTES, R. D. El sisal. Agr. Venezolano 8(91/92): 9-13. Nov./Dec. 1943. 9.95 Ag8  
Agave sisalana.

23412 COWDRY, W. A. R. Trials of rotations with cotton at the Biloela Research Station. Queensland Agr. Jour. 58: 17-19. Jan. 1944. 23 Q77

23413 \*HUERTA, ANTONIO DE LA. El henequén. Agricultura [Madrid] 13: 2-5. Jan. 1944. 15 Ag84

23414 LESTER, A. H. Henequen from Cuba. The war in the Pacific has increased the need for fibers from Latin America. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 69-72. Apr. 1944. 1 F752A

23415 MIEGE, E. Les plantes textiles au Maroc. Les ressources spontanées. (Cont.) Fruits et Primeurs de l'Afrique de Nord 14(144): 31-32. Feb. 1944. 80 F9482

23416 NEELY, J. W., and BRAIN, S. G. Control of weeds and grasses in cotton by flaming. Miss. Farm Res. 7(3): 8. Mar. 1944. 100 M69M1

23417 SCHMIDT, C. B. Colheita do algodão. Algodão maduro, seco e limpo, representa qualidade e valor. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 232-235. 1943. 31.9 Sa63

23418 SCHMIDT, C. B. Notas sobre a colheita do algodão. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 238-240. 1943. 31.9 Sa63

23419 SMITH, H. P. Storm-proof macha cotton. South. Agr. 74(4): 24. Apr. 1944. 6 So83

23420 STEELE, W. G. Cotton harvesting. Queensland Agr. Jour. 58: 75-81. Feb. 1944. 23 Q33

23421 WELCH, J. H. A preview of 1944 cotton. Tex. Farming and Citric. 20(9): 5, 17-18. Mar. 1944. 80 T31

#### Forage Crops and Grasses

23422 AHLGREN, G. H. Breeding alfalfa to fit the soil. N. J. Agr. 26(2): 3-4. Mar./Apr. 1944. 275.28 N46



- 23423 ARCHIBALD, J. G. Green gold [pastures]. New England Homestead 117(7): 10-12, 28. Apr. 8, 1944. 6 W442
- 23424 LA BETARRAGA tiene posibilidades ilimitadas en Chile. Unión Agr. del Sur 1(4/5): 7-9. May 1943. 9.3 Un2
- 23425 BORST, H. L., and YODER, R. E. Alfalfa without plowing. How to get a stand on thin land by discing down trashy cover. Land [Columbus, Ohio] 3: 210-212. 1943/44. 279.8 L22
- 23426 \*CEYLON. DEPARTMENT OF AGRICULTURE. The Bombay cowpea. Ceylon. Dept. Agr. Leaflet 188 (Food Prod. Leaflet 9), 1 p. Colombo, 1942. 22.5 C33L
- 23427 \*CEYLON. DEPARTMENT OF AGRICULTURE. Green gram. Ceylon. Dept. Agr. Leaflet 189 (Food Prod. Leaflet 10), 1 p. Colombo, 1942. 22.5 C33L
- 23428 CONRAD, FREMONT. Putting pep in tired pastures. Successful Farming 42(4): 50, 74. Apr. 1944. 6 Sul2
- 23429 COSTELLO, D. F. Know your range grasses and plants. Fourwing saltbush (*Atriplex canescens*). Westerner 7(3): 10-11, 22-23, 26. Apr. 1944. 45 W522
- 23430 FINK, D. S. New grassland agriculture. Article 2. Hoard's Dairyman 89: 198, 218. Apr. 10, 1944. 44.8 H65
- 23431 GILBERT, J. C. Raising alfalfa in Hawaii. Hawaii Farm and Home 7(4): 8, 24. Apr. 1944. 25 H3191
- 23432 HEATH, M. E., and JAMES, M. C. A new legume-grass partnership. U. S. Soil Conserv. Serv., Soil Conserv. 9: 232-233. Apr. 1944. 1.6 So35
- 23433 HOOVER, M. M. Grass seed--from start to finish. U. S. Soil Conserv. Serv., Soil Conserv. 9: 233-235. Apr. 1944. 1.6 So35
- 23434 HURST, F. J. South finds clovers excel in profits. Better Crops with Plant Food 28(3): 24-26, 44. Mar. 1944. 6 B46
- 23435 KOK, E. A. O capim de Rhodes. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 399-401. 1943. 31.9 Sa63
- 23436 KOK, E. A. Forrageiras para feno. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 419-423. 1943. 31.9 Sa63
- 23437 KUDZU continúa ganando terreno. Unión Agr. del Sur 1(4/5): 14-15. May 1943. 9.3 Un2
- 23438 \*LINLAND, D. Planting av beter. Norsk Landbruk 9: 4-5. Jan. 8, 1943. 11 N8122
- Comparison of yield of beets sown in the field or grown in coldframes and transplanted.
- 23439 LOYD, GLENNON. We've harnessed new legume-grass teams. Successful Farming 42(4): 20, 54. Apr. 1944. 6 Sul2
- 23440 MANN, H. H. History of a lucerne crop. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 32-35. Apr. 1944. 10 G79J
- 23441 MENDES, C. T. Mucuna. Bom adubo verde e boa forragem. Alfafa do pobre. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 283-289. 1943. 31.9 Sa63
- 23442 NEEL, L. R. Hot weather pasture. South. Agr. 74(4): 10. Apr. 1944. 6 So83
- 23443 \*ØDELIEN, M. Noen forhold som virker på fosforinnholdet i høyet [Effect of fertilization and mowing time on the phosphorus content of hay]. Norsk Landbruk 9: 61-62. Mar. 5, 1943. 11 N8122
- 23444 RIEGEL, D. A. A source study of blue grama grass and the effect of different treatments on establishing stands of grass under field conditions at Hays, Kansas. Kans. Acad. Sci. Trans. (1943) 46: 102-109. 500 K13T
- 23445 ROBINSON, EDWARD. Sweet clover pays. West. Canada Beekeeper 7(3): 10. Mar. 1944. 424.8 W525
- Effect of bees on field of sweetclover.
- 23446 RUTHERFORD, J. O. Kudzu - greatest American legume. Farm and Ranch 63(4): 16. Apr. 1944. 6 T31
- 23447 SERVISS, G. H. Good summer pasture is essential. Amer. Agr. 41: 183. Apr. 15, 1944. 6 Am3
- 23448 STATEN, H. W. Back to grass [pasture renovation]. Farmer-Stockman 57: 139. Apr. 1944. 6 Ok45
- 23449 \*TORSSELL, ROBERT. Odling, förädling och fröodling av blålucern (Cultivation and breeding of alfalfa). Stiftelse Svenska Lantbruksveckan Handl. (1943) 32: 329-339. 11 Sw34
- 23450 WEBSTER, C. B. From trash and leaves to buffalo seed. [Seed harvesting method.] Seed World 55(6): 10-11. Mar. 17, 1944. 61.8 So52
- 23451 WEBSTER, C. B. Rescue grass rates wider use, greater seed crop. South. Seedsman 7(4): 11, 51. Apr. 1944. 61.8 So8
- Oil Crops
- 23452 ALBRECHT, H. R. Edible soys, "duds" if not adapted. South. Seedsman 7(4): 12, 34, 52. Apr. 1944. 61.8 So8
- 23453 BEESON, K. E. Grow more soys in '44: but the really big problem is about harvesting them. Ind. Farmers Guide 100(7): 2. Apr. 1. 1944. 6 In2
- 23454 CASS SMITH, W. P., and HARVEY, H. L. Soybean inoculation experiment. West. Austral. Dept. Agr. Jour. 20: 331-334. Dec. 1943. 23 W52J
- 23455 DU SAUTOY, W. How to establish a tung-tree plantation. Preparation of seed-beds and land to ensure successful growth. Farmer's Weekly [Bloemfontein] 66: 934-935. Feb. 2, 1944. 24 F225
- 23456 FINA, A. L. DE, and CASTELLS, RAFAEL. Resultados de un cuatrienio de ensayos de lino oleaginosos en La Plata. La Plata. Univ. Nac. Facult. de Agron. Rev. 25: 55-59. Dec. 29, 1943. 9 R32
- 23457 GOBBATO, CELESTE. Cultura do amendoim. (Cont.) Chacaras e Quintais 69: 99. Jan. 15, 1944. 9.2 C34
- 23458 HOCHBAUM, H. W. Garden soys. Soybean Digest 4(5): 14. Mar. 1944. 60.38 So9
- 23459 HOEHNE, F. C. Observações sobre a cultura do tungue. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 302-305. 1943. 31.9 Sa63
- 23460 KRUG, C. A. A cultura do tungue nos Estados Unidos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 309-315. 1943. 31.9 Sa63
- 23461 MCMUNN, E. W. It's more [soy] beans per acre we're after. Ohio Farmer 193(8): 5. Apr. 15, 1944. 6 Oh3
- 23462 MATO, CAPITÃO DO. Vamos plantar girassol! Chacaras e Quintais 69: 77-78. Jan. 15, 1944. 9.2 C34
- 23463 MEYER, A. C. A cultura do tungue. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 305-308. 1943. 31.9 Sa63
- 23464 \*NEUNER, GEORG. Die bedeutung des bienenbefluges für den rapsbau. Imkerpraxis 65: 27-28. May 1943. 424.8 B34
- Pollination of rape.
- 23465 SAMPAIO, S. DE C. A cultura do amendoim. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 324-330. 1943. 31.9 Sa63



23466 SCHMIDT, C. B. A cultura do coqueiro. Possibilidades de desenvolvimento no litoral paulista. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 330-334. 1943. 31.9 Sa63

23467 SCHULTZ, E. F. El maní en Tucumán. Chacra 14(160): 12-13, 76. Feb. 1944. 9 C34

Also in Rosario, Argentina. Bolsa de Com. Bol. Ofic. 32(770): 9-14. Feb. 15, 1944. 287 R71

23468 SMITH, T. J. Search for suitable [soybean] varieties in Arizona. Soybean Digest 4(5): 15-16. Mar. 1944. 60.38 So9

23469 TOLEDO, A. P. DE. O girasol. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 325-328. 9.2 Sa63

#### Sugar Crops

23470 ANDERSON, W. S. Hodo, new sorghum for sirup, described. Miss. Farm Res. 7(3): 1. Mar. 1944. 100 M69M1

23471 BUSCHLEN, M. J., and REEVE, P. A. Method of determining distribution stands of segmented sugar beet plantings and presentation of resulting data. Sugar Jour. 6(10): 14-15. Mar. 1944. 65.8 Su391

23472 CAMINHA FILHO, ADRIÃO. Cultivo da cana de açúcar. Rev. Rural Bras. 23(278): 30-35. Oct. 1943. 9.2 B733

23473 CHRISTENSEN, O. A. Dixie thinner trials [of sugar beet], Garland, Utah, 1943. Sugar Jour. 6(10): 11-12. Mar. 1944. 65.8 Su391

23474 CRUZ, F. B. El cultivo de la caña de azúcar. Agronomía [Habana] 4: 261-268, 275-278. Mar. 1944. 8 C893

23475 EMMERZ de CHARMOY, A. D'. Research botany. Mauritius. Dept. Agr. Sugarcane Res. Sta. Ann. Rpt. (1942) 13: 18-28. 1943. 24 M443A

23476 GASKILL, J. O., and KREUTZER, W. A. Treatment of segmented sugar-beet seed greatly reduces damping-off of seedlings. Colo. Farm Bul. 6(2): 12-13. Mar./Apr. 1944. 100 C71S

23477 GREAVES, CHRISTIAN. Caña. Agr. Venezolano 8(91/92): 16-21. Nov./Dec. 1943. 9.95 Ag8  
Study of the varieties of sugarcane at Sosa and Maracay, Venezuela.

23478 MEYER, A. C. Cultura da cana. Cultivo das sócas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 252-256. 1943. 31.9 Sa63

23479 RAYNS, FRANK. American pilgrimage, 3. U. S. A. goes over to sheared sugar beet seed. Farmer & Stock-Breeder 58: 427. Mar. 14, 1944. 10 F228

23480 RAYNS, F[RANK]. Sugar beet. (Concl.) Sugar Jour. 6(10): 5-8. Mar. 1944. 65.8 Su391

23481 REEVE, P. A., and BUSCHLEN, M. J. Improved techniques of segmenting and planting sugar-beet seed. Mich. Agr. Expt. Sta. Quart. Bul. 26: 215-226. Feb. 1944. 100 M58S

23482 RODRIGUES FILHO, ANTONIO. A cultura da cana e a escolha de variedades adequadas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 244-249. 1943. 31.9 Sa63

23483 RODRIGUES FILHO, ANTONIO. Época do plantio da cana. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 249-252. 1943. 31.9 Sa63

23484 SORNAY, A. DE. Geneticist's Division. Mauritius. Dept. Agr. Sugarcane Res. Sta. Ann. Rpt. (1942) 13: 5-11. 1943. 24 M443A

23485 STOKES, I. E., ANDERSON, W. S., and FERRIS, E. B. Growing sorgo for sirup production. Miss. Farm Res. 7(3): 7-8. Mar. 1944. 100 M69M1

#### Tobacco

23486 CAMPOS, M. M. DE. Cultura do fumo. (Cont.) Chacaras e Quintais 69: 100-102. Jan. 15, 1944. 9.2 C34

23487 \*KONIG. Des tabaks pflege und verarbeitung. Deut. Bienenwirtsch. 1: 114-115. Nov. 1943. 424.8 D487

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on crop varieties, breeding, cultural practices, and yield.

#### General

23488 HERTRAN, ANTONIO. La producción frutal en la provincia de Lérica. Agricultura [Madrid] 13: 15-17. Jan. 1944. 15 Ag84

23489 BINKLEY, A. M. Sees conversion from war to peace as promising era for nursery, trade. Florists' Rev. 94(2421): 17. Apr. 20, 1944. 80 W41

23490 BRICHET, J. La production fruitière commerciale et le concours des abeilles. Fruits et Primeurs de l'Afrique du Nord 14(144): 35-36. Feb. 1944. 80 F9482

23491 BROWN, E. Notes from a Surrey garden. Gard. Chron. 115: 120-121. Mar. 18, 1944. 80 G162

23492 COCKERELL, T. S. A. Horticulture in San Diego. Calif. Gard. 35(1): 5. 8. Apr. 1944. 80 C127

23493 COPLEY, G. H. Post-war horticulture. Gard. Chron. 115: 110-111. Mar. 11, 1944. 80 G162

23494 DE GRAAFF, JAN. The horticultural industry in a changing world. Florists' Exch. 102(15): 9, 10, 11. Apr. 8, 1944. 80 F666

23495 ESCUDERO, PEDRO, and ROTHMAN, BORIS. El huerto escolar. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. (1939) 4: 103-109. 1940. 389.9 Ar3T

23496 FORSYTH, GORDON. How to prune newly planted bush and tree fruits. Pop. Gard. 46: 34. Apr. 1, 1944. 80 G1622

23497 HALL, E. C. The 1943-1944 review of garden books. Libr. Jour. 69: 229-235. Mar. 15, 1944. 243.8 L61

23498 HARGRAVE, P. D. Report of Assistant Superintendent, Provincial Horticultural Station, Brooks. Alberta. Dept. Agr. Ann. Rpt. 1942: 110-117. 1943. 7 A112

23499 HARTMAN, HENRY. Trends in Oregon horticulture. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 53-58. 81 Or32

23500 HERSEY, JEAN. What's new in gardening this spring. Country Book Mag. 3(4): 53-59. Spring 1944. 6 C836

23501 HUNT, E. M. Choosing fruits for small gardens. Minn. Hort. 72: 38, 47. Mar. 1944. 81 M66

23502 JONES, T. H. Care of newly set tree fruits and small fruits important success factor. Miss. Farm Res. 7(3): 1-2. Mar. 1944. 100 M69M1

23503 MCFARLAND, J. H. Shall we grow fruits? Flower Grower 31: 203-204. Apr. 1944. 80 M72

23504 MEYERS, I. M. Good garden varieties [of vegetables and fruit]. Mont. Farmer 31(15): 5. Apr. 1, 1944. 6 M764

23505 PRICE, H. L. New plant testing ground at V. P. I. Va. Fruit 32(4): 18. Apr. 1944. 81 V81B  
Virginia Polytechnic Institute will test new varieties or sports of fruits and ornamental plants.

23506 SNYDER, J. C. Spacing trees in the orchard. West. Nut Growers Assoc. Proc. 29. In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 122-127. 81 Or32



- 23507 TRESSLER, D. K. Best fruit varieties for freezing. Flower Grower 31: 206-207, 227. Apr. 1944. 80 M72
- 23508 WESTON, T. A. "Hardening off" and why it's needed. An essential step which early-started plants must take before they are ready for the garden. Home Gard. 3(4): 15-16. Apr. 1944. 80 H756

#### Citrus and Subtropical Fruits

- 23509 DICKINSON, FRANK. A report on lemon growing in China... The introduction of Eureka lemons into Szechuan. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 81-82. 81 Or32
- 23510 LOEST, F. C. Better crops from sub-tropical fruit trees. Elimination of practices that cause root and trunk decay. Farmer's Weekly [Bloemfontein] 66: 948. Feb. 2, 1944. 24 F225
- 23511 MALAN, E. F. Olive culture in South Africa. Farming in So. Africa 19: 29-31. Jan. 1944. 24 SoA42
- 23512 MORALES ANTEQUERA, CARLOS. Más sobre la poda del olivo. Agricultura [Madrid] 13: 6-10. Jan. 1944. 15 Ag84
- 23513 RANA, E. S. El kumquat o naranjo japonés. Campo [Buenos Aires] 28(327): 26-27, 55. Jan. 1944. 9 C15
- 23514 \*\*TRIGONA, GIOVANNI. L'agrumicoltura in Tripolitania. Agr. Colon. [Florence] 36(5): 124-134; (6): 162-166. 1942.  
Abs. in Biol. Abs. 18: 5263. Mar. 1944. 442.8 B526
- 23515 YOUNG, T. W. Investigations on the unfruitfulness of the Haden mango (*Mangifera indica*, Linn.) in Florida. Cornell Univ. Abs. of Theses 1942: 483-487. 1943. 241.8 C81

#### Deciduous Fruits

- 23516 APRIL, NOLASQUE. Importance du rôle des abeilles dans la pollinisation des vergers. Terre de Chez Nous 16(24): 10, 20. Mar. 15, 1944. 7 T27
- 23517 HEAR, E. M. Apple pollinators. Fruit-Grower, Fruiterer, Florist & Market Gard. 97: 279. Apr. 13, 1944. 80 F941
- 23518 BLIGH, R. D. L. Pear growing in the Annapolis Valley. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 57-63. 82 N85
- 23519 BROWN, G. G. Tree removal in crowded orchards. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 61-68. 81 Or32
- 23520 CASSELL, R. C. Condition of stored apples in New England. U. S. Bur. Plant Indus., Soils, and Agr. Engin. Plant Dis. Rptr. 28: 238-239. Mar. 15, 1944. 1.9 P69P
- 23521 CLORE, W. J. The place of new peach varieties. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 42-50. 81 Or32
- 23522 GABRIELSEN, JOSEPH. My experience with new orchard fruits [plums]. Minn. Fruit Grower 11(1): 14. Mar. 1944. 80 M66
- 23523 GEIR, CHRIS. Haralson apple makes good. Minn. Fruit Grower 11(1): 13. Mar. 1944. 80 M66
- 23524 HONEY, M. E. History of apple growing in Abbotsford District, Quebec. Canad. Hort. & Home Mag. Growers' Ed. 67: 77. Apr. 1944. 80 C16
- 23525 HUDSON, R. E. Report on Hansen fruits. Horticulture 22: 160. Apr. 1, 1944. 80 H787
- N. E. Hansen's cherry-plums, crosses of various plums with Bessey cherry.
- 23526 JUDKINS, W. P. and FOWLER, T. E. Tips on pruning. Amer. Fruit Grower 64(4): 10, 37. Apr. 1944. 80 G85
- 23527 KELSALL, A. Do we need new apple varieties? Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 49-51, 53. 82 N85

- 23528 LONGLEY, R. P. Report of Tree Removal Committee. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 73-75. 82 N85
- 23529 LOREE, R. E. Plums in Michigan. Mich. Agr. Expt. Sta. Quart. Bul. 26: 196-199. Feb. 1944. 100 M58S
- 23530 MCWHORTER, O. T. The eastern Oregon wild plum (*Prunus subcordata*). Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 45-46. 81 Or32
- Propagation experiments.
- 23531 MCWHORTER, O. T. Tree pruners still argue. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 83-86. 81 Or32
- Peach tree pruning practices.
- 23532 NASH, F. M. Report of Variety Committee [on apples]. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 72-73. 82 N85
- 23533 \*ORTEGA, J. M. La importancia de las variedades nacionales en fruticultura. Agricultura [Madrid] 12: 531-534. Dec. 1943. 15 Ag84
- 23534 RECK, S. H., JR. New styles in peaches. Farm Jour. 68(4): 34-35. Apr. 1944. 6 F2212
- 23535 RUTH, W. A. Differences between official and orchard minimum temperatures. Ill. State Hort. Soc. Ill. Hort. 33(2): 2-3. Apr. 1944. 80 I166
- 23536 SWANSON, C. P., and GARDNER, V. R. A pomological and cytological study of a russeted sport of the Stark apple. Jour. Agr. Res. 68: 307-315. Apr. 15, 1944. 1 Ag84J
- 23537 WEINBERGER, J. H. Newer peach varieties. East. Fruit Grower 7(1): 10, 16, 19. Mar. 1944. 80 Ea73
- Also in South. Florist and Nurseryman 7(2): 7-8. Apr. 7, 1944, with title: Newer, earlier peaches than Elberta. Several varieties show up well in Georgia. 80 So86
- 23538 WHITEHEAD, S. B. Points about fruit tree pruning. Field 183: 281. Mar. 11, 1944. 10 F45

#### Nuts

- 23539 CONRAD, H. H. Gifts of the Americas. The cashew. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 79. Apr. 1944. 1 F752A
- 23540 MCWHORTER, O. T. Filbert growers sometimes make mistakes in planting inferior stock on poor land without protection. West. Nut Growers Assoc. Proc. 29. In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 119-121. 81 Or32
- 23541 MCWHORTER, O. T. Pruning nut trees. West. Nut Growers Assoc. Proc. 28. In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 157. 81 Or32
- 23542 MILLER, P. W. Further investigations on the war-time control of walnut blight and filbert blight. West. Nut Growers Assoc. Proc. 29. In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 103-106. 81 Or32
- 23543 SCHUSTER, C. E. Bringing back devitalized filbert and walnut orchards. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 59-64. 81 Or32
- 23544 SCHUSTER, C. E. Practices affecting the production of walnuts and filberts. West. Nut Growers Assoc. Proc. 29. In Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 129-132. 81 Or32
- 23545 SCHUSTER, C. E. Rootstocks for filbert trees. West. Nut Growers Assoc. Proc. 28. In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 155-156. 81 Or32
- 23546 SCHUSTER, C. E. Wartime measures in walnut and filbert orchards. West. Nut Growers Assoc. Proc. 28. In Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 118-123. 81 Or32



## Ornamental Plants

- 23547 ALGIE, H. D. The grading of roses. Canad. Florist 39: 88-89. Mar. 20, 1944. 80 C163
- 23548 ALMAN, R. K. Municipal arboriculture in the Midwest - present and future. Natl. Shade Tree Conf. Proc. (1943) 19: 23-25. 99.9 N218
- 23549 ANLEY, GWENDOLYN. The A B C of iris growing. Part I. Iris Year Book [Iris Soc.] 1943: 70-73. 84 Ir4
- 23550 ARRONIZ SALA, CESAR. Obtención de semillas de algunas plantas herbáceas de flor. Chacra 14(160): 6-7. Feb. 1944. 9 C34
- 23551 ASAI, G. N. The effect of repeated freezing and thawing. Amer. Rose Mag. 5: 158-159. Mar./Apr. 1944. 80 Am327A
- 23552 BAILEY, RALPH. Cut your garden and have it, too. [Use annual ornamental plants.] House Beautiful 86(4): 42-43. Apr. 1944. 296.8 H81
- 23553 BECKETT, EDWIN. Celtis occidentalis. The hackberry. Gard. Chron. Amer. 48: 120. Apr. 1944. 80 G1632
- 23554 BLACKBURN, BEN. Plant for permanence - winterhazels [Corylopsis]. Flower Grower 31: 211, 224. Apr. 1944. 80 M72
- 23555 BRUGGEMANN, L. G. Delphinium from seed to seed. Flower Grower 31: 202, 224. Apr. 1944. 80 M72
- 23556 BURTON, F. Raising irises from seed. Iris Year Book [Iris Soc.] 1943: 52-54. 84 Ir4
- 23557 CASSEBEER, F. W. Gladiolus are easy to grow. Home Gard. 3(4): 50-53. Apr. 1944. 80 H756
- 23558 CAVENDISH, V. G. Roses in the garden picture. Amer. Rose Mag. 5: 152-153. Mar./Apr. 1944. 80 Am327A
- 23559 CLARK, A. M. Azaleas for California. Calif. Gard. 35(1): 1-2. Apr. 1944. 80 C127
- 23560 CLARK, J. S. Viburnum fragrans. Gard. Chron. Amer. 48: 113. Apr. 1944. 80 G1632
- 23561 COMMON, M. A. Hollyhock. New England Homestead 117(6): 2. Mar. 25, 1944. 6 M442
- 23562 COWLES, JEAN. Plants for informal hedges. Horticulture 22: 157. Apr. 1, 1944. 80 H787
- 23563 CREAGER, D. B. Improved treatment for calas and glads. South. Florist and Nurseryman 7(2): 18-19. Apr. 7, 1944. 80 So86
- 23564 CRISP, E. T. Meet Little Luscious [gloxinia]. Better Homes & Gardens 22(8): 59. Apr. 1944. 80 F9424
- 23565 DARLINGTON, H. R. Notes on my budding list. Natl. Rose Soc. Rose Ann. 1944: 7-9. 84 N21
- Selection of varieties of roses for budding.
- 23566 DARLINGTON, H. R., and others. Symposium on the best twelve roses for cutting purposes. Natl. Rose Soc. Rose Ann. 1944: 23-47. 84 N21
- Includes contributions by G. E. Deacon, G. M. Taylor, W. Easlea, J. W. Hart, M. P. Harvey, L. Hollis, N. Lambert, B. W. Price, and A. Norman.
- 23567 DE GRAAFF, JAN. Pink daffodils. Flower Grower 31: 208-209, 223. Apr. 1944. 80 M72
- 23568 DUNCOMB, MARY. The blood-flower [Aselepias currassavica]. Flower Grower 31: 204. Apr. 1944. 80 M72
- 23569 DUNCOMB, MARY. Gloxinias from an eastern countrywoman's point of view. Begonian 11: 292. Apr. 1944. 96.511 B39
- 23570 DUNCOMB, MRS. R. J. Plants for shady borders. Horticulture 22: 163. Apr. 1, 1944. 80 H787
- 23571 EASLEA, WALTER. Roses for a pergola, with instructions for the making of same. Natl. Rose Soc. Rose Ann. 1944: 54-60. 84 N21
- 23572 EDDY, R. T. New American dahlias, 1943-44. Austral. Gard. Lover 19(2): 15-16. Feb. 1944. 80 G1615
- 23573 EDMUNDS, FREED. Double harness. Amer. Rose Mag. 5: 157-158. Mar./Apr. 1944. 80 Am327A
- Cooperation between the amateur and professional rose grower.
- 23574 ERICKSON, MRS. E. H. The handsome Jacobean lily [Sprekelia formosissima]. Horticulture 22: 164. Apr. 1, 1944. 80 H787
- 23575 EVERETT, T. H. How to multiply your perennials. Home Gard. 3(4): 8-11. Apr. 1944. 80 H756
- 23576 EVERETT, T. H. Plant portraits [Begonia lucerna, Nerine humilis, Zinnia linearis]. Gard. Chron. Amer. 48: 114-115, 121. Apr. 1944. 80 G1632
- 23577 FAIRBROTHER, F. Roses that are easy to grow. Natl. Rose Soc. Rose Ann. 1944: 73-74. 84 N21
- 23578 FLEXMAN, D. L. My trial ground. Natl. Rose Soc. Rose Ann. 1944: 67-69. 84 N21
- Experiences of a rose-grower in selection of the best varieties.
- 23579 GILBERT, P. A. Orchids and their culture; the Oncidium group. (Cont.) Austral. Gard. Lover 19(2): 5, 7. Feb. 1944. 80 G1615
- 23580 GRANT, J. A. If you want a fine flowering tree -- [choose carefully and limit the number]. Home Gard. 3(4): 40-42. Apr. 1944. 80 H756
- 23581 GREEVES-CARPENTER, C. F. Rock gardens in the shade. Canad. Hort. & Home Mag. Floral Ed. 67: 74. Apr. 1944. 80 C16F
- 23582 HADDEN, N. B. Iris unguicularis-European forms. Iris japonica, Ledger's variety. Iris Year Book [Iris Soc.] 1943: 77-78. 84 Ir4
- 23583 HAMBLIN, S. F. Growing the vernal iris [Iris verna]. Horticulture 22: 165. Apr. 1, 1944. 80 H787
- 23584 HAMBLIN, S. F. Yellowflag iris Americanized. Horticulture 22: 161. Apr. 1, 1944. 80 H787
- 23585 HARRIS, CLARISSA. A plea for the single tuberous begonia. Begonian 11: 291, 305. Apr. 1944. 96.511 B39
- 23586 HARVEY, M. P. Roses for the small garden. Natl. Rose Soc. Rose Ann. 1944: 47-50. 84 N21
- 23587 HATFIELD, SADIE. Use of fruit plants in the landscape. South. Home and Gard. 11(10): 4-5. Feb. 1944. 80 So824
- 23588 HELLINGS, F. W. Delayed germination and arrested growth. Iris Year Book [Iris Soc.] 1943: 73-74. 84 Ir4
- 23589 HENLEY, R. M. Show, fancy or Lady Washington pelargonium. Gard. Chron. Amer. 48: 111, 122. Apr. 1944. 80 G1632
- 23590 HENRY, M. G. Some Amsonias at Gladwyne. Amer. Rock Gard. Soc. Bul. 2: 23-26. Mar./Apr. 1944. 81 Am342
- 23591 HOWNE, F. C. Arborização e orquideocultura prática. São Paulo (State). Sec. da Agr., Indústria e Com. Dir. de Publicidade Agr. Notas Agr. 6: 75-79. 1943. 31.9 Sa63
- 23592 HOLLIS, LEONARD. Some of the best autumn blooming roses. Natl. Rose Soc. Rose Ann. 1944: 9-15. 84 N21
- 23593 JOHANNING, MRS. ANNA. The dainty coral flower [Talinum paniculatum]. Horticulture 22: 163. Apr. 1, 1944. 80 H787
- 23594 KARG, ELINOR. The gloxinias. Begonian 11: 293, 305. Apr. 1944. 96.511 B39
- 23595 KOHL, P. A. The hardy begonia [B. evansiana]. Mo. Bot. Gard. Bul. 32: 65-67. Mar. 1944. 451 M69B



- 23596 KRAUSS, H. K. Nomenclature. Begonian 11: 295-296. Apr. 1944. 96.511 B39
- 23597 KRAUSS, H. K. A small group of flower types among begonias. Gard. Chron. Amer. 48: 107-109. Apr. 1944. 80 G1632
- 23598 KRUEGER, W. C. "Commercial" glad is defined. South. Florist and Nurseryman 57(1): 8, 29. Mar. 31, 1944. 80 So86
- 23599 LAMBERT, NORMAN. Which roses shall I start with? Some varieties to form the basis of a collection. Natl. Rose Soc. Rose Ann. 1944: 62-64. 84 N21
- 23600 LAMSON, M. D. Cart-before-the-horse landscaping. If you have the land for that post-war new house, it's a good idea to start the planting now. Home Gard. 3(4): 69-71. Apr. 1944. 80 H756
- 23601 LEE, O. C. Weedless lawns without a backache. Country Book Mag. 3(4): 10-15. Spring 1944. 6 C836
- 23602 LEMMON, R. S. Wildflower collecting—without qualms. Home Gard. 3(4): 74-75. Apr. 1944. 80 H756
- 23603 LESLIE, W. R. The best lilacs. Wis. Hort. 35: 193. Apr. 1944. 80 W752
- 23604 \*LUDWIG, AUGUST. Blüte und biene. Deut. Bienenwirtsch. 1: 3-6. Apr. 1943. 424.8 D487
- 23605 MCFARLAND, J. H. Magnolias at "Breeze Hill." Horticulture 22: 161. Apr. 1, 1944. 80 H787
- 23606 MACRAE, MALCOLM. Shading of orchids. Amer. Orchid Soc. Bul. 12: 373-375. Apr. 1, 1944. 80 Am329
- 23607 MACSELF, A. J. When is the right time? Natl. Rose Soc. Rose Ann. 1944: 19-22. 84 N21
- Time-table guides for specific tasks in rose culture
- 23608 MCWHORTER, F. P. Official story of the development of one domestic lily [Croft variety of Easter lily]. Florists' Rev. 94(2419): 11-12. Apr. 6, 1944. 80 W41
- Also in Florists Exch. 102(16): 10-11. Apr. 15, 1944, with title: The real lowdown on the Croft lily. 80 F666
- 23609 MARSHALL, W. T. This cactus hobby. Part II. Cactus and Succulent Jour. 16: 35-40. Mar. 1944. 451 C11
- 23610 MELADY, J. H. Spring work on the lawn. Home Gard. 3(4): 25-27. Apr. 1944. 80 H756
- 23611 MORRIS, CEDRIC. Concerning plicatas. Iris Year Book [Iris Soc.] 1943: 43-45. 84 Ir4
- 23612 MOSES, A. L. Choosing glads for cutflow-ers. South. Florist and Nurseryman 57(1): 6. Mar. 31, 1944. 80 So86
- 23613 NEWINS, H. S. Arboriculture in the South. Natl. Shade Tree Conf. Proc. (1943) 19: 26-30. 99.9 N218
- 23614 NEWTON, WILLIAM. Combining beauty with utility in rose breeding. Sci. Agr. 24: 304-306. Feb. 1944. 7 Sc12
- 23615 NORMAN, A. Some uncommon standard roses. Natl. Rose Soc. Rose Ann. 1944: 69-70. 84 N21
- 23616 NOYES, F. B. Notes on cacti out of doors in California. Part IV-V. Cactus and Succulent Jour. 16: 30, 55-56. Mar., Apr. 1944. 451 C11
- 23617 NUTT, MRS. GLENN. Perennials for continuous bloom and creating pictures in the garden. South. Home and Gard. 11(10): 7, 14. Feb. 1944. 80 So824
- 23618 ODELL, J. H. The modern gladiolus. Gard. Chron. Amer. 48: 118-119. Apr. 1944. 80 G1632
- 23619 PARK, BERTRAM. Selected strains of roses. Natl. Rose Soc. Rose Ann. 1944: 75-76. 84 N21
- 23620 PESEL, L. F. Some notes of the hybridizing of irises. Iris Year Book [Iris Soc.] 1943: 78-79. 84 Ir4
- 23621 PRESTER, E. A. Don't select plants by the picture on the label. Amer. Rose Mag. 5: 163-164. Mar./Apr. 1944. 80 Am327A
- 23622 PRESTON, ISABELLA. The hardy phlox. Canad. Hort. & Home Mag. Floral Ed. 67: 79-80. Apr. 1944. 80 C16F
- 23623 PURDY, CARL. Western irises. Flower Grower 31: 205. Apr. 1944. 80 M72
- 23624 REICH, R. S. A study of perception and appreciation in landscape design. Cornell Univ. Abs. of Theses 1942: 476-479. 1943. 241.8 C81
- 23625 RICKER, P. L. Our native orchids, II. Wild Flower 20: 55-60. Oct. 1943. 451 W642
- 23626 RIES, V. H. Some common landscape problems. Hort. News 10: 35-36. Apr. 1944. 80 H7815
- 23627 SCOTT, E. L. Growing chrysanthemums outdoors for exhibition. Home Gard. 3(4): 36-39. Apr. 1944. 80 H756
- 23628 SCOTT, E. L. Large-flowered chrysanthemums. A list of good kinds adapted to outdoor culture. Horticulture 22: 155. Apr. 1, 1944. 80 H787
- 23629 SCULL, E. Little-grown perennials. Canad. Hort. & Home Mag. Floral Ed. 67: 71. Apr. 1944. 80 C16F
- 23630 SEBALD, J. L. Growing orchids in small glass houses - I. Amer. Orchid Soc. Bul. 12: 380-382. Apr. 1, 1944. 80 Am329
- 23631 SENIOR, R. M. Campanula kemulariae. Amer. Rock Gard. Soc. Bul. 2: 28. Mar./Apr. 1944. 81 Am342
- 23632 SHARP, HARRY. Croft lilies for the Nation. Northwest is rapidly building up stock. South. Florist and Nurseryman 7(2): 5-6. Apr. 7, 1944. 80 So86
- 23633 SMITH, A. G. Progress in rose investigations. Amer. Rose Mag. 5: 55. Mar./Apr. 1944. 80 Am327A
- 23634 SMITH, K. D. Guide to iris culture. Flower Grower 31: 210-211, 225. Apr. 1944. 80 M72
- 23635 SMITH, R. E. Paint the autumn with 'mums [hardy chrysanthemums]. Gard. Chron. Amer. 48: 112-113. Apr. 1944. 80 G1632
- 23636 SPENDER, R. E. S. Good and bad parents. Iris Year Book [Iris Soc.] 1943: 65-66. 84 Ir4
- 23637 STEELE, FLETCHER. A landscape architect uses Shortia galacifolia. Amer. Rock Gard. Soc. Bul. 2: 29-30. Mar./Apr. 1944. 81 Am342
- 23638 STEWART, LADY URSULA. Spring flower decorations. Country Life [London] 95: 505. Mar. 24, 1944. 80 C83
- 23639 TAYLOR, G. M. The root systems of our garden roses. An historical record of the art of budding. Natl. Rose Soc. Rose Ann. 1944: 15-19. 84 N21
- 23640 TEANEY, M. B. Fuchsias "in all their glory" is theme. South. Florist and Nurseryman 7(2): 11-12. Apr. 7, 1944. 80 So86
- 23641 TILLOTSON, H. S. The Passion flower. Flower Grower 31: 199, 232-233. Apr. 1944. 80 M72
- 23642 WATKINS, J. V. Shrubs for Far South gardens. Home Gard. 3(4): 64-66. Apr. 1944. 80 H756
- 23643 WATTS, M. T. The flowers nobody knows. Morton Arboretum Bul. Pop. Inform. 19: 9-12. Mar. 1944. 99.9 M84
- Includes three pages of illustrations of flowers of various trees.
- 23644 WEBSTER, A. J. The fancy class of art-shade roses. (To be cont.) Canad. Hort. & Home Mag. Floral Ed. 67: 78, 81. Apr. 1944. 80 C16F



23645 WICKS, A. T. Hardy flowers in late winter. Gard. Chron. 115: 118. Mar. 18, 1944. 80 G162

23646 WILCOX, R. S. Roving with roses. Minn. Hort. 72: 44-45. Mar. 1944. 81 M66

23647 WILDE, E. I. All-season results with annuals. Home Gard. 3(4): 22-24. Apr. 1944. 80 H756

23648 WILKINSON, J. F. Improving the farm home grounds. Hoard's Dairyman 89: 199, 216. Apr. 10, 1944. 44.8 H65

23649 WILSON, H. VAN P. The silverbell tree [Halesia] -- small and choice. Home Gard. 3(4): 95-96. Apr. 1944. 80 H756

23650 WOODRUFF, LESLIE. Lily trials in Oregon [Croft and other varieties]. Florists' Rev. 94 (2419): 12-13. Apr. 6, 1944. 80 W41

23651 WOODROFFE, F. B. Perennials that give color all summer. Better Homes & Gardens 22(8): 22-23. Apr. 1944. 80 F9424

23652 WRIGHT, RICHARDSON. Single peonies. House and Gard. [Greenwich, Conn.] 65(5): 56-57, 102, 109. May 1944. 80 H81

#### Small Fruits

23653 CHILDERS, N. F. Currants and gooseberries are good. Home Gard. 3(4): 12-14. Apr. 1944. 80 H756

23654 DECKER, J. S. O morangueiro. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 109-162. 9.2 Sa63

23655 EATON, E. L. Sixteen years with cultivated blueberries. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 45-47, 49. 82 N85

23656 FORREST, K. D. Alpine strawberries are very profitable. Pop. Gard. 46: 26. Mar. 25, 1944. 80 G1622

23657 GAY, M. Reconstitution du vignoble marocain: les boutures-greffes. Terre Maroc. 14(170): 9-10. Jan. 1944. 24 T44

23658 HEDRICK, U. P. The best in small fruits. Varieties of particular value to the amateur. Horticulture 22: 151-152. Apr. 1, 1944. 80 H787

23659 HIBON, JEAN. Entretien ou rétablissement de la fertilité au vignoble (Le diagnostic foliaire). Fruits et Primeurs de l'Afrique du Nord 14(144): 28-29. Feb. 1944. 80 F9482

23660 JOHNSTON, STANLEY. The cultivated blueberry. Canad. Hort. & Home Mag. Growers' Ed. 67: 55-57. Mar. 1944. 80 C16

23661 JOHNSTON, STANLEY. Strawberry and raspberry production problems in Michigan State. Canad. Hort. and Home Mag. 67: 78-79. Apr. 1944. 80 C16

23662 LOWDEN, EDWARD. New Canadian strawberries extend season. Market Growers Jour. 73: 126, 135. Apr. 1944. 6 M34

23663 MCCRORY, S. A. How may one produce a supply of [small] fruit at an early date? N. and S. Dak. Hort. 17: 61, 64. Apr. 1944. 81 N817

23664 MCWHORTER, O. T. Small fruits for Oregon home gardens. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 79-84. 81 Or32

23665 MAGILL, W. W. Some new strawberry varieties. Amer. Fruit Grower 64(4): 18. Apr. 1944. 80 G85

23666 TORO, R. E. Consideraciones sobre el estado de la viticultura en las provincias de Nuble y Concepción. Unión Agr. del Sur 1(8): 60-61. Nov. 1943. 9.3 Un3

23667 TUCKER, D. A. Establishing the cane fruit planting. Va. Fruit 32(4): 16-17. Apr. 1944. 81 V81B

23668 VIVET, E. La reconstitution des vignobles de l'Afrique du Nord. Casablanca Chambre d'Agr. Bul. 15(160): 5-11; (161): 7-12. Feb., Mar. 1944. 24 C26

23669 WINTER, J. D. Raspberry varieties. Minn. Fruit Grower 11(1): 11. Mar. 1944. 80 M66

23670 WINTER, J. D. Suggestions for strawberry planting. Minn. Fruit Grower 11(1): 12. Mar. 1944. 80 M66

23671 YANDELL, J. Muscat grapes without fire heat. Gard. Chron. 115: 111. Mar. 11, 1944. 80 G162

#### Vegetable and Truck Crops (Including Potatoes)

23672 ALDERMAN, W. H. How to make our [Victory] gardens produce more. Minn. Hort. 72: 35-36. Mar. 1944. 81 M66

23673 ALLEN, E. J. 1944 Victory gardens. Ark. Farmer 46(3): 8. Mar. 1944. 6 Ar42

23674 BALLARD, W. R. Grow better beans as meat substitute. South. Planter 105(4): 30-31. Apr. 1944. 6 So89

23675 BINKLEY, A. M. After Victory gardens--flowers. Training in vocational horticulture is offered. South. Florist and Nurseryman 56(26): 8, 42. Mar. 24, 1944. 80 So86

23676 BLACKWOOD, B. B. Take a chance when you plant [early vegetables]. Farmer-Stockman 57: 142. Apr. 1944. 6 Ok45

23677 BOWSER, P. H. Sweet corn for the Upper Peninsula. Mich. Agr. Expt. Sta. Quart. Bul. 26: 171-173. Feb. 1944. 100 M58S

23678 BOWSER, PERRY. Protectors [from frost and wind] aid impatient [vegetable] gardeners. Hort. News 10: 40. Apr. 1944. 80 H7815

23679 BREMER, A. H. Grønnsakdyrkinga i år. Under planlegging av årets grønnsakdyrking må en først og fremst gi plass for holdbare og ysterike vekster til vinterdyrking. Norak Landbruk 9: 90-91. Apr. 2, 1943. 11 N8122

Directions for cultivation of vegetables, selected for their calorie, mineral, and vitamin content.

23680 BROWN, E. Size in vegetables. Gard. Chron. 115: 111. Mar. 11, 1944. 80 G162

23681 BROWN, H. D., ALBAN, KENNETH, and HEDGES, RICHARD. War time vegetable tests at Columbus, Ohio. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 69-72. 75.9 Oh3

23682 BURKHARDT, G. E. Good garden greens and how to grow them. House Beautiful 86(4): 62-63. Apr. 1944. 296.8 H81

23683 BUSHNELL, JOHN. New late potatoes for Ohio. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 22-24. 75.9 Oh3

23684 BUSHNELL, JOHN. Some hints for tomato growers. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 43-46. 75.9 Oh3

23685 CAMARGO, F. C. A cultura da cebola. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 460-492. 9.2 Sa63

23686 CARLETON, R. M. Got space for sweet corn? Better Homes & Gardens 22(8): 18, 106-107. Apr. 1944. 80 F9424

23687 CASS SMITH, W. P. Vegetable seed treatment. Seed and Nursery Trader 42(2): 2-5. Feb. 21, 1944. 80 Au7L

23688 \*CEYLON DEPARTMENT OF AGRICULTURE. Sweet potato. Ceylon. Dept. Agr. Leaflet 191 (Food Prod. Leaflet 12), 1 p. Colombo, 1942. 22.5 C33L

23689 COURTENAY, MRS. F. C. Growing tomatoes in the house. Wis. Hort. 35: 199. Apr. 1944. 80 W752

23690 CROSS, ELIZABETH. Rules for pricking out [vegetable seedlings]. Pop. Gard. 46: 29. Mar. 25, 1944. 80 G1622



- 23691 DAVIS, G. N. A newcomer named "Red" is first hybrid onion. South. Seedsman 7(4): 13, 52. Apr. 1944. 61.8 So8
- 23692 DAVIS, G. N. Some cucurbit crossing "tain't so's." Pacific Rural Press [South. Ed.] 147: 172. Mar. 18, 1944. 6 P112A
- 23693 DICKEY, J. B. R. Factors in potato production. Guide Post 21(3): 4-5. Mar. 1944. 75.8 G94
- 23694 \*DOLVEN, ARNT. Dyrking av kålrotfrø. Norsk Landbruk 9: 184-185. July 9, 1943. 11 N8122 Growing kohlrabi seed in Norway.
- 23695 DRAIN, B. D. Canning crop tomato production. South. Canner & Packer 5(3): 10. Mar. 18, 1944. 389.8 So82
- 23696 FARISH, L. R., MOORE, E. L., and CURREY, E. A. Tomato production in Mississippi. Miss. Farm Res. 7(3): 3-6. Mar. 1944. 100 M69M1
- 23697 FRENCH, LARRY. How Milton Roberts grows tomatoes. N. J. Farm and Garden 15(4): 11. Apr. 1944. 6 G162
- 23698 FRENCH, R. B. Victory gardeners reap health. Fresh vitamins and minerals at the back door. Fla. Grower 52(4): 12, 16. Apr. 1944. 80 F6622
- 23699 GARRICK, MARCIA. Shoots in the kitchen. Home Gard. 3(4): 67-68. Apr. 1944. 80 H756 Wild vegetable and salad plants.
- 23700 GIACONI M., VICENTE. El cultivo del es-párrago. Union Agr. del Sur 1(4/5): 51-52. May 1943. 9.3 Un2
- 23701 GRAFFIS, JOE. More V gardens. Golfdom 18(3): 36. Mar. 1944. 60.18 G58 Success of Victory gardening at clubs last year is basis of 1944 expansion.
- 23702 HARLOW, HARRY. Denver, No. 1 Victory garden city. South. Florist and Nurseryman 57(1): 7. Mar. 31, 1944. 80 So86
- 23703 HARRIS, M. R. Condition of war-approved seed potatoes in Ohio. U. S. Bur. Plant Indus., Soils, and Agr. Engin., Plant Dis. Rptr. 28: 227-228, processed. Mar. 15, 1944. 1.9 P69P
- 23704 HATFIELD, SADIE. Use vegetables in the landscape. South. Home and Gard. 11(11): 6-7. Mar. 1944. 80 So824
- 23705 HILL, D. D. Experiments on vegetable seed production in Oregon. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 47-52. 81 Or32
- 23706 HILL, J. Vegetables in the North. Gard. Illus. 64: 315. Apr. 1944. 80 G169
- 23707 HILLS, L. D. A versatile vegetable [salsify]. Home & Country [London] 26: 46. Mar. 1944. 281.28 H752
- 23708 HILTON, R. J. Grow your own Victory garden seed. Canad. Hort. & Home Mag. Growers' Ed. 67: 84. Apr. 1944. 80 C16
- 23709 HOCHBAUM, H. W. "Gung ho" - work together [in the Victory garden program]. U. S. Ext. Serv., Ext. Serv. Rev. 15: 49. Apr. 1944. 1 Ex892Ex
- 23710 HOFFMAN, I. C. Handling the spring tomato crop. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 94, 96, 98, 100, 102-103, 105, 107-110, 112-113, 115-119. 75.9 Oh3
- 23711 HOUSKEEPER, MRS. W. G. Witloff chicory for winter salad. Gard. Club Amer. Bul. 22 (Ser. 8). p. 23. Apr. 1944. 90.32 G16
- 23712 HUNTER, H. A. more tomatoes from fewer acres. South. Planter 105(4): 6, 12. Apr. 1944. 6 So89
- 23713 HUTCHINS, A. E., comp. Vegetable varieties suggested for the home garden. Minn. Hort. 72: 39. 45-46. Mar. 1944. 81 M66
- 23714 ISBELL, C. L. Pass the word to gardeners: graft tomatoes [eggplant, etc.] onto weeds. South. Seedsman 7(4): 15, 42. Apr. 1944. 61.8 So8
- 23715 JACOB, W. C. Analysis of border effect in field experiments with potatoes and cauliflower. Cornell Univ. Abs. of Theses 1942: 488-489. 1943. 241.8 C81
- 23716 JONES, D. F. Sweet corn for home gardens. Horticulture 22: 152. Apr. 1, 1944. 80 H787
- 23717 KANNOWSKI, MRS. M. B. Grand Forks Victory Garden Corps. Parks & Recreation 27: 70-72. Mar./Apr. 1944. 98.8 P23
- 23718 KIMBALL, EDWARD. Importantes consejos prácticos relacionados con el uso correcto de semillas y manejo de las cosechas vegetales. Rev. de Agr. y Com. [Panama] 3(29): 12-15. Jan. 1944. 8 R3291
- 23719 \*KRIEGER. Zum anbau der kartoffel im walde. Deut. Forstwirt 25: 267-268. Aug. 6, 1944. 99.8 D483
- 23720 LACHMAN, W. H. Streamline your Victory garden in 1944. New England Homestead 117(6): 8-9. Mar. 25, 1944. 6 N442
- 23721 \*LID, OLAF. Dyrk mer pastinakk (Grow more parsnips). Norsk Landbruk 9: 104-105. Apr. 16, 1944. 11 N8122
- 23722 LORD, J. R. The Palouse birthplace of fine pea seed. Food Packer 25(5): 39-40, 42. Apr. 1944. 286.83 C165
- 23723 LUM, K. Y. Hunting a secret formula for growing tomatoes. Hawaii Farm and Home 7(4): 21. Apr. 1944. 25 H3191
- 23724 \*LUNDEN, A. P. Settepotetene. Norsk Landbruk 9: 102-103. Apr. 16, 1943. 11 N8122 Seed potatoes.
- 23725 LYONS, W. E. Gardening with Firestone employees. Greenkeepers' Rptr. 12(2): 5-6, 20. Mar./Apr. 1944. 60.18 G18
- 23726 MCCLURE, J. G. K. Salad gardens. Gard. Club Amer. Bul. 22(Ser. 8), p. 19-22. Apr. 1944. 90.32 G16
- 23727 MACK, W. B. The home [vegetable] garden in 1944. Consumers' Res., Inc. Bul. 13(4): 5-8. Apr. 1944. 321.8 C76
- 23728 MCRAE, LESLIE. Garden newcomers you'll like [Oakleaf lettuce, vegetable type soybeans, edible podded peas]. Better Homes & Gardens 22(8): 12. Apr. 1944. 80 F9424
- 23729 MARSHALL, LEE. How does your garden grow? U. S. Agr. Adjustment Admin. Consumers' Guide 10(4): 2. Apr. 1944. 1.94 Ad422C
- 23730 MENDES, C. T. Sementes de batatinha. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 329-340. 9.2 Sa63
- 23731 MENDIZABAL, M. F. Cosecha de papas en verano y otoño. Chacra 14(150): 68. Feb. 1944. 9 C34
- 23732 MEYER, A. C. Frutas, legumes e verduras. Escassez e encarecimento das sementes importadas. Trabalhos experimentais realizados no Instituto Agrônômico. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 256-259. 1943. 31.9 Sa63
- 23733 MILTON, C. R. Beets--you eat them from top to tip. Better Homes & Gardens 22 (8): 86-87. Apr. 1944. 80 F9424
- 23734 MONTELL, E. W. Notes on shipping and storing tomato plants. Canning Trade 66(35): 16-17. Mar. 27, 1944. 286.83 T67
- 23735 MORGAN, C. N. The choko. Queensland Agr. Jour. 58: 27-32. Jan. 1944. 23 Q33



23736 MOSLE, H. B. Home food production job [Victory gardens]. Conn. Circle 7(3/4): 44, 56-57. Apr. 1944. 280.8 G7632

23737 MURDOCH, MRS. PAUL. Unusual garden greens. Horticulture 22: 152. Apr. 1, 1944. 80 H787

23738 ORELLANO Y OROVAL, R. R. DE. El cultivo de la cebolla. Vinos, Viñas y Frutas 39: 254. Jan. 1944. 9 Ag89

23739 OSSA MEJIA, JOSUE. El cultivo de la papa en Caldas. Rev. Nac. de Agr. [Bogotá] 37(476): 19-20. Feb. 1944. 9.4 R32

23740 PICKETT, B. S. Sweet corn for the Lower [Rio Grande] Valley. Tex. Farming and Citric. 20 (9): 4. Mar. 1944. 80 T31

23741 PORTE, W. S. Choosing best tomato for your particular requirement. Market Growers Jour. 73: 76, 100, 102-103. Mar. 1944. 6 M34

23742 REBOUR, H. Le haricot de lima. Fruits et Primeurs de l'Afrique du Nord 14(144): 26. Feb. 1944. 80 F9482

23743 REYES, ISMAEL. El cultivo del flame. Rev. de Agr. y Com. [Panama] 3(29): 24-25. Jan. 1944. 8 R3291

23744 RICHARDS, S. T. Lowly "spud" has now become our most prized vegetable. Ind. Farmers Guide 100(8): 12. Apr. 15, 1944. 6 In2

23745 RIOLLANO, ARTURO. The effect of staking and pruning on tomato plants. Puerto Rico Univ. Jour. Agr. 27: 17-26. Jan. 1943. 8 P832J

23746 ROBINSON, J. D. Growing 600 bu. of potatoes per acre. Mich. Patron 27(3): 5. Mar. 1944. 6 M585

23747 ROCKWELL, F. F. Root crops. Home Gard. 3(4): 43-47. Apr. 1944. 80 H756

23748 ROCKWELL, F. F. Seed sowing [of vegetables] out-of-doors. Home Gard. 3(4): 17-19. Apr. 1944. 80 H756

23749 ROHWEDER, R. A. A safety message for potato growers. Guide Post 21(3): 12-13. Mar. 1944. 75.8 G94

23750 ROSBOROUGH, J. F. Beans for better yields. Farmer-Stockman 57: 142. Apr. 1944. 6 Ok45

23751 ROSBOROUGH, J. F. Victory garden features. Seed treatment. South. Home and Gard. 11(11): 8. Mar. 1944. 80 So824

23752 SAUNDERS, S. C. Victory gardens are big business. U. S. Dept. Com. Dom. Com. 32(4): 15. Apr. 1944. 157.54 D713

23753 SHEWELL-COOPER, W. E. The enormous onion acreage desired the Nation's big effort in 1944. Estate Mag. 44: 74-75. Mar. 1944. 10 Es8

23754 SHEWELL-COOPER, W. E. Reducing the tomato acreage outside. Field 183: 256. Mar. 4, 1944. 10 F45

23755 SMITH, M. R. No time for food gardening? Listen! Amer. Home 31(5): 32, 34. Apr. 1944. 80 Am313

23756 SMITH, ORA. Close up the ranks in the potato field [by planting properly cured cut seed]. [N. Y.] Rensselaer Co. Farm Bur. News 20(12): 1. Mar. 1944. 275.293 N. Y., Rensselaer Co.

23757 SMITH, R. W. Hints for the Victory garden-er. 16. Tampala. Organic Farming 4(4): 11-12. Mar. 1944.

23758 SNYDER, L. C. The use of transplants [in vegetable gardening]. N. and S. Dak. Hort. 17: 57. Apr. 1944. 81 N817

23759 SOUTHWICK, LAWRENCE. Sweetpotatoes in the home garden. New England Homestead 117(7): 7, 14. Apr. 8, 1944. 6 N442

23760 STEPHENS, S. E. Vegetable-growing in North Queensland. (To be cont.) Queensland Agr. Jour. 58: 89-94. Feb. 1944. 23 Q33

23761 TOMALIN, T. E. Important greenhouse food crops [vegetables]. Pop. Gard. 46: 28-29. Mar. 25, 1944. 80 G1622

23762 TOMALIN, T. E. Raise your own tomato plants. Pop. Gard. 46: 37. Apr. 1, 1944. 80 G1622

23763 TOMALIN, T. E. This year's early potatoes, now lose no time in planting them. Pop. Gard. 46: 11. Mar. 11, 1944. 80 G1622

23764 TURNER, C. Chives may need replanting. Pop. Gard. 46: 11. Mar. 11, 1944. 80 G1622

23765 WALKER, D. D. A Victory garden is a back yard must for 1944. Tex. Prog. 3(3): 13, 17. Mar. 1944. 280.8 T313

23766 WARD, W. B. The [vegetable] garden is a magic spot; you plant a little and reap a lot. Ind. Farmers Guide 100(8): 18. Apr. 15, 1944. 6 In2

23767 WEICK, LOUISE. An American vegetable goes to town [Jerusalem artichoke]. Home Gard. 3(4): 56-58. Apr. 1944. 80 H756

23768 WELLS, S. P. Four little cultures. Garlic, mint, gherkins and radishes. Fruit-Grower, Fruiterer, Florist & Market Gard. 97: 262-264. Apr. 6, 1944. 80 F941

23769 WILSON, J. D., and WILSON, J. J. A mosaic-tolerant, pickling-type cucumber. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 110-113. Mar./Apr. 1944. 100 Oh3S

23770 WOODS, J. J. Don't even hesitate: start right now to plan vegetable garden. Country Life [Brit. Columbia] 28(3): 19. Mar. 1944. 7 C832

23771 WOODWARD, L. H. Potato growing for 1944. Rural New-Yorker 103: 185, 192. Apr. 1, 1944. 6 R88

23772 WORK, PAUL. Vegetable seed supply for home gardens. [N. Y., Nassau Co. Farm and Home Bur. News 3(93): 18. Mar. 1944. 275.293 N. Y., Nassau Co.

23773 WORK, PAUL. When to plant 1944 Victory gardens. What's New in Home Econ. 8(8): 28, 84, 86. Apr. 1944. 321.8 W55

23774 WRIGHT, P. H. The newer rhubarbs on the prairies. Canad. Hort. & Home Mag. Growers' Ed. 67: 46. Mar. 1944. 80 C16

#### MISCELLANEOUS ECONOMIC PLANTS

##### General

23775 \*CEYLON, DEPARTMENT OF AGRICULTURE. Manioc. Ceylon. Dept. Agr. Leaflet 190 (Food Prod. Leaflet 11), 1 p. Colombo, 1942. 22.5 C33L

23776 CRAWFORD, VESTA. Useful and ornamental gourds. Capper's Farmer 55(5): 42. May 1944. 6 M693

23777 CULBERTSON, R. E. Flowers that fight malaria ... Pyrethrum production, particularly in the Sierra of Peru and Ecuador. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 66-68. Apr. 1944. 1 F752A

23778 CULBERTSON, R. E. El piretro. Rev. Agr. [Guatemala] 20(10/12): 13-18. Oct./Dec. 1943. 8 G934

23779 FRANCIS, W. D. Edible trees and shrubs. 4. The mulga [Acacia aneura]. Queensland Agr. Jour. 58: 108-110. Feb. 1944. 23 Q33

23780 GUTIERREZ, GABRIEL. Manera de hacer semilleros y viveros. Café de El Salvador 14: 373-374. Feb. 1944. 68.28 C112

23781 \*KLEMM. Die balsamine in Rheinvorland. Sudwestdeut. Bienenztg. 1: 72-73, 121. Aug., Nov. 1943. 424.8 Su24

Use of Impatiens glanduligera as a honey plant.



- 23782 KRUG, C. A. Sementes selecionadas de café. São Paulo (State). Sec. de Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 274-280. 1943. 31.9 Sa67
- 23783 LIMA, A. O., and GRECO, J. B. Alergia polínica no Brasil. (Cont.) Brasil-Med. 57: 475-477, 495-497. Dec. 4/11, 18/25, 1943. 448.8 B73
- 23784 MEDICI, MIGUEL. Nectar y plantas nectaríferas. Campo [Buenos Aires] 28(327): 46-47, 54. Jan. 1944. 9 C15
- 23785 MENDES, C. T. Replanta de um cafezal. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42) 1941: 307-328. 9.2 Sa63
- 23786 MOORE, L. B. War-time interest in marine algae. Chron. Bot. 7: 406-409. Dec. 1943. 450 C46
- Botanical facts affecting the economic importance of algae.
- 23787 \*WALCH, K. Die Sophora japonica in ihrer bedeutung als bienennährpflanze. Südwestdeut. Bienenztg. 1: 116-117. Nov. 1943. 424.8 Su24
- Drug, Herb, and Condiment Plants
- 23788 \*AHLQUIST, R. P. The drug garden as a teaching aid in pharmacognosy. Indian Jour. Pharm. 5: 175-177. Oct./Dec. 1943. 396.8 In23
- 23789 \*BAL, S. N. The role of pharmacognosy in pharmaceutical industry. Indian Jour. Pharm. 5: 156-160. Oct./Dec. 1943. 396.8 In23
- 23790 LOS BOSQUES de quina los están destruyendo los explotadores. Rev. Nac. de Agr. [Bogotá] 37 (476): 29. Feb. 1944. 9.4 R32
- 23791 FOSTER, BUNNY. Have you tried growing herbs from seed? Home Gard. 3(4): 33-35. Apr. 1944. 80 H756
- 23792 HAIRSTON, VIVIAN. Flowers and herbs in cooking. South. Home and Gard. 11(11): 3. Mar. 1944. 80 So824
- 23793 HAMBLIN, S. F. The herb rock garden. Amer. Rock Gard. Soc. Bul. 2: 19-21. Mar./Apr. 1944. 91 Am342
- 23794 HOEHNE, F. C. A importância das quineiras e a viabilidade de sua cultura no Brasil. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 264-274. 1943. 31.9 Sa63
- 23795 HOPKINS, S. J. The evaluation of crude drugs. Manufacturing Chem. 15: 98-101. Mar. 1944. 296.8 M31
- 23796 KOBAR, ANTONIO. Principales plantas medicinales de El Salvador. (Cont.) Café de El Salvador 14: 375-378. Feb. 1944. 68.28 C112
- 23797 KRUG, C. A. A quineira e a malária. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 269-263. 1943. 31.9 Sa63
- 23798 MACGREGOR, M. M. Do you have these pleasant thymes? Better Homes & Gardens 22(8): 60, 98. Apr. 1944. 80 F9424
- Suggestion for an herb garden.
- 23799 \*QAZILBASH, N. A. The santonin-containing Artemisia of the Kurram Valley. Indian Jour. Pharm. 5: 161-163. Oct./Dec. 1943. 396.8 In23
- 23800 SCHMIDT, C. B. O cravo da Índia. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 299-302. 1943. 31.9 Sa63
- 23801 SCHMIDT, C. B. A pimenta do reino. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 296-299. 1943. 31.9 Sa63
- 23802 STEARNS, M. G. The aromatic life. Herbarist No. 10, p. 22-27. 1944. 80 H41
- Uses for aromatic herbs.
- Dye and Tannin Plants
- 23803 BOYD, I. L. Germination tests on four species of sumac. Kans. Acad. Sci. Trans. (1943) 46: 85-90. 500 K13T
- 23804 MILLINGTON, A. J. Experiments with safflower in Western Australia. West. Austral. Dept. Agr. Jour. 20: 313-315. Dec. 1943. 23 W52J
- Rubber Plants
- 23805 LEDEBOER, MARIA. Research on substitutes Euphorbia and Landolphia for Hevea rubber. Chron. Bot. 7: 437. Dec. 1943. 450 C46
- 23806 MILLINGTON, A. J. Rubber production in relation to Western Australia. Part II. West. Austral. Dept. Agr. Jour. 20: 355-356. Dec. 1943. 23 W52J
- Experiments with the Russian dandelion, Taraxacum kok-saghyz.
- Weeds and Poisonous Plants
- 23807 BELL, H. M., and DYKSTERHUIS, E. J. Fighting the mesquite and cedar invasion on Texas ranges. Cattleman 30(11): 19-20, 71. Apr. 1944. 49 C29
- 23808 BLACKMAN, G. E. Alternatives to sulphuric acid for the control of annual weeds in cereals. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 38-41. Apr. 1944. 10 G79J
- 23809 BOND, R. M., and SCHEFFER, P. M. Sneaking up on weeds. U. S. Soil Conserv. Serv., Soil Conserv. 9: 209-211. Mar. 1944. 1.6 So3S
- 23810 DOUGLAS, C. A., WHITE, D. ST. C., and LONGLEY, R. P. Weed Committee. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1943) 80: 85-86. 82 N85
- 23811 FRIEDRICH, C. A. Killing cheatgrass. Mont. Farmer 31(15): 14. Apr. 1, 1944. 6 M764
- 23812 HARRIS, L. E. Control of wild morning glory by cultural practices. Oreg. State Hort. Soc. Proc. (35th Ann. Rpt., 1943) 58: 75-80. 81 Or32
- 23813 ISELY, DUANE. A study in the identification of weeds in the vegetative condition. Cornell Univ. Abs. of Theses 1942: 373-374. 1943. 241.8 C81
- 23814 LECOT, J. A. Las stipeas en inspección de carnes. La Plata. Univ. Nac. Facult. de Med. Vet. An. (1942) 5: 148-159. 41.9 L312A
- Stipa neesiana.
- 23815 LEE, O. C. Plan for weed control. Ind. Farmers Guide 100(8): 16. Apr. 15, 1944. 6 In2
- 23816 POTTS, R. C. Don't argue with weeds - kill 'em. Farm and Ranch 63(4): 13. Apr. 1944. 6 T31
- 23817 PREEZ, W. B. The nut grass (uintjie) pest. A survey of the habits of growth, propagation, and control of nut grass. Farming in So. Africa 19: 11-20. Jan. 1944. 24 So842
- Cyperus rotundus and C. esculentus.
- 23818 \*SHARMA, K. N. Poisonous plants of Nepal. Indian Vet. Jour. 20: 165-168. Jan. 1944. 41.8 In2
- List of plants causing death or poisonous symptoms in animals.
- 23819 \*VIDME, T. Kampen mot ugraset. Norsk Landbruk 9: 251-253. Sept. 17, 1943. 11 N8122
- Weed control during wartime.
- 23820 VON TEMPSKY, ROBERT. Pests [weeds] of Maui's grazing range. Hawaii Farm and Home 7(4): 9. Apr. 1944. 25 H3191



SOILS AND FERTILIZERSSOIL SCIENCE

23821 \*EHRENBERG, PAUL. Flüggenböden. Ein Beitrag zur Geschichte der nordwestdeutschen Sonderform der anlageböden, ihrer Entstehung und Umwandlung. Kulturtechniker 45: 1-20. Jan./Apr. 1942. 18 K95

23822 \*PRONIN, D. Einleitende Untersuchungen von Moorflächen als Grundlage für ihre Erschließung. Kulturtechniker 45: 94-100. May/June 1942. 18 K95

23823 RUSSELL, SIR E. J. Science and crop growth. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 1-4. Apr. 1944. 10 G79J

23824 SETZER, JOSÉ. O exame do solo no campo. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42) 1941: 421-427. 9.2 Sa63

23825 SETZER, JOSÉ. Os solos da noroeste. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42) 1941: 453-465. 9.2 Sa63

23826 SETZER, JOSÉ. O uso racional do solo. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 67-80. 9.2 Sa63

23827 \*ZUNKER. Normblatt-entwurf über kulturtechnische Bodenuntersuchungen. Kulturtechniker 45: 211-223. Sept./Oct. 1942. 18 K95

Soil Physics

23828 ALSTON, P. W. The technique of soil-moisture determination. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 576-577. 1943. 66.9 Am35

23829 RITTENHOUSE, GORDON, and CONNAUGHTON, M. P. Errors of sampling sands for mechanical analysis. Jour. Sedimentary Petrology 14: 20-25. Apr. 1944. 398.8 J82

Soil Chemistry and Mineralogy

23830 GEERING, J. Lysimeter-versuche der Eidg. Landw. Versuchsanstalt Zürich-Oerlikon. Landw. Jahrb. der Schweiz 57: 107-182. 1943. 17 L23

23831 JAMISON, V. C. The effect of phosphates upon the fixation of zinc and copper in several Florida soils. Fla. State Hort. Sec. (1943): 56: 26-31. 81 F66

23832 SETZER, JOSÉ. Avaliação sumária da riqueza química do solo para fins agrícolas em geral. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 317-324. 9.2 Sa63

Soil Microbiology

23833 GARASSINI, L. A. Comparación de métodos para la determinación del poder nitrificador de los suelos. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 96-107. 1942. 389.9 Ar3Pu

23834 IACONIS, C. L. Sobre la presencia de algunas actinomycetales en el suelo. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 139-147. 1942. 389.9 Ar3Pu

23835 MCCALLA, T. M. Microbiological studies of the effect of straw used as a mulch. Kans. Acad. Sci. Trans. (1943) 46: 52-56. 500 K13T

Soil-Plant Relationships and Soil Requirements

23836 DONEEN, L. D. Some soil-moisture conditions in relation to growth and nutrition of the sugar-beet plant. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 54-62. 1943. 66.9 Am35

23837 \*KRAHMER, R. Holzwuchs auf moorboden. (To be cont.) Deut. Landeskult.-Ztg. Beilage: Mitt. f. Moorwirtsch. 8: 17-18, 23-24. June, Aug./Sept. 1943. 18 D484

23838 \*LUDWIGS. Luftarmut im Boden als Krankheitsursache. Deut. Gart. 58: 43-44. Apr. 1943. 80 P883

23839 NUCKOLS, S. B. Studies of moisture requirements of sugar beet. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 41-53. 1943. 66.9 Am35

23840 STOKER, G. L. Soil deficiencies as relates to sugar-beet seed production in the Willamette Valley, Oregon. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 103-111. 1943. 66.9 Am35

Soil Genesis, Formation, Classification, and Mapping

23841 WYATT, F. A., and others. Soil survey of Rosebud and Banff sheets. Alberta Univ. Col. Agr. Bul. 40, 126 p. Edmonton, 1943. 101 AL1B

J. D. Newton, W. E. Bowser, and W. Odynsky, joint authors.

Appendix, entitled: The relation of the geology of the soils in the Rosebud and Banff sheets, by J. A. Allan.

SOIL MANAGEMENT

23842 MCMILLAN, J. A. Fenland farming. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 4-8. Apr. 1944. 10 G79J

23843 WILLSON, F. S. Spring soil moisture. Mont. Farmer 31 (15): 10. Apr. 1, 1944. 6 M764

Soil Fertility

23844 ALBRECHT, W. A. Better pastures depend on soil fertility. Fert. Rev. 19: 2, 6-7, 10. Jan./Mar. 1944. 57.8 F414

23845 ALBRECHT, W. A. Fertility: the 4th dimension. The fight for survival starts at the tips of roots, delimits regions, sways elections and moves armies. Land [Columbus, Ohio] 3: 185-198. 1943-44. 279.8 L22

23846 ALBRECHT, W. A. Soil fertility and national nutrition. Amer. Soc. Farm Managers and Rural Appraisers. Jour. 8 (1): 45-66. Apr. 1944. 281.8 Am32

23847 ARAUJO, EUGENIO. La fertilidad de la tierra, base de la prosperidad y felicidad. Rev. de Agr. [Costa Rica] 16: 29-32. Jan. 1944. 8 E41

23848 \*ASDONK, T., and JACOB, A. Zusammenfassung der Ergebnisse der in den Jahren 1935-1938 durchgeführten Kalidüngungsversuche der Landwirtschaftlichen Technischen Kalistelle und der Landwirtschaftlichen Abteilung des Deutschen Kalisyndikats. II. Ruben, III. Getreide, IV. Mais, V. Raps. Bodenk. u. Pflanzenernähr. 31: 197-215, 325-345. 1943. 384 Z343A

Sugar beets, mangel, kohlrabi, grain, corn, rape.

23849 BARTHOLOMEW, R. P. Limited manure turn-under better. Better yield from seed cotton when smaller amount of green manure turned under. Ark. Farmer 46 (3): 9. Mar. 1944. 6 Ar42

23850 BENSON, K. E. More about soybeans: corn and beans remove about the same amount of potash, phosphate per acre. Ind. Farmers Guide 100(8): 4. Apr. 15, 1944. 6 In2

Fertilizing soybeans.

23851 BELL, H. G. New method of fertilizing corn. Canad. Countryman 33 (7): 29. Apr. 1, 1944. 7 C833

23852 \*BRÜHNE, A. Die Frage der Verklärung bei der landwirtschaftlichen Verwertung von Abwässern. Kulturtechniker 45: 59-66, 101-121, 224-257, 292-302. 1942. Ref., p. 299-302. 18 K95



- 23853 CARTER, L. C. Rice fertilizers for increased production. *Rice Jour.* 47 (3): 9-10, 21-22. Mar. 1944. 59.8 B36
- 23854 CHAPMAN, C. J. Doubling production by bettering soils. *Better Crops with Plant Food* 28 (3): 6-10, 48-50. Mar. 1944. 6 B46  
Soil improvement.
- 23855 COMIN, DONALD. Possibilities of muck soils for increasing production of essential crops - demands for dehydration. *Ohio Veg. and Potato Growers Assoc. Proc.* (1943) 28: 74-80. 75.9 Ch3
- 23856 COWART, ROLAND. Use ammonium nitrate with assurance. *Miss. Farm Res.* 7 (3): 2. Mar. 1944. 100 M69M1
- 23857 CRAIG, W. Chemistry. Mauritius. Dept. Agr. Sugarcane Res. Sta. Ann. Rpt. (1942) 13: 12-18. 1943. 24 M44JA  
Manure and fertilizer tests.
- 23858 CUMMINGS, R. W. Lime - the foundation for building soil. *Res. and Farming. Prog. Rpt. N. C. Sta.* 2 (1): 9-10. Jan. 1944. 100 N81R
- 23859 DAVIS, J. F., and COOK, R. L. Fertilizers for cannery peas. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 200-206. Feb. 1944. 100 M58S
- 23860 ENGELS, O. Der einfluss des kalkes auf ertrag und qualität der kartoffeln. *Landesbauernschaft Württemb. Wchnbl.* 110: 264. Apr. 17, 1943. 18 W96
- 23861 EVANS, R. M. In time of change. *Land Columbus, Ohio* 3: 143-148. 1943-44. 279.8 L22  
Preservation of soil fertility through soil conservation.
- 23862 FOSS, HAAKON. Gjødslingsproblemerne under den nuværende unormale gjødelsessituasjon. *Norsk Landbruk* 9: 87-89. Apr. 2. 1943. 11 N8122
- 23863 GARMAN, W. H. The response of various crops to potash fertilization in South Carolina. *Better Crops with Plant Food* 28 (3): 11-20, 46-48. Mar. 1944. 6 B46
- 23864 GEYER, BR. Die kürzung der kaliberzugsrechte im düngjahr 1943/44. *Landesbauernschaft Sachsen-Anstalt. Wchnbl.* 101: 300. May 29, 1943. 18 Sa9
- 23865 GIACONI M., VICENTE. Suelos para hortaliças. *Campesino Santiago* 76: 58. Feb. 1944. 9.3 Sol2
- 23866 HALVERSON, J. O., and SHERWOOD, F. W. Increasing feed value of pastures by fertilizers. *Res. and Farming. Prog. Rpt. N. C. Sta.* 2 (1): 7. Jan. 1944. 100 N81R
- 23867 HOWARD, SIR ALBERT. Soil fertility - the foundation of agriculture. *Organic Gard.* 4 (4): 6-9. Mar. 1944. 56.8 Or3
- 23868 IARUSOV, A. Chto daet vnesenie v pochvu malykh kolichestv izvesti [The effect of small amounts of lime on soil fertility. *Kolkhoznoe Proizvodstvo*, No. 1. v. 17. Jan. 1943. 281.8 K83
- 23869 JOHNSON, BURT. An experiment in applying fertilizer to cotton. (Concl.) *Chemurg. Digest* 3: 88-90. Mar. 31. 1944. 381 N213Na
- 23870 JOHNSON, WALLACE. The importance of fertilizer. *N. Mex. Ext. News* 24 (3): 6. Mar. 1944. 275.29 N463Ex
- 23871 JOHNSTON, J. C. Feeding citrus trees. *Pacific Rural Press South. Ed.* 147: 170-171. Mar. 18. 1944. 6 P112A
- 23872 JONES, L. T. Some organic manures used with vegetables. *West Austral. Dept. Agr. Jour.* (Ser. 2) 20: 281-285. Dec. 1943. 23 W52J
- 23873 KIME, C. D., JR. Leaching of potash from a sandy citrus soil of Florida. *Fla. State Hort. Soc. Proc.* (1943) 56: 43, 48. 81 F66
- 23874 KLEMMME, A. W. Use of right plant food assures...higher yields better quality. *Mo. Farmer* 85(7): 5, 16-17. Apr. 8, 1944. 6 M696
- 23875 KOMAROV, I. Tena torfa [The value of peat]. *Kolkhoznoe Proizvodstvo*, No. 5/6, p. 10. May/June 1943. 281.8 K83  
The value of peat as a fertilizer.
- 23876 KUZNETSOVA, A. I. Zola kamennykh uglei kak udobrenie [Coal ashes as fertilizer]. *Sel'so (Ser. Kolkhoz. Zeml.) v. 12, No. 218, 2 p.* Oct. 1943. 20 Se475
- 23877 MCNEW, G. L., and SAYRE, C. B. Effect of soil fertility on returns from use of fungicides. *Canner* 98(16): 16-18, 42. Mar. 18, 1944. 286.83 C16  
Experiments with peas and tomatoes.
- 23878 MENDES, C. T. As adubações na cultura do milho. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41)* 1940: 91-108. 9.2 Sa63
- 23879 MOLFINO, R. H. E. Influencia de la reacción del suelo sobre el rendimiento de un ensayo de lino oleaginoso. *La Plata. Univ. Nac. Facult. de Agron. Rev.* 25: 141-174. Dec. 29, 1943. 9 R32  
English summary.
- 23880 MORELAND, W. S. Bigger and better garden crops. *Sci. Digest* 15(5): 7-9. May 1944. 470 Sci27  
Use of fertilizers.
- 23881 NELSON, N. T. The future of tobacco soils. *Lighter* 14 (1): 1-2. Feb. 1944. 286.89 C16
- 23882 NICOLAISEN. Wirtschaftliche spargeldung. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 316. June 5, 1943. 18 Sa9
- 23883 NISSLEY, C. E. Tillage and fertilization below plow depth pay big dividends. *N. J. Agr.* 20 (2): 1-2, 8. Mar./Apr. 1944. 275.28 N46
- 23884 NOLL, C. F., and BECHDEL, S. I. Give your pastures an opportunity to feed your livestock better. *Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 2), p. 7.* Mar. 1944. 100 P381
- 23885 NUCKOLS, S. B. Use of manures for sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* (1942) 3: 121-137. 1943. 66.9 Am35
- 23886 PETERBURGSKIY, A. Neispol'zovannye rezervy urozhainosti [Unused reserves of productivity]. *Sovkhoznoe Proizvodstvo* 3 (12): 14-16. Dec. 1943. 20 So85  
Discusses the importance of manure fertilization.
- 23887 REED, J. F. Soil tests indicate potash levels. *Better Crops with Plant Food* 28 (3): 23, 44-46. Mar. 1944. 6 B46
- 23888 RODRIGUES FILHO, A. J. Em torno da agricultura. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41)* 1940: 81-90. 9.2 Sa63
- 23889 RODRIGUES FILHO, A. J. Pomares cítricos. Tratos culturais relativos ao solo. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42)* 1941: 533-538. 9.2 Sa63
- 23890 SCHUMACHER. Die ergebnisse der bewässerungsversuche auf den siegerländer rieselwiesen 1936-1939. *Kulturtechniker* 45: 259-286. Nov./Dec. 1942. 10 K88
- 23891 SETZER, JOSE. O combate à acidez do solo. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42)* 1941: 428-435. 9.2 Sa67
- 23892 SKUDERNA, A. W. Resume of commercial fertilizer studies with sugar beets. *Amer. Soc. Sugar Beet Technol. Proc.* (1942) 3: 138-146. 1943. 66.9 Am35



23893 \*SOBOLEV, F. Pozhniivnoe zelenoe udobrenie v oroshaemykh raionakh svezkoseiania [Post-harvest green fertilization in the irrigated regions of the sugar beet]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 155/156, 4 p. July 1943. 20 Se475

23894 STEPHENSON, R. E. Improvement of soil structure. Calif. Cult. 91: 198. Apr. 15, 1944. 6 C12

23895 STEPHENSON, R. E. Nutrient deficiency correction. Calif. Cult. 91: 202. Apr. 15, 1944. 6 C12

23896 TYSON, J. Balance garden soil fertility to produce nutritious vegetables. Hort. News 10: 36, 41. Apr. 1944. 80 H7815

23897 UNDERWOOD, J. C. The yield and quality of Pennsylvania cigar-leaf tobacco as influenced by fertilizer treatment and system of rotation. Pa. State Col. Abs. Doctoral Diss. (1942) 5: 57-63, processed. 1943. 241.8 P38

23898 VAN DOREN, A. Ammonium nitrate as an orchard fertilizer. Nassau County [N. Y.] Farm and Home Bur. News 30 (3): 12. Mar. 1944. 275.293 N.Y., Nassau Co.

23899 VERGARA, G. A. El agotamiento del suelo y su mejoramiento por el abono verde. Campe [Buenos Aires], 28 (327): 6, 61. Jan. 1944. 9 C15

23900 WALRATH, E. K. 1944 vegetable fertilizers. East. States Co-op. 20(1): 22-23. Jan. 1944. 280.28 Ea7

23901 WELLINGTON, RICHARD, and COLLISON, S. E. Nitrogen and grape yields. The results of tests by New York State Agricultural Experiment Station. Wine Rev. 12(3): 38, 40. Mar. 1944. 390.8 W722

23902 WINTER, J. D. Sawdust as a mulch. Minn. Fruit Grower 11 (1): 16-17. Mar. 1944. 80 M66

#### Soil Tilth and Tillage

23903 THE DUEL of disc and plow. Sir Albert Howard of England, Mr. Ed. Faulkner of Ohio & others conclude a symposium of opinions as to the evil or virtue of turning the mould. Land [Columbus, Ohio], 3: 155-161. 1943-44. 279.8 L22

23904 \*KRALIN, P. Kogda nachinat' vesennie raboty na pelfakh [When to start spring work in the fields]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 10-11, Feb./Mar. 1943. 281.8 K83

Discusses the preliminary work performed on the fields including the introduction of fertilizers into the soil prior to the spring plowing.

23905 \*LEDERER, MAX. Ist die moorkultur in gegenwart und zukunft wirklich eine überholte angelegenheit? (To be cont.) Deut. Landeskult.-Ztg. Beilage: Mitt. f. Moorwirtsch. 8: 13-14. Apr. 1943. 18 D484

23906 \*MAL'FEEV, T. Agrotekhnika parev v kolkhoze "Zavety Lenina" [Technique of fallow tillage in the kolkhoz "Zavety Lenina"]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 11-12. May/June 1943. 281.8 K83

23907 REID, E. G. Mulch and hill. Free Amer. 8 (1): 14, 16. Spring 1944. 280.8 F872

23908 \*SALTREGE, THV. En regel om når jorda best lar seg arbeide. Norsk Landbruk 9: 118-119. Apr. 30, 1943. 11 N8122

Discusses the proper time to work the soil.

23909 \*SLOBODCHIKOV, D. Chistye pary [Clean fallows]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 9-10. May/June 1943. 281.8 K83

#### Drainage, Irrigation, Water Supply, and Flood Control

23910 \*\*ARCHIBALD, E. S. Maritime dykeland rehabilitation. Canad. Geog. Jour. 28: 198-202. Apr. 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30(29): 18. Apr. 22, 1944. 241.11 P96

23911 BARKER, ARTHUR. Mole drainage. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 8-11. Apr. 1944. 10 G79J

23912 BEELER, M. N. Floods start on hilltops. Capper's Farmer 55 (5): 13. May 1944. 6 M693

23913 BLANCHET, JEAN. L'égouttement du sol. Terre de Chez Nous 16 (27): 7. Apr. 5, 1944. 7 T27

23914 COCKER, H. R. Subsoil irrigation. Gard. Chron. 115: 118. Mar. 18, 1944. 80 G162

23915 D., M. I. The Queensland land and water resources development act of 1943. Rural Bank N. S. Wales. Farm Front 2: 22-23. Feb. 1944. 281.9 R883

23916 DAHLBERG, H. W., and MAXSON, A. C. Practical control of date of irrigation by means of soil-moisture blocks. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 37-40. 1943. 66.9 Am35

23917 EDLEFSEN, N. E., ANDERSON, A. B. C., and MARCUM, W. B. Methods of measuring soil moisture. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 26-36. 1943. 66.9 Am35

For irrigation.

23918 FITZHUGH, E. A. Goldbergerian gadget may boost valley's output. U. S. Soil Conserv. Serv. Soil Conserv. 9: 229-231. Apr. 1944. 1.6 So38

Drainage meter.

23919 FLEMING, ROSCOE. Future of N. D. farmers, 7 other States, tied to competing plans for Missouri. N. Dak. Union Farmer 10(22): 3. Mar. 6, 1944. 280.28 N812

Plan of regional development and reclamation for the Missouri River Basin.

23920 HALL, L. S. Sedimentation in reservoirs. Discussion. Amer. Soc. Civ. Engin. 70: 521-527. Apr. 1944. 290.9 Am3P

23921 HAPP, S. C. Significance of texture and density of alluvial deposits in the Middle Rio Grande Valley. Jour. Sedimentary Petrology 14: 3-19. Apr. 1944. 398.8 J82

23922 HAW, J. W. A postwar program for irrigated land expansion. Agr. Engin. 25: 142, 144. Apr. 1944. 58.8 Ag83

23923 HAZELTINE, NORMA. Sub-irrigation boosts Victory gardens in dry areas of State [Colorado]. West. Farm Life 46(8): 5. Apr. 15, 1944. 6 R153

23924 \*KONDRATENKO, R., SHUL'GIN, A., and KUPERMAN, F. Letnie podsolnechnikovye kulisy [Summer sunflower barriers]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 12. May/June 1943. 281.8 K83

Planting summer sunflower barriers in Siberia for the retention of snow in the fields.

23925 \*KREMEMETSKIY, N. Sovety polival'shchikam [Advice to the water workers]. Kolkhoznoe Proizvodstvo, No. 5/6, p. 26-27. May/June 1943. 281.8 K83

23926 LAMONT, N. Surplus water. Good drains make a better farm. New Zeal. Dept. Agr. Bul. 205, 7 p. Wellington. 1944. 23 N48Bu

23927 \*LISOVSKIY, M. Na ogorode kolkhoza "Luch Oktabria" [On the garden of the kolkhoz "Luch Oktabria"]. Kolkhoznoe Proizvodstvo, No. 2/3, p. 28. Feb./Mar. 1943. 281.8 K83

By organizing proper irrigation of the vegetable gardens in the Bashkir republic the yields of vegetables have been increased.

23928 MISSOURI. CONSERVATION COMMISSION. Multiple purpose farm ponds. Mo. Conserv. Comm. Bul. 15, 16 p. Jefferson City, 1943. 279.9 M69

23929 PEDRERO M., J. J. Zanjias de riego o regaderas. Irrig. en Mex. 24 (6): 66-75. Nov./Dec. 1943. 55.8 Ir76

23930 PICK, L. A. Navigation and flood control. Amer. Planning and Civic Ann. 1943: 97-100. 280.9 Am322



- 23931 PRICE, CHARLES, and HUBERTY, M. R. Irrigation of sugar beets grown for seed in Hemet Valley, California. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 65. 1943. 66.9 Am35
- 23932 SNYDER, D. W., JR. Flood control in Osage. Mo. Wildlife 6(2): 4-6, 10-11. Apr. 1944. 279.8 M692
- 23933 STONE, C. H. Water compacts of the West. Amer. Planning and Civic Ann. 1943: 92-96. 280.9 Am322
- 23934 TIMM, C. A. Water treaty between the United States and Mexico. U. S. Dept. State. Bul. 10: 282-292. Mar. 25, 1944. 150 B87
- Relates to the conservation, control, distribution, and use of the available water supply of the Rio Grande below Fort Quitman, Tex., and of the Colorado and Tijuana Rivers.
- 23935 UHLAND, R. E. Drainage doubles yields on Maryland's Eastern Shore. U. S. Soil Conserv. Serv. Soil Conserv. 9: 221-223, 231. Apr. 1944. 1.6 So3S
- 23936 YOUNG, W. R. Economic reclamation projects in western public works. Amer. Planning and Civic Ann. 1943: 117-120. 280.9 Am322

#### Erosion and Erosion Control

- 23937 AVELLAR MARQUES, J. Q. DE. El problema de la conservación del suelo Paraguayo. Paraguay. Min. de Agr., Com. e Indus. Rev. 2(10): 24-38. June 1943. 9.7 Ag8R
- 23938 BALLY, W. International collaboration in the field of soil conservation. Chron. Bot. 7: 429-430. Dec. 1943. 450 C46
- 23939 BENNETT, H. E. War and post-war production. Amer. Planning and Civic Ann. 1943: 31-42. 280.9 Am322
- 23940 BROMFIELD, LOUIS. Friends of the Land. Ala. Conserv. 15 (10): 7, 15. Apr. 1944. 279.8 A11
- 23941 CLEGHORNE, J. W. Soil-erosion works and farming systems. Farming in So. Africa 19: 35-38, 54. Jan. 1944. 24 So842
- 23942 ELLISON, W. D. Studies of raindrop erosion. (To be cont.) Agr. Engin. 25: 131-136. Apr. 1944. 58.8 Ag83
- 23943 ESSELEN, LOUIS. Save our soil! Farming in So. Africa 19: 7-10. Jan. 1944. 24 So842
- 23944 GRÜNER, GLIEB. La erosión en Misiones. Argentina. Min. de Agr. Bol. Estud. y Expt. 6, No. 2, 77 p. Buenos Aires, 1941. 9 P943E
- 23945 HAUGER, R. L. Production increased in coastal area by soil conservation program. Coastal Cattleman 10 (2): 7-8. Apr. 1944. 43.8 C63
- 23946 MARKS, R. M. A farmer talks on permanent cover crops. U. S. Soil Conserv. Serv. Soil Conserv. 9: 226-227, 231. Apr. 1944. 1.6 So3S
- 23947 \*OBERDORF, F. Wirtschaftliche auswirkungen und massnahmen zur bekämpfung der bodenerosion im moränengebiet norddeutschlands. Kulturtechniker 45: 127-209. July/Aug. 1942. 18 K45
- 23948 PATIÑO, L. R. La importancia de la conservación del suelo. Irrig. en Mex. 24 (6): 5-22. Nov./Dec. 1943. 55.8 Ir76
- 23949 PORTSMOUTH, EARL OF. Erosion - as great an enemy as Hitler. Jamaica Agr. Soc. Jour. 47: 243-245. Sept./Oct. 1943. 8 J223
- 23950 QUEVEDO, C. V. Conservación del suelo. Campo, Buenos Aires, 28(327): 34-36, 62. Jan. 1944. 9 C15
- 23951 SHAULIS, M. J., and DUNBAR, C. O. Peach orchard cover crop practice varies to suit soils and seasons. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 2), p. 2-3, 9. Mar. 1944. 100 P381
- 23952 TINDALL, CORDELL. Contour farming promises peak production plus soil protection. Mo. Farmer 85(7): 1, 14. Apr. 8, 1944. 6 M696

- 23953 \*VAN AARTSEN, J. P. Érosion et conservation du sol dans l'Union Sud-Africaine. Internatl. Inst. Agr. Internatl. Rev. Agr. 34: 157T-211T. May 1943. Ref., p. 206T-211T. 241 In82A
- 23954 WELCH, E. G. Erosion control on slopes steeper than 12 percent. Agr. Engin. 25: 123-124. Apr. 1944. 58.8 Ag83

#### Sanitation

- 23955 ATKINS, FRANK. Speeding up soil sterilization. Gard. Chron. 115: 100. Mar. 4, 1944. 80 G162
- 23956 STEPHENSON, WILLIAM. The effect of certain inorganic chloride solutions upon the movement of a soil nematode (*Rhabditis terrestris* Stephenson), and upon its bodily size. Parasitology 35: 167-172. Mar. 1944. 448.8 P21

#### MATERIALS FOR SOIL IMPROVEMENT

- 23957 BAYLOR, H. B. Keep your feet on the ground. A short review of the fertilizer situation and a few suggestions. Com. Fert. 68 (4): 13-14. Apr. 1944. 57.8 C73
- 23958 \*BURR. Die versorgung mit düngemitteln im düngerejahr 1943/44. Landesbauernschaft Württemb. Wchnbl. 110: 465. Aug. 14. 1943. 18 W96
- 23959 \*GEYER, B. Der einsatz der handelsdüngemittel: auch nach der bestellung ist er erfolgversprechend! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 203. Apr. 3, 1943. 18 Sa9
- 23960 JENSEN, J. E. Fertilizers - manner of application. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 119-120. 1943. 66.9 Am35
- 23961 LOCKWOOD, M. E. This is the fertilizer supply outlook. East. States Co-op. 20: 13-15. Feb. 1944. 280.28 Ea7
- 23962 PORTER, L. G. The fertilizer situation from a national standpoint. Fla. State Hort. Soc. Proc. (1943) 56: 98-100. 81 F66
- 23963 WOODS, F. J. The fertilizer situation in Florida. Fla. State Hort. Soc. Proc. (1943): 56: 95-97. 81 F66

#### Primary Materials ( N, P, & K Fertilizers )

- 23964 DAVIS, R. O. E. Ammonium nitrate hazards in handling as a fertilizer. Chem. & Metall. Engin. 51 (4): 101. Apr. 1944. 381 E12
- 23965 \*SÖLDNER, R. Versorgung mit stickstoffdüngemitteln im düngerejahr 1943/44. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 324. June 12, 1943. 18 Sa9

#### Mineral Soil Amendments ( lime, gypsum, etc.)

- 23966 \*KEDROV-ZIKHMAN, O. K. Ispol'zovanie mestnykh istochnikov syr'ia dlia izvestkovaniia pochvy v usloviiakh voennogo vremeni [Utilization of local sources of raw material in liming soils under wartime conditions]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 268/270, 4 p. Dec. 1943. 20 Se475

#### Manures and Composts

- 23967 ARMENTA, A. L. Cómo preparar abono en su finca. Vida Rural 5 (54): 12. Jan. 1944. 9.4 V66
- 23968 \*BURR. Pflege des stallmistes. Landesbauernschaft Württemb. Wchnbl. 110: 311. May 15, 1943. 18 W96
- 23969 FALBESONER, JOSEPH. Barnyard manure is most valuable fertilizer. Dairy Goat Jour. 22 (2): 7. Apr. 1944. 40.18 M592
- 23970 GERICHKE, S. Wirkung und leistung der stallmistphosphorsäure. Bodenk. u. Pflanzenernähr. 31: 138-184. 1943. Ref., p. 182-184. 384 Z343A



23971 \*GUROV, P. Kak prigotoviat' torfo-zemle-navoznye, torfo-zemle-fekal'nye i torfo-zemle-musor-nye komposty [How to prepare peat-earth-manure, peat-earth-animal excrement, and peat-earth-garbage com-  
posts]. Sel'se (Ser. Kolkhoz. Zeml.) v.12, No. 237/  
238, 2 p. Oct. 1943. 20 Se48

23972 \*GUROV, P. O zagotovke mestnykh udob-  
renii [Concerning the preparation of local fertiliz-  
ers]. Kolkhoznoe Proizvodstvo, No. 10, p. 16-17.  
Oct. 1943. 281.8 K83

23973 \*LOGVINOVA, Z. V. Torfozhizhevyi kompost,  
kak tsennoe organicheskoe udobrenie [Peat and liquid  
manure compost as a valuable organic fertilizer].  
Sel'se (Ser. Kolkhoz. Zeml.) v. 12, No. 243/245, 3 p.  
Nov. 1943. 20 Se475

23974 \*LYCHEE, JOHAN. Utnyttelsen av pres-  
saften fra siloene. Norsk Landbruk 9: 199. July  
23, 1943. 11 N8122

Suggests use of liquid silage as fertilizer.

23975 \*OLESEN, N. A. Møddingshus eller aabent  
møddingssted. Skal møjsaften opsamles. Ugeskr. for  
Landmaend 88: 694-695. Oct. 1, 1943. 11 U63

Reply to the above, by Karsten Iversen appears in  
88: 722-723, Oct. 15, 1943. Olesen replies in 88:  
742, Oct. 22, 1943. Iversen replies in 88: 775, Nov.  
5, 1943.

Discusses the proper care of manure.

23976 \*SLAVNINA, T. Zola i navoz - zameniteli  
mineral'nykh udobrenii [Ashes and manure - substi-  
tutes for mineral fertilizers]. Sel'se (Ser. Kol-  
khos. Zeml.) v.12, No. 223/224, 2 p. Oct. 1943.  
20 Se475

## FORESTRY

### FOREST ECONOMICS AND POLICY

23977 ACKERS, C. P. Forestry. Bath and West  
and South. Counties Soc. Pam. 9, 12 p. Bath, 1943.  
10 B32P

Forest conditions and controls in wartime Britain.

23978 BAIRAO, A. C. Mais florestas e menos  
queimadas. Fauna [Sao Paulo] 1(12): 36. Dec. 1942.  
410 F272

Plea for preservation of forest beauty.

23979 COX, MARVIN. Pulpwood, a growing cash  
crop for the South. South. Banker 82(4): 16. Apr.  
1944. 284.8 So8

23980 GARLAND, E. A. Forest services and the  
Empire Forestry Association. Empire Forestry Jour.  
22: 115-117. Dec. 1943. 99.8 Em72

23981 GRÜNBERG, I. P. Acción del Estado en ma-  
teria forestal. Res 12: 15,428-15,432. Jan. 5,  
1944. 286.85 R31

Discussion of forest policy for Argentina.

23982 KOERNER, L. J. State and private forest  
program in Czechoslovakia. West Coast Lumberman 71  
(4): 96, 98, 100. Apr. 1944. 99.81 W52

23983 MARTIN, EDWARD. Soil and forests essen-  
tial for Pennsylvania prosperity. Forest Leaves  
34(1): 1-2, 11-12. Jan./Apr. 1944. 99.8 F763

History and present condition of forestry in the  
State.

23984 WATTS, L. F. Public works programs for  
forest development. Amer. Planning and Civic Ann.  
1943: 24-30. 280.9 Am322

23985 WIRTH, C. L. The national parks in war-  
time. Amer. Planning and Civic Ann. 1943: 14-18.  
280.9 Am322

Includes statement of policy concerning cutting of  
Sitka spruce and other park trees.

## Industrial Forestry

23986 MOIR, STUART. The first western pine tree  
farm. Green Gold 1(1): 10. Nov. 1943. 99.8 G822

## Legislation

23987 KAYLOR, J. F. Maryland's new forest regu-  
lation law. Forest Leaves 34(1): 3, 13-15. Jan./  
Apr. 1944. 99.8 F763

Outlines provisions of Maryland Forest Conservancy  
Districts Act, 1943.

23988 MEYER, H. A. Forest legislation in Vene-  
zuela. Jour. Forestry 42: 285-286. Apr. 1944.  
99.8 F768

Outlines provisions of law of July 4, 1942 and by-  
law of Dec. 14, 1943.

## Prices

23989 HOME-GROWN mining timber; the relation be-  
tween selling price and production of sawn pitwood.  
Timber Trades Jour. 168: 527-528. Mar. 18, 1944.  
99.81 T48

23990 SOUTHERN pine ceilings raised; changes for  
yards and small mills. South. Lumberman 168(2112):  
27-31. Apr. 1, 1944. 99.81 So82

## FOREST DESCRIPTION AND RESOURCES

23991 FROST, FINN. The census of Norwegian  
woodlands; review. Forestry Abs. 5: 151-154. 1944.  
241.01 Im7

23992 KAUFFMAN, ERLE. Timber mission. It takes  
all kinds of wood to win a war - here's how we're  
getting it. Amer. Forests 50: 152-154. Apr. 1944.  
99.8 F762

Account of activities of Office of Inter-American  
Affairs, U.S. Forest Service, and Foreign Economic  
Administration in searching for and making available  
strategic woods for war uses.

23993 WATTS, L. F. The coming timber shortage.  
New Repub. 110: 529. Apr. 17, 1944. 280.8 N

## Individual Genera and Species

23994 COOKE, G. B. Cork culture in the United  
States. Sci. Monthly 58: 357-364. May 1944.  
470 Sci23

23995 COOKE, G. B., and SCHMIDT, C. F., JR.  
Cork oak trees planted in three southern States.  
Mfrs. Rec. 113(4): 44, 68. Apr. 1944. 297.8 M31

23996 COOKE, G. B., and SCHMIDT, C. F., JR.  
Governor Bailey plants cork oak; opens State-wide  
planting program for growing cork trees [in Mississip-  
pi]. Crown 33(5): 14-15, 28. May 1944.  
389.8 C88

23997 COOKE, G. B., and SCHMIDT, C. F., JR.  
Home-grown cork. Mod. Packaging 17(8): 78-81, 142.  
Apr. 1944. 309.8 M72

23998 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND  
INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORA-  
TORY. Foreign timbers, 1-4. Gt. Brit. Dept. Sci.  
and Indus. Res. Forest Prod. Res. Lab. Leaflet 27,  
29, 31, 32. Pinces Risborough, 1943. 99.9 G796L  
Contents: 1, Jacareuba (Calophyllum brasiliense)  
and cedro (Cedrela sp.); 2, Freijo (Cordia goeldiana)  
and quaruba (Vochysia spp.); 3, Parana pine (Arauca-  
ria brasiliana) and louro vermelho (probably Ocotea  
rubra); 4, Peroba rosa (Aspidosperma polyneuron) and  
mandioqueira (Qualea spp.)

23999 METCALF, WOODBRIDGE. Growing cork oak  
(Quercus suber) in California. West. Shade Tree  
Cong. Proc. 10: In Natl. Shade Tree Conf. Proc. (1943)  
19: 62-68. 99.9 N218

24000 REVEAL, J. L. Single-leaf pinon and Utah  
juniper woodlands of western Nevada. Jour. Forestry  
42: 276-278. Apr. 1944. 99.8 F768



24001 SMITH, L. L. Montgomery students plant trees; cork oak seedlings set out on grounds of 11 white and 18 Negro schools. Ala. Conserv. 15(10): 9. Apr. 1944. 279.8 A11

#### FOREST ADMINISTRATION AND MANAGEMENT

24002 \*ALBES. Der stadtwald Plauen i. V. Deut. Forstwirt 25: 258-259. July 30, 1943. 99.8 D483

Management of a city forest.

24003 HALL, W. L. Building a miniature timber estate. Ark. Tree Farmer 1(3): 1, 4. Feb. 1944. 99.8 Ar4

Aquisition and management methods.

24004 PATTERSON, A. E., and WEDDELL, D. J. Management of Georgia's woodlands. Ga. Univ. George Foster Peabody School Forestry. Bul. 1, 34 p., processed. Athens, 1943. 99.08 G293B

24005 PEARSON, G. A. Multiple use in forestry. Jour. Forestry 42: 243-249. Apr. 1944. 99.8 F768

24006 RECKNAGEL, A. B. Remeasurement of permanent sample plots on Arnot Forest [Cornell University]. Jour. Forestry 42: 293-294. Apr. 1944. 99.8 F768

Shows effect of thinning on growth.

24007 STUART, E., JR., and ROESER, J., JR. Effect of thinning [of ponderosa pine] in the Black Hills. Jour. Forestry 42: 279-280. Apr. 1944. 99.8 F768

24008 THOMPSON, A. R. Tree management in recreation areas. Parks & Recreation 27: 57-64. Mar./Apr. 1944. 98.8 P23

#### Administration

24009 \*ALPERS, FRIEDRICH. Verstärkte selbstverwaltung in der forstwirtschaft. Deut. Agrarpolitik 1: 358-361. Sept. 1943. 281.8 D48

Administrative activities of the Reichsforstamt and Reichsnährstand.

24010 OLIVEIRA, A. P. DE. Atividades do Serviço de Inspeção Florestal no Estado de Pernambuco. Pernambuco (State), Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 124-140. June 1942. 9.2 P423

24011 \*STAHL, WERNER. Vereinfachung der holzverbuchung. Deut. Forstwirt 25: 281-283. Aug. 20, 1943. 99.8 D483

On the simplification of forest bookkeeping.

#### Farm Woodlands

24012 BURT, W. R. Tree farmer; farmer Paul Gunby and others like him have shown us how to grow timber. Amer. Forests 50: 158-160. Apr. 1944. 99.8 F762

24013 CANTERBURY AGRICULTURAL COLLEGE, LINCOLN, NEW ZEAL. Growing trees for timber on farms. Canterbury Chamber Com. Agr. Bul. 176, 4 p. Christchurch, 1944. 23 C162

24014 COPE, J. A. Christmas tree patches. [N. Y.] Franklin Co. Farm Bur. News 27(3): 1. Mar. 1944. 275.293 N. Y., Franklin Co.

24015 COPE, J. A. Notes on Christmas tree farming. Jour. Forestry 42: 250-254. Apr. 1944. 99.8 F768

24016 FLOYD, J. W. Utah farmers plant their own farm forests. Utah Farmer 63(16): 3, 20. Apr. 10, 1944. 6 D45

24017 MACDONALD, ALAN. TPWP [Timber Production War Project] and farm woodlots. U. S. Bur. Agr. Econ. Agr. Situation 28(4): 22-23. Apr. 1944. 1 Ec7Ag

24018 NITSCHKE, H. H. The conservation of old and the growing of new trees [in Australia]. Fruit World & Market Grower 45(2): 9. Feb. 5, 1944. 80 F948

24019 RICHARDSON, A. H. Controlling the farmer's tree crops. Forest & Outdoors, Apr. 1944, p. 78, 86. 99.8 C16

Advocates regulation of cutting on farm woodlands in Ontario.

24020 WALKER, JOHN. Shelterbelts in relation to prairie fruit growing. (To be cont.) Canad. Hort. and Home Mag., Growers' Ed. 67: 80-81, 88. Apr. 1944. 80 C16

#### Mensuration

24021 GRAY, H. R. Volume measurement of forest crops. Austral. Forestry 7: 48-74. 1943. Ref., p. 73-74. 99.8 Au74

Measurement of single trees.

24022 \*JÄGER. Festmeter statt raummeter. Deut. Forstwirt 25: 284-285. Aug. 20, 1943. 99.8 D483

Advantages of solid volume over stacked volume measurement.

24023 STOATE, T. N. Further notes on stem distribution and crown area. Austral. Forestry 7: 28-32. 1943. 99.8 Au74

#### FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Plant Pathology in the Plant Science section; articles on forest insects in the Entomology section.

24024 KIEFFER, HENRI. Quebec alert in forest guarding. Forest & Outdoors, Apr. 1944, p. 88-89. 99.8 C16

24025 MCNEIL, F. H. Forest Service reserves. Green Gold 1(1): 9. Nov. 1943. 99.8 G822

Work of volunteer workers in forest protection in Oregon in 1943.

#### Fire

24026 FLOYD, J. W. Volunteer fire fighters protect forest and range. Utah Farmer 63(16): 6. Apr. 10, 1944. 6 D45

24027 FOBES, C. B. Lightning fires in the forests of northern Maine. Jour. Forestry 42: 291-293. Apr. 1944. 99.8 F768

24028 JEMISON, G. M. Forest fire danger indexes. Jour. Forestry 42: 261-263. Apr. 1944. 99.8 F768

24029 KEPHART, G. S. The Indians' interest in fire prevention. Green Gold 1(1): 5. Nov. 1943. 99.8 G822

24030 MACDANIELS, E. H., AND OSBORNE, W. B. Fern fires defeat reforestation. Green Gold 1(2): 1, 3. Feb. 1944. 99.8 G822

24031 MYERS, M. K. Benton County [Oregon] keeps green. Green Gold 1(2): 9. Feb. 1944. 99.8 G822

Forest fire prevention.

24032 SCHROEDER, GEORGE. Forest [fire] protection in the [Oregon] pine region. Green Gold 1(2): 4. Feb. 1944. 99.8 G822

24033 SEARLS, HAROLD. Conservation youth caravan for winners of the forest fire prevention contest. Conserv. Volunteer 7(39): 14-16. Mar./Apr. 1944. 279.8 C765

Announces essay contest for Minnesota high-school students.

24034 WOODS, J. B. Pioneer fire fighter. Green Gold 1(1): 8. Nov. 1943. 99.8 G822

M. J. Nye, 35 years a warden in Oregon.

24035 ZAHN, CURTIS. The San Diego fires; an inquest. Amer. Forests 50: 161-163. Apr. 1944. 99.8 F762



## SILVICULTURE

See Items 23362-23371

## LUMBERING

24038 AVERY, B. F. A big and fundamental business; lumbering and wood using industries essential to prosperity at Lakehead [Ontario]. Pulp and Paper Mag. Canada 45: 84-85. Feb. 1944. 302.8 P96

## Equipment

24037 GEBHART, W. H. Safe use and maintenance of saws. Barrel and Box and Packages 49(4): 16-19. Apr. 1944. 99.82 B27

24038 IRELAND, H. L. Saving steel with modern filing equipment. West Coast Lumberman 71(4): 120, 123. Apr. 1944. 99.81 W52

Saw sharpeners.

24039 PETERSON, P. B. Filing round saws. West Coast Lumberman 71(4): 68-69. Apr. 1944. 99.81 W52

## Logging

24040 NEW LOG hauling method; combination highway and off-the-highway system. West Coast Lumberman 71(4): 64d, 64f, 64o. Apr. 1944. 99.81 W52

24041 \*PEREKHOD, V. I. Metody otšenki poter' v lesnom khozjaistve [Methods of evaluating losses in the forest economy]. Lesnaja Promysh. 1943, No. 1/2, p. 16-17. Jan./Feb. 1943. 99.8 L56

Suggestions for more efficient work in the forest.

24042 SORENSEN, C. J. Why are small pulpwood logs left to rot in the woods? Timberman 14(6): 38-39. Apr. 1944. 99.81 T484

24043 STOVALL, CHARLES. A manual for fallers, buckers, scalers, bull buckers. Part II. Timberman 45(6): 42, 44. Apr. 1944. 99.81 T484

## Lumber Industry

24044 BOYD, J. P. Lumber procurement problems in the United States. Brit. Columbia Lumberman 28(4): 30-31, 42, 44, 46. Apr. 1944. 99.81 B77

24045 BOYD, J. P. Where does all our lumber go? Wooden Barrel 12(8): 6-7. Apr. 1944. 99.82 W854  
Some of the reasons restrictive control on lumber is necessary.

24046 GREGSON, F. Wartime timber industry. Proposals for stimulating production. Austral. Forestry 7: 38-47. 1943. 99.8 Au74

24047 ROWELL, J. G. Are lumber dealers to be "squeezed" out? South. Lumber Jour. 48(4): 22. Apr. 1944. 99.81 So8

24048 SPARKS, S. L. Much that building men can do. Ry. Engin. and Maintenance 40: 355-356. Apr. 1944. (Madison Sub-Branch Libr.)

Includes discussion of lumber as a bottle-neck.

24049 U. S. CONGRESS. HOUSE. COMMITTEE ON SMALL BUSINESS. Current lumber industry problems. Part I. The national lumber situation as of January 1, 1944. Part II. The problems of the southern pine industry as of January 1, 1944. Fourth interim report...pursuant to H. Res. 18... 78th Cong., 2d sess. House Rpt. 987, 37 p. Washington, U. S. Govt. Print. Off., 1944.

24050 WALKER, ROBIN. British timber men consider de-control of industry. South. Lumberman 168(2113): 64, 66. Apr. 15, 1944. 99.81 So82

## Sawmills

24051 TELFORD, C. J. Manufacture of lumber from stump to pile. 4, Layouts [for sawmills]. Canada Lumberman 64(8): 21-23. Apr. 15. 1944. 99.81 C16

## WOOD PROPERTIES

## Chemical and Physical Properties

24052 COCKRELL, R. A. Shrinkage and density of ponderosa pine wood. Jour. Forestry 42: 288-290. Apr. 1944. 99.8 F768

24053 GRAY, W. E. Woods for sculpture. Wood 9(3): 51-56. Mar. 1944. 99.82 W855

Indicates British woods suitable for sculpture and describes their qualities.

## Preservative Treatment

24054 FINDLAY, W. P. K. Wood tar as a preservative for timber. Empire Forestry Jour. 22: 151-153. Dec. 1943. 99.8 Em72

24055 TURLEY, C. D. Increasing the life of ties. Ry. Engin. and Maintenance 40: 364. Apr. 1944. (Madison Sub-Branch Libr.)

## Seasoning and Conditioning

24056 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. General observations on the design of timber-drying kilns. Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. Lab. Leaflet 30, 6 p. Princes Risborough, 1943. 99.9 G796L

24057 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. Kiln-drying in war time: quantity or quality. Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. Lab. Leaflet 28, 4 p. Princes Risborough, 1943. 99.9 G796L

24058 \*RYBNIKOV, G. V. Prostoĭ sposob dosushki churok i vyzhiga ugliā [A simple method of drying small logs and of making charcoal]. U. S. S. R. Nar. od. Komis. Zeml. Selak. Khoz. SSSR. Ezheмесячный proizvodstvennotekh. Zhur. M. T. S. 3(4): 36-38. Apr. 1943.

24059 TIEMANN, H. D. How wood behaves in drying. 7. Time of drying. South. Lumberman 168(2113): 55-56, 58. Apr. 15, 1944. 99.81 So82

## WOOD UTILIZATION

24060 CORREIA, SIRECU. As possibilidades do aproveitamento dos resíduos da madeira. Rev. Bras. de Quím. (Cien. & Indus.) 16: 328-329. Oct. 1943. 385 R322

24061 DUNN, P. M. Boards from sawdust. Green Gold 1(2): 3. Feb. 1944. 99.8 G822

Report of sawmill waste utilization studies at Oregon State College.

24062 EMMETT, J. A. Postwar opportunities in the sports field. Wood-Worker 63(2): 50, 52. Apr. 1944. (Madison Sub-Branch Libr.)

Concerns use of wood for sports equipment.

24063 FAITH, W. L., and HALL, J. A. Ethyl alcohol from waste wood by a modified Scholler process. Chem. and Engin. News 22: 525-526. Apr. 10, 1944. 381 J825N

24064 FRITZ, EMANUEL. Changes in utilization practices in the California redwood section. West Coast Lumberman 71(4): 100, 102. Apr. 1944. 99.81 W52

Closer utilization of both redwood and associated species.

24065 GRAHAM, P. H. Wood technology and promotion. Wood-Worker 63(2): 22, 24. Apr. 1944. (Madison Sub-Branch Libr.)

24066 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. The bending of solid timber. Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. Lab. Leaflet 33, 12 p. Princes Risborough, 1943. 99.9 G796L



- 24067 GREY, HERB. Wood in war and peace. Green Gold 1(2): 4. Feb. 1944. 99.8 G822
- 24068 HARKOM, J. F. From forest to mine. Timber of Canada 4(8): 18-19, 29. Apr. 1944. (Madison Sub-Branch Libr.)

Mine timbers.

- 24069 HARRIS, A. R. Modifying bridge programs. Ry. Engin. and Maintenance 40: 364-365. Apr. 1944. (Madison Sub-Branch Libr.)

Includes discussion of use of wood for bridges.

- 24070 HUNT, G. M. Laminating structural timbers; some words of caution. South. Lumberman 168(2112): 61-63. Apr. 1, 1944. 99.81 S082

- 24071 HYLER, J. E. Wood products parade. Wood Working Digest 46(4): 51-52, 54, 58, 60, 62. Apr. 1944. (Madison Sub-Branch Libr.)

- 24072 INSTITUTOS de investigaciones de las maderas. El Laboratorio de Productos Forestales de Madison, Estados Unidos, es un modelo en su genero. Maderil 16(187): 13-19. Jan. 1944. 99.82 M26

Describes work of U. S. Forest Products Laboratory, Madison, Wis.

- 24073 KRZYWOBLOCKI, ZBIGNIEW. Stress problems in the design of wooden airplanes. Jour. Aeronaut. Sci. 11(1): 76-82. Jan. 1944. (Madison Sub-Branch Libr.)

- 24074 MANN, A. C. 1944 will still be tight year for cross ties; past two years difficult due to labor shortage and price regulation uncertainty. Cross Tie Bul. 25(4): 8, 12. Apr. 1944. 99.82 C87

- 24075 MILLER, A. A. Measures to meet existing shortages in cross ties. Only fraction of next year's normal requirements in sight. Cross Tie Bul. 25(4): 18-19. Apr. 1944. 99.82 C87

- 24076 SCHAEFER, E. M. Farm feed from wood. Feedstuffs 16(15): 18-21. Apr. 8, 1944. 286.81 F322

Possibilities for the large-scale production of wood sugar and dried feeding yeast from sawdust.

#### Adhesives

- 24077 EILERTSEN, L. W. Construction glue techniques. It's the glue line temperature that counts when using cold setting resins. Brit. Columbia Lumberman 28(4): 42. Apr. 1944. 99.81 B77

Also in Wood Prod. 49(4):54. Apr. 1944. 99.82W856

- 24078 WESTBROOK, F. A. Developments in casein adhesives. Wood Working Digest 46(4): 19-20, 22, 24, 26. Apr. 1944. (Madison Sub-Branch Libr.)

#### Barrels, Boxes, and Crates

- 24079 PIPER, W. A. Building efficient wartime shipping crates. Shipping Mangt. 9(2): 14-15, 22. Feb. 1944. (Madison Sub-Branch Libr.)

#### Building Construction

- 24080 CARTER, A. N. Wood in war construction. Many of the new uses for wood which have been developed as result of war-speeded work will be of value in peacetimes. Plywood, laminated timbers, new connectors, and design improvements point the way. Large industrial buildings as well as small homes all benefit. Sci. Amer. 170: 202-204. May 1944. 470 Sci25

- 24081 REECE, P. O. Design of timber structures. (Excerpts.) Wood 9(3): 64-70. Mar. 1944. 99.82 W855

#### Charcoal

- 24082 \*VIL'JAMS, V. Poluchenie ugliā, smoly i dēgtā [Production of charcoal, resins and tar]. Sel'so (Ser. Kolkhoz. Zeml.) v. 12, No. 274/276, 4 p. Dec. 1943. 20 Se475

#### Furniture

- 24083 BOOTH, F. L. Producing desks for home and office. Wood-Worker 63(2): 30, 32-34. Apr. 1944. (Madison Sub-Branch Libr.)

- 24084 FRANKLIN, B. L. Manufacturing laminated office furniture. Veneers and Plywood 38(4): 10, 12-13. Apr. 1944. 99.82 V65

#### Naval Stores

- 24085 MITCHELL, H. L. Instructions for chemical stimulation treatments for slash and longleaf pine, recommended for 1944. (To be cont.) Naval Stores Rev. 54(2): 8, 10, 12, 17; (3): 8, 10. Apr. 8, 15, 1944. 99.81 N22

#### Plastics

- 24086 HANSON, N. D., and WILSON, PERRY. Resins for paper base laminates. Paper Trade Jour. 118 (TAPPI Sect.): 128-130. Apr. 13, 1944. 302.8 P196
- 24087 HARBER and WALLEN. Shear strength of paper laminates. Plastics Trends 4(6): 6, processed. Mar. 15, 1944. 309.8 P692
- Plastics Institute Research Project X-401.

#### Pulp and Paper

- 24088 BRITT, K. W. Some observations on wet strength paper. Paper Indus. and Paper World 26: 37-41, 46. Apr. 1944. 302.8 P1923
- 24089 CALLAHAM, J. R. From waste [sulfite] liquors to war alcohol: Canada pioneers for the continent. Chem. & Metall. Engin. 50(12): 104-107. Dec. 1943. 381 E12
- 24090 GORDON, ROBERT. Technical aspects in coating impervious papers. Mod. Packaging 17(8): 97, 146. Apr. 1944. 309.8 M72
- 24091 GRAMAM, DAVID. The wood pulp situation. Paper Trade Jour. 118(TAPPI Sect.): 114-116. Apr. 6, 1944. 302.8 P196
- 24092 HARRISON, V. G. W. Optical properties of paper: a study of gloss. Patra Jour. 7: 27-34. Nov. 1943. (Madison Sub-Branch Libr.)
- 24093 LAGERLOEF, E. G. Scandinavian pulp and paper industries - their past, present, and future. U. S. Dept. Com. Foreign Com. Weekly 15(2): 5-11, 27. Apr. 8, 1944. 157.54 F763
- Reprinted in Paper Mill News 67(16): 11-12, 14, 16-18, 20-21. Apr. 15, 1944. 302.8 P195
- 24094 MALCOLMSON, J. D. Fibre containers: can you get them? Shipping Mangt. 9(2): 11, 28-29. Feb. 1944. (Madison Sub-Branch Libr.)
- 24095 PYNER, G. A. Packaging and the paper industry. (To be cont.) World's Paper Trade Rev. 121: 592, 594, 596. Mar. 17, 1944. 302.8 W89
- 24096 RHODES, KENT. Printing characteristics of bleached groundwood paper. Paper Trade Jour. 118 (TAPPI Sect.): 113-114. Apr. 6, 1944. 302.8 P196
- 24097 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. FIBROUS MATERIALS TESTING COMMITTEE. Dirt in wood chips; TAPPI suggested method T 14 sm-44. Paper Trade Jour. 118(TAPPI Sect.): 117-119. Apr. 6, 1944. 302.8 P196
- 24098 YOUNG, J. A. The pulp and paper industry in British Columbia. Brit. Columbia Lumberman 28(4): 39-40. Apr. 1944. 99.81 B77

#### Veneers and Plywood

- 24099 GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH LABORATORY. Veneer thickness conversion table. Empire Forestry Jour. 22: 121. Dec. 1943. 99.9 Em72



- 24100 JACOBSON, AL. Racing shells to flying "Forts." Wood Working Digest 46(4): 29-30, 32, 34, 36, 38. Apr. 1944. (Madison Sub-Branch Lib.)  
Plywood parts for Flying Fortresses.
- 24101 TAYLOR, J. P. Fabricating wood aircraft "skins." Electronics 17(4): 102-107, 391-392. Apr. 1944. 335.8 E128  
Discusses experimental manufacture of thin shaped coverings by radio-frequency heating.
- 24102 TURNER, ROBERT. Ski troops travel on plywood. Wood Prod. 49(4): 30, 32, 34. Apr. 1944. 99.82 W856
- 24103 WRIGHT, LEW. Plywood skins for the wings of the Mosquito [bomber]. Cosgrove's Mag. 15(6): 88-89, 92. Mar. 1944. (Madison Sub-Branch Lib.)
- 24104 YORGIADIS, A. J., and ROBERTSON, J. M. Plywood characteristics disclosed by vibration tests. Aero Digest 45(1): 76-77, 80-81, 196, 198, 201-202, 204. Apr. 1, 1944. 333.8 Ae82

## MISCELLANEOUS

- 24105 BROWN, N. C. Community forests, an opportunity and a challenge for Pennsylvania. Forest Leaves 34(1): 7-8, 16. Jan./Apr. 1944. 99.8 F763
- 24106 DORER, R. J. Living memorials this time. Forests instead of stone pillars. Conserv. Volunteer 7(39): 1-5. Mar./Apr. 1944. 279.8 C765  
Advocates community forests as war memorials.
- 24107 \*FARRON, P. E. Fête du centenaire de la Société Forestière Suisse. Jour. Forest. Suisse 94: 240-244. Nov. 1943. 99.8 J82

## Education

- 24108 CHAMPION, H. G. Training for the colonial forest service. Empire Forestry Jour. 22:112-114. Dec. 1943. 99.8 Em72  
On the place of practical experience in advanced training.
- 24109 TURNER, L. M. Forestry and forestry education in the Intermountain Region. Utah Farmer 63(16): 3, 21. Apr. 10, 1944. 6 D45

## Wildlife

- 24110 JEWETT, S. G. Birds and forest fires. Green Gold 1(2): 1. Feb. 1944. 99.8 G822
- 24111 SWIFT, L. W. Forest and wildlife conservation on government property. Camping Mag. 16(4): 2-4, 18. Apr. 1944. 280.68 C15

## ANIMAL INDUSTRY

## BREEDS AND BREEDING

- 24112 BELTRÁN C., HERÁCLIO. Métodos de reproducción. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(56): 5-11. Oct./Dec. 1943. 9.5 M51
- 24113 \*KHRONOPULO, N. Proizvodstvennaya pomoshch' plemkhozov kolkhoznym fermam [Assistance of breeding stations to collective farms]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 203/204, 2 p. Nov. 1943. 49 Se4

## FEEDS AND FEEDING

- 24114 ANDRADE, B. M. DE. Pastagens; tipos e importância. Rev. dos Criadores 14(15): 39-41. Nov. 1943. 43.8 R32
- 24115 BASSFORD, FORREST. Homegrown feeds prove adequate to fatten livestock. Rec. Stockman 55(15): 1, 5. Apr. 13, 1944. 286.85 D43

- 24116 BELLE, G. Le tourteau de tournesol dans l'alimentation animale. Terre Maroc. 14(171): 17-18. Feb. 1944. 24 T44
- 24117 CULLITY, M., and GARISS, H. G. Fodder conservation. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 357-360. Dec. 1943. 23 W52J
- 24118 DUCKWORTH, C. U. Watch animals on new feeds. Calif. Cult. 91: 185. Apr. 1, 1944. 6 C12
- 24119 FRENCH, M. H. Composition and nutritive value of pulp and seeds in the fruit of the baobab [Adansonia digitata]. East African Agr. Jour. 9: 144-145. Jan. 1944. 24 Ea74  
Study of feeding value for livestock.
- 24120 \*FUNDER, L. Saeterdriften i aag og muligheten for reformering og utvikling. Norsk Landbruk 9: 246. Sept. 3, 1943. 11 N8122  
Suggests improvements in the management of mountain pastures, in Norway, during the summer.
- 24121 GUILBERT, H. R. Beet tops—a great potential feed resource. Pacific Rural Press [North. Ed.], 147: 204. Apr. 1, 1944. 6 P112
- 24122 HELMAN, M. B. Rendimiento del engorde con maíz. Campo [Buenos Aires], 28(327): 44. Jan. 1944. 9 C15  
Fattening livestock.
- 24123 \*EVIDSTEN, HARALD. Cellulose som fôr; en oversikt over nyere forsøk og erfaringer [Cellulose as feed; a survey of new experiments and experiences]. Norsk Landbruk 9: 44-47. Feb. 19, 1943. 11 N8122
- 24124 IDDINGS, E. J. Sugar-beet by-products and their place in Idaho agriculture. Amer. Soc. Sugar Beet Technol. Proc. (1942)3: 16-22. 1943. 66.9 Am35  
Use of byproducts as feed for livestock.
- 24125 JOHNSON, S. R. Feed livestock soybean meal for protein. Ark. Farmer 46(3): 12-13. Mar. 1944. 6 Ar42
- 24126 JOHNSON, W. M. It pays to stock your ranges conservatively. Westerner 7(3): 7, 40-41. Apr. 1944. 45 W522
- 24127 NAGEL, HERMAN. Knowledge is increasing in field of mineral nutrition [of livestock]. Feed-stuffs 16(16): 27-29. Apr. 15, 1944. 286.81 F322
- 24128 OSPINA, GERMAN. La sal y las mezclas minerales para el ganado. (Concl.) Agronomía [Habana], 4: 257-259, 269, 272-274. Feb., Mar. 1944. 8 C893
- 24129 \*OTERHOLM, OLAV. Betre utnytting av utmarka. Norsk Landbruk 9: 205-206. July 23, 1943. 11 N8122  
Suggestions for better use of mountain forest pasture.
- 24130 \*PRESTHEGGE, KNUT. Førverdien av bar, beit og skav, samt vinterslåt takrør og mel av einer og røsslyng. Norsk Landbruk 9: 92-94. Apr. 2, 1943. 11 N8122  
Feed value for winter of the stems and bark of various Norwegian trees as well as the common reed; also meal from juniper and heather.
- 24131 \*PRESTHEGGE, KNUT. Nye undersøkelser av lau som fôr. Norsk Landbruk 9: 186-187. July 9, 1943. 11 N8122  
Nutritive value of foliage as feed.
- 24132 THE PRICKLY comfrey; a succulent early food for stock. Farming News and No. Brit. Agr. 96(12): 13. Mar. 17, 1944. 10 N82
- 24133 \*SAKSHAUG, BJARNE. Bruk beiten rett [Use the pastures right]. Norsk Landbruk 9: 127. May 14, 1943. 11 N8122



- 24134 \*SKAARE, SEVALD. Kulturbeite heime eller på østra. Norsk Landbruk 9: 256-257. Sept. 17, 1943. 11 N8122  
Pasture improvement on farm and mountain pasture.
- 24135 \*SLAGSVOLD, LARS. Mangelsykdommer hos vare husdyr med spesielt henblikk på den nuværende krisetid. Norsk Landbruk 9: 6-9, 21-24. Jan. 8, 22, 1943. 11 N8122  
Deficiency diseases of livestock in Norway, with reference to those caused by wartime feed shortages.
- 24136 \*SPIRIN, M. P. Kak my organizm zimnee kormlenie i soderzhanie skota [How we plan the winter feeding and maintenance of livestock]. Sel'so (Ser. Kolhoz Zhivota.), v. 12, No. 236/238, 4 p. Dec. 1943. 49 Se4  
24137 UNDERWOOD, E. J. Vitamin A and other vitamins in the nutrition of farm animals. West. Austral. Dept. Agr. Jour. (Ser.2) 20: 304-309. Dec. 1943. 23 W52J  
24138 WILSON, H. E. Home-grown feeds high in protein. Country Guide 63(4): 18, 21. Apr. 1944. 7 G76  
24139 WOODWARD, T. E., and SHEPHERD, J. B. Filling silo with grass and corn. Hoard's Dairyman 89: 245. Apr. 25, 1944. 44.8 H65

## VETERINARY MEDICINE

- 24140 \*AFRIKANTOV, V. A. Khloristyí kal'tsif kak stabilizator pri perelivanií krovi [Calcium chloride as a stabilizer in blood transfusions]. Veterinariya 19(8/9): 40. Aug./Sept. 1942. 41.8 V6426  
24141 ASDELL, S. A. Hermaphrodites. Brit. Goat Soc. Monthly Jour. 37: 13-15. Mar. 1944. 40.19 B77M  
24142 BASTERRECHEA, L. DE. Apuntes de inspección de carnes. Lección 9. Enfermedades diversas en bovinos y porcinos y su diagnóstico en vivo y en muerto. Conducta del inspector de carnes. Rev. Pecuaria, No. 56/57, p. 18-20. May/June 1943. 49 R326  
24143 \*BOZHEVOL'NOV, P. I. Opyt po nalozheníu karkasnykh povlázok [Experiments in applying body bandages]. Veterinariya 19(8/9): 40-41. Aug./Sept. 1942. 41.8 V6426  
24144 \*BREIREM, KNUT, ULVESLI, O., and HUSBY, M. Prøvefòring med ricinusholdig linfrømel. Norsk Landbruk 9: 242-244. Sept. 3, 1943. 11 N8122  
Toxicity of linseed meal containing castor-beans.
- 24145 \*BUTENANDT, ADOLF, and FRIEDRICH-FREKSA, HANS. Experimentelle beiträge zur frage nach der möglichkeit des vorkommens bisexual wirksamer hormone bei zwittern. Biol. Zentbl. 62: 318-335. July/Aug. 1942. 44.8 B523  
24146 \*DEGTJAREV, G. V. Transrektal'nyí prokol kishok pri meteorizme [Transrectal puncture of the intestines in cases of bloat]. Veterinariya 19(8/9): 39. Aug./Sept. 1942. 41.8 V6426  
Technique of operation.
- 24147 \*DIAS, E. T. E. S. Notas parasitológicas. 1 - Subsidios para a corografia parasitológica do Norte. Rev. de Med. Vet. [Lisbon] 38: 263-265. July/Sept. 1943. 41.8 R3215  
Contains 2 folded tables of parasites reported in cities of northern Portugal, 1936-1940.
- 24148 ECKELL, O. A. Acción tóxica del Solanum glaucum Dum (duraznillo blanco). La Plata. Univ. Nac. Facult. de Med. Vet. An. (1942)5: 9-91. 41.9 L312A  
Same as item 19330 except that experiments on animals are reported in detail.
- 24149 KNZIN, F. D. Preliminary tests of perthiocyanic acid as a taniacide. Helminthol. Soc. Wash. Proc. 11: 18-21. Jan. 1944. 436.9 H36  
24150 ESTRADA A., JORGE. Las diarreas de los animales domésticos. Rev. Pecuaria, No. 56/57, p. 31. May/June 1943. 49 R326  
24151 FRIEDEMANN, ULRICH, HOLLANDER, ALVIN, and BORNSTEIN, SIEGBERT. Studies on virus immunity. Experiments with the viruses of rabies and equine encephalomyelitis. Jour. Immunol. 48: 247-257. Apr. 1944. Ref. 44.8 J8232  
24152 \*HARMS. Kalkstickstoffvergiftungen bei tieren unter besonderer berücksichtigung des wildes. Berlin. u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 29/30, p. 239-241. July 23, 1943. 41.8 B45  
Experiments on poultry, sheep, rabbits, and guinea pigs to determine toxicity of calcium cyanamide.
- 24153 IDNANI, J. A. Fox in farm animals. Indian Farming 4: 362-363. July 1943. 22 In283  
24154 \*KATHE, J. Infektionen mit Leptospira grippo-typhosa bei tieren und ihre bedeutung für die epidemiologie des schlamm-feldfiebers. Ztschr. f. Immunitätsf. u. Expt. Ther. 103: 60-77. Apr. 20, 1943. 44.8 Z42  
24155 \*KOSSOV, E. "Kol'ostroíl." Sovkhoznoe Proizvodstvo 3(12): 30-31. Dec. 1943. 20 So85  
Concentrated colostrum ("colostrum butter") as a prophylactic and therapeutic for digestive disorders of young animals.
- 24156 LAMOND, H. G. Emasculation of the male. Live Stock Bul., Jan. 1, 1944, p. 2; Feb. 1, 1944, p. 2. 23 F222  
24157 LERENA, E. A. Neurosis miotonizantes (las tetanias en medicina veterinaria). (To be concl.) Rev. Zootéc. [Buenos Aires] 30(252): 20-44. Dec. 1943. 9 R323  
24158 \*LIÁNDA, IÚ. Lechenie ran odymlením [Fumigation treatment of wounds]. Veterinariya 19(8/9): 21-23. Aug./Sept. 1942. 41.8 V6426  
Method of generation and analysis of the fumes.
- 24159 \*LOBO, J. S. A inspecção veterinária nos matadouros. Rev. de Med. Vet. [Lisbon] 38: 245-253. July/Sept. 1943. 41.8 R3215  
24160 LUISADA, ALDO. Electrocardiography and phonocardiography in veterinary medicine. Middlesex Vet. 3(1): 13-14. Fall 1943. 41.8 M583  
24161 \*MANNINGER, R. Die Aufjeszkysche krankheit. Berlin. u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 27/28, p. 211-215. July 9, 1943. 41.8 B45  
24162 \*METZNER, P. Über die ursache des buchweizenanschlags (fagopyrismus) und verwandter sensibilisationserscheinungen. Forschungsdienst, Sonderheft 16, p. 754-790. Berlin. 1942. 18 F772  
Buckwheat poisoning and photosensitization in livestock.
- 24163 MONCADA M., E. Eficaz específico contra la fiebre aftosa. Unión Agr. del Sur 2(9): 61-62. Jan. 1944. 9.3 Un3  
24164 \*MULLER, MAX. Die beurteilung tuberkulöser schlachttierkörper als fleischhygienisches problem. Deut. Schlachthof-Ztg. 43: 133-138. July 15, 1943. 286.85 D48  
24165 PANISSET, MAURICE. Sérums et antitoxines. (To be cont.) Rev. d'Oka 18: 39-40, 41-47. Jan./Feb., Mar./Apr. 1944. 7 Ok1  
A discussion of immunization.
- 24166 PUENTE DUANY, N. Afecciones linfoides malignas de los animales domésticos. Guatemala. Sec. de Agr. Rev. Agr. 20(10/12): 57-63, 66. Oct./Dec. 1943. 8 G934  
24167 \*RAO, K. S. Ocular filariasis. Indian Vet. Jour. 20: 196-197. Jan. 1944. 41.8 In2



24168 ROSENBUSCH, FRANCISCO. La acaprina en el tratamiento de la tristeza. Res 12: 15435-15436. Jan. 5, 1944. 286.85 R31

Anaplasmosis and piroplasmosis.

24169 MOSSI, F. A., SCHANG, P. J., and CAMPION, E. L. Ensayos realizados en la Argentina con la vacuna antiatafosa tipo Waldmann. Campo y Arados 8(83): 6-7, 29. Jan. 1944. 9.9 C152

24170 STEYN, D. G. "Gousiekte" and its control. Farming in So. Africa 19: 55-56. Jan. 1944. 24 So842

Sheep and cattle poisoned by Pachystigma (Vangueria) pygmaeum.

24171 UBACH, F. A. Anomalías de organización en los animales domésticos. Polimelias y polidactilias. La Plata. Univ. Nac. Facult. de Med. Vet. An. (1942) 5: 92-128. Ref., p. 126-128. 41.9 L312A

24172 \*VOHRINGER, K. Oertliche anwendung von sulfonamidpräparaten in der tiermedizin. III. Ciba-zol-streupulver. Berlin u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 27/28, p. 222-223. July 9, 1943. 41.8 B45

#### MISCELLANEOUS

24173 \*AAMO, E. S. Fra feavlslarbeidet i en liten fjellgrend. Berg Feavlslag, Vangrøfta i N. Østerdal jubilerer. 50 år siden Ole J. Berg "Bortistuen" startet foreningen. Norsk Landbruk 9: 129-132. May 14, 1943. 11 N8122

Activities of the livestock society, Berg Feavlslag during the last fifty years.

24174 BERNAL, WASHINGTON. Plan de exposiciones agropecuarias. Vida Rural 5(54): 14. Jan. 1944. 9.4 V66

Livestock exhibits included.

24175 BLASIG, C. A. Growth of the Rio Grande Valley livestock industry. Tex. Farming and Citric. 20(10): 5, 25. Apr. 1944. 80 T31

24176 CHADA, H. L. Rat control thru elimination of potential shelters. Peninsula Broiler Jour. 3 (22): 1, 2. Mar. 20, 1944. 47.8 P37

Safeguarding feed.

24177 DAVIDSON, H. R. Prove judging theories: a challenge. Farmer & Stock-Breeder 58: 472. Mar. 21, 1944. 10 F228

24178 DILLON, C. E. Hints on locker plant slaughtering. Locker Operator 5(9): 16-18, 40-41. Apr. 1944. 295.8 L79

24179 GARLOUGH, F. E. Coyotes and rodents are food saboteurs. West. Farm Life 46(7): 3, 12. Apr. 1, 1944. 6 R153

24180 GOMEZ MARZHEIMER, GUILLERMO. La esterilidad del ganado y su control. Unión Agr. del Sur 2(9): 51-53. Jan. 1944. 9.3 U3

24181 \*HERRE, WOLF. Die haustierwerdung des rens, bedingungen und merkmale der domestikation. Umschau 47: 171-173. June 1943. 474 U37

24182 \*IASTREBOV, T. Zhivotnovodcheskaja vystavka v raione. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 228/229, 2 p. Dec. 1943. 49 S4

A livestock show in the Kolomensk district of the Moscow region.

24183 \*KVITRUD, TORD. Kontrollagene ved Fåvng Ysteri. Ordningen etter prinsippet: Kontrollen inn under ysteriet, synes etter syv års erfaring her å by på vesentlige fordeler. Norsk Landbruk 9: 76-77. Mar. 19, 1943. 11 N8122

Achievements of the testing associations for cows, goats, and sheep, in Fåvng, Norway.

24184 MCDUGALL, A. P. What of our herds in post-war Great Britain? London. Farmers' Club. Jour., Pt. 2, p. 11-15. 1944. 10 L84

Discussion, p. 15-24.

24185 ROBIN, A. H. Animal health and increased production. So. Austral. Dept. Agr. Jour. 47: 294-296. Feb. 1944. 23 So84

Proper nutrition and sanitation for swine and dairy cattle, and control of mastitis in cows.

24186 \*RUEGER, JAKOB. Die tierreste aus der spätbronzezeitlichen siedlung Crestaulta (Kanton Graubünden) nach den grabungen 1935-1938. Rev. Suisse de Zool. 49: 251-267. Sept. 1942. 410 R324

Includes description of domestic animals.

24187 \*TRANSEHE, N. VON. Elche als haustiere. Zool. Gart. (N. F.) 14(1/2): 96-99. 1942. 410 Z724

Training elk as pack animals and for riding.

24188 WARD, A. L. More cattle but less feed. Tex. Farming and Citric. 20(10): 27. Apr. 1944. 80 T31

Discussion of livestock rather than cattle.

24189 WHERRY, LARRY. Ways to cull [livesotck] and conserve [feed]. Flour & Feed 44(11): 12, 34. Apr. 1944. 298.8 F66

#### CATTLE

##### Breeds and Breeding

24190 ASSIS, F. DE P. Cado leiteiro criação e exploração. VI. Vida reprodutiva da vaca leiteira. Rev. dos Criadores 14(15): 58-61. Nov. 1943. 43.8 R32

24191 BARISON VILLARES, J. Edad para la reproducción de vaquillonas. Chacra 14(160): 22-23. Feb. 1944. 9 C34

Dairy cattle breeding.

24192 BIGGAR, G. C. Herefords in their native homeland [Great Britain]. Amer. Hereford Jour. 34(24): 8-9, 12, 161. Apr. 15, 1944. 43.8 Am32

24193 BLANCHARD, C. P. Thirty-four years ago; an importation that made Ayrshire history. Canad. Ayrshire Rev. 24: 382-383. Apr. 1944. 43.8 Ay72

24194 BRAGA, J. W. A inseminação artificial vence mais uma etapa em Pernambuco. Pernambuco (State), Brazil. Sec. de Agr. e Com. Bol. 9: 141-146. June 1942. 9.2 P423

Dairy cattle breeding.

24195 BURROWS, G. T. Dual purpose dairy Short-horns in England. Milking Shorthorn Jour. 25(4): 33. Apr. 1944. 43.8 M59

24196 CUMING, C. A. In defence of the [dairy] breeder; magnitude of his task - constant striving against forces of retrogression. New Zeal. Dairy Exporter 19(7): 24-25. Mar. 1944. 44.8 M484

24197 ECKHARDT, W. F. A story of milk and beef [from Milking Shorthorn cattle]. Milking Shorthorn Jour. 25(4): 30-31. Apr. 1944. 43.8 M59

24198 \*HAAVE, KR. Føring og behandling av eldre avlsokser. Norsk Landbruk 9: 58-60. Mar. 5, 1943. 11 N8122

Feeding and care of older bulls in order to preserve their fertility.

24199 HILL, O. J. Artificial [dairy cattle] breeding associations. West. Livestock Jour. 22 (28): 96. Apr. 15, 1944. 6 F2278

24200 \*JOHANSSON, IVAR. Reduced phalanges and curly coat. Two mutant characters in native Swedish cattle. Hereditas 28: 278-288. 1942. 442.8 H42

24201 \*KARSTAD, OLAV. Vestlandsk storfeavl i dag. Norsk Landbruk 9: 257-260. Sept. 17, 1943. 11 N8122

Dairy cattle breeding in western Norway.

24202 LARRE, JEAN. La race Schwytz a la station expérimentale de Sidi Slimane. Terre Maroc. 14 (171): 13-16. Feb. 1944. 24 T44



24203 MCKINNON, W. L. Ayrshires at Lammermoor Farms [Courtright, Ontario]. Canad. Ayrshire Rev. 24: 384-386. Apr. 1944. 43.8 Ay72

24204 PELLETIER, J. R. Ayrshires move fast in Alberta. (Concl.) Canad. Ayrshire Rev. 24: 386, 388. Apr. 1944. 43.8 Ay72

24205 RETSON, W. R. Forty years ago...early experiences in Nova Scotia and the [Ayrshire] herds of that day. Canad. Ayrshire Rev. 24: 381-382. Apr. 1944. 43.8 Ay72

24206 ROY, J. B. L'insémination artificielle des vaches laitières. Bul. des Agr. 40(4): 12, 26-27. Apr. 1944. 7 B872

24207 SWANSON, E. W., and HERMAN, H. A. The correlation between some characteristics of dairy bull semen and conception rate. Jour. Dairy Sci. 27: 297-301. Apr. 1944. 44.8 J822

24208 SWANSON, E. W., and HERMAN, H. A. Seasonal variation in semen quality of some Missouri dairy bulls. Jour. Dairy Sci. 27: 303-310. Apr. 1944. 44.8 J822

24209 SWENDSEN, GLENN. How I became interested in Milking Shorthorns. Milking Shorthorn Jour. 25(4): 21. Apr. 1944. 43.8 M59

24210 TAGLE, E. C. La cabaña y su influencia en el mejoramiento bovino. Campo [Buenos Aires] 28(327): 43-44. Jan. 1944. 9 C15

Beef cattle families of several breeds are discussed.

24211 TAGLE, E. C. Prácticas a seguir en la preparación de toros a campo en los certámenes ganaderos. Buenos Aires (City). Bolsa de Cereales. Rev. 31(1633): 37-40. Jan. 15, 1944. 287 B866

Discusses mainly breeding and feeding of beef cattle.

24212 TAUSSIG, STEFAN. How did better [dairy] bulls pay in Tompkins County? [N. Y.] Chemung Co. Farm Bur. News 29(3): 19. Mar. 1944. 275, 293 N. Y., Chemung Co.

24213 VERA, V. R. DE. Monografía sobre la raza Hereford. (Concl.) Hereford 11: 60-68. Jan./Feb. 1944. 43.8 H42

24214 WADE, C. B. Scale in our Milking Shorthorns. Milking Shorthorn Jour. 25(4): 3-4. Apr. 1944. 43.8 M59

24215 WEIK, RICHARD. What can Brown Swiss breeders do to maintain production under present conditions. Brown Swiss Bul. 22(10): 7, 15. Apr. 1944. 43.8 B81

24216 WELCH, J. H. Cavalcade of [beef and dairy] cattle breeds. Tex. Farming and Citric. 20(10): 8-9. Apr. 1944. 80 T31

#### Feeds and Feeding

24217 \*\*ALLEMANN, O. Ueber die bedeutung des vitamin D bei der ernährung des rindes unter besonderer berücksichtigung des einflusses verschiedener konservierungsverfahren auf die vitamin D-wirkung von grünfuttermitteln. Ztschr. f. Vitaminforsch. 1942, Beiheft 2, 84 p.

Abs. in Nutr. Abs. and Rev. 13: Item 2048. Jan. 1944. 389.8 N95

Experiments with silage and hay cured by several methods.

24218 ATHANASSOFF, NICOLAU. A engorda dos bovinos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 405-419. 9.2 Sa63

24219 BECKER, R. B., and others. Citrus molasses — a new feed. Jour. Dairy Sci. 27: 269-273. Apr. 1944. 44.8 J822

P. T. D. Arnold, G. K. Davis, and E. L. Fouts, joint authors.

Experiments with dairy cows.

24220 \*BOMBAY. DEPARTMENT OF AGRICULTURE. Groundnut cake, a cheap and useful concentrate food for livestock. Bombay. Dept. Agr. Spec. Pam. 4, 2 p. Poona, 1941? 22 B63Sp

Restricted to cattle.

24221 BRADLEY, M. R. Pasture and silage for summer milk. Hoard's Dairyman 89: 231, 249. Apr. 25, 1944. 44.8 H65

24222 BROWN, H. L. Feeding dairy calves for veal. Fla. Poultryman and Stockman 10(4): 21. Apr. 1944. 47.8 F66

24223 CANNON, C. Y. Wartime problems of the dairyman. Nebr. State Dairyman's Assoc. Ann. Conv. 1943. In Nebr. State Bd. Agr. Ann. Rpt. 1943: 192-199. 2 N27R

Problems in feeding, care and management of dairy cattle.

24224 FIELDS, ERNEST E., AND SON. Sugar beet by-products help produce champions [steers]. Sugar Beet 4(2): 10. Mar. 1944. 66.8 Su34B

24225 FOSTER, J. E. More beef from less foods suitable for human use. Res. and Farming. Prog. Rpt. [N. C. Sta.] 2(1): 4-5. Jan. 1944. 100 N81R

24226 GONZALEZ O., CARLOS. La mayor entrada en relación con el gasto de concentrados en la alimentación de las vacas lecheras. Rev. de Agr. y Com. [Panama] 3(29): 42-43. Jan. 1944. 8 R3291

24227 GRAHAM, W. R., JR. Milk production research...how cows use their feed to make milk. Holstein-Friesian Jour. 7(1): 11-12, 14, 16. Apr. 1944. 43.8 H743

24228 HERMS, W. M., and others. Steer and lamb-feeding trials with various forms of sugar-beet pulp. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 150-160. 1943. 66.9 Am35

R. E. Miller, H. R. Guilbert, and R. D. Jones, joint authors.

24229 HILL, O. J., and SPIELMAN, A. A. Save more feed [for dairy cattle by making silage]. Washcoegg 21(12): 13-14. Apr. 1944. 47.8 W27

24230 JIMENEZ, RODRIGO. Aprovechamiento de las vacas mediante el cultivo del pasto gordura. Rev. Pecuaria, No. 56/57, p. 3-4. May/June 1943. 19 R326

24231 KEYES, E. A. High levels of vitamins A and D fed to dairy calves prove beneficial. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 2), p. 4-5. Mar. 1944. 100 P381

24232 KRAUSS, W. E. Feeding to avoid summer slump in milk production. Natl. Butter and Cheese Jour. 35(4): 70. Apr. 1944. 286.85 B98Bu

24233 \*LOBANOV, A. Sapropel' v ratsionakh korov i sviney [Sapropel in the rations of cows and swine]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 205/206, 2 p. Nov. 1943. 49 Sa4

24234 MCCRARY, C. M., and TAYLOR, G. E. A comparison of Manamar and cottonseed meal in the ration of dairy cattle. Mich. Agr. Expt. Sta. Quart. Bul. 26: 178-181. Feb. 1944. 100 M58S

24235 SNELL, M. G., MORRISON, F. L., and JACKSON, M. E. Corn, rice products and molasses for fattening steers in dry lot. Grain & Feed Jours. Consolidated 92: 285. Apr. 12, 1944. 298.8 G762

24236 SWANSON, E. W., and HERMAN, H. A. The digestibility of Korean lespedeza hay and ground Korean lespedeza seed for dairy heifers. Jour. Dairy Sci. 27: 263-268. Apr. 1944. 44.8 J822

24237 THOMAS, N. J. How to improve pastures [for dairy cattle]; what good pasture management means; the value of artificial fertilizers. Canad. Countryman 33(7): 5, 37. Apr. 1, 1944. 7 C833



- 24238 TREICHLER, A. A criação de bezerros. Agr. e Pecuaria 16(249): 4-5. Dec. 1943. 9.2 Ag89  
Discusses feeding.
- 24239 WOLFE, M. J. Feed situation. Calif. Milk News 23(2): 5. Apr. 14, 1944. 44.8 Cl24  
Feeding suggestions for dairy farmers.

#### Veterinary Medicine

- 24240 \*AYYANGAR, S. S. Cutaneous trypanosomiasis in bovines. Indian Vet. Jour. 20: 195-196. Jan. 1944. 41.8 In2
- 24241 BARRIOS S., AUGUSTO. Exploración clínica de los genitales de las vacas. Guatemala. Sec. de Agr. Rev. Agr. 20(10/12): 56-57. Oct./Dec. 1943. 8 G934

For the early diagnosis of pregnancy.

- 24242 BARRIOS S., AUGUSTO. Vacas estériles (machorras). Guatemala. Sec. de Agr. Rev. Agr. 20(10/12): 55-56. Oct./Dec. 1943. 8 G934

- 24243 BROWN, P. C. Physiological and histological changes in the vagina of the cow during the estrual cycle. Amer. Jour. Vet. Res. 5: 99-112. Apr. 1944. 41.8 Am3A

- 24244 \*CASTRO, A. V. DAS N. E. Um projecto de campanha contra a tuberculose bovina. Rev. de Med. Vet. [Lisbon] 38: 209-244. July/Sept. 1943. 41.8 R5215

- 24245 COON, G. H. Should vaccinated calves be blood tested for brucellosis? Holstein-Friesian World 41: 534. Apr. 15, 1944. 43.8 H742

- 24246 D'APICE, MARIO. Brucelose bovina (aborto contagioso bovino). (Concl.) Rev. dos Criadores 14(15): 35-36. 41. Nov. 1943. 43.8 R32

- 24247 ELOY BANCORA, ERNESTO. Animales sanos. Campo [Buenos Aires] 28(328): 8-10. Feb. 1944. 9 Cl5

Signs of health and disease in cattle.

- 24248 GOMEZ, O. J. La actinomicosis en el ganado vacuno. Rev. Pecuaria, No. 56/57, p. 28-30. May/June 1943. 49 R326

- 24249 GORRIE, C. J. R. New, South, Wales, criticism of strain 19 vaccine against abortion. Stock and Land 34(7): 3. Feb. 16, 1944. 49 St63

- 24250 GOULD, G. N. The control of mastitis. Vet. Rec. 55: 491. Dec. 18, 1943. 41.8 V641

- 24251 HAMMOND, J., JNR. Twin calves to order. Farmer & Stock-Breeder 58: 467. Mar. 21, 1944. 10 F228

Hormonal stimulation of physiological process of reproduction.

- 24252 HAWK, R. C. Tratamiento efectivo de la mastitis bovina. Agr. y Ganad. 19(4): 3-8. Feb. 29, 1944. 8 Ag834

- 24253 HENNING, M. W. Paratyphoid in calves. Farming in So. Africa 19: 59-44. Jan. 1944. 24 So842

- 24254 HERMAN, H. A. Stimulating milk production with thyroprotein and thyroxine. Jersey Bul. 63: 382. Apr. 5, 1944. 43.8 J48

- 24255 HOPKIRK, C. S. M., and PALMER-JONES, T. Mastitis in dairy cows. A bacterial and leucocytic survey of the laboratory herd through four seasons. New Zeal. Jour. Sci. and Technol. Sect. A, Agr. 25: 49-62. Aug. 1943. 514 N48A

- 24256 HOPPER, T. H. Methods of estimating the physical and chemical composition of cattle. Jour. Agr. Res. 68: 239-268. Mar. 15, 1944. 1 Ag84J

- 24257 HOUELOT, C. Les enfermedades de la ubre y su tratamiento. Rev. de Agr. y Com. [Panama] 3(29): 29-40. Jan. 1944. 8 R3291

- 24258 \*JANAKIRAMAYYA, BH. A case of urolithiasis in a buffalo calf. Indian Vet. Jour. 20: 201-202. Jan. 1944. 41.8 In2

- 24259 JOHNSON, E. P., and PRATT, A. D. Johnes's disease and johnin reactions. Amer. Jour. Vet. Res. 5: 117-124. Apr. 1944. 41.8 Am3A

- 24260 JOHNSON, H. W. Studies on johnin. III. Multiple testing on sensitized cattle as a method of studying johnin potency. Amer. Jour. Vet. Res. 5: 179-188. Apr. 1944. 41.8 Am3A

- 24261 \*KASTLI, P. Der euterkatarrh. Landw. Jahrb. der Schweiz 57: 366-417. 1943. 17 L25  
French summary.

Mastitis caused by improper milking methods.

- 24262 KEARNEY, W., and MOLONEY, P. D. Immunization as a means of overcoming bovine mastitis. Vet. Rec. 55: 489-491. Dec. 18, 1943. 41.8 V641
- 24263 KUMMER, F. A., and JOHNSON, H. W. Studies on johnin: IV. Dermal thickness gage. Amer. Jour. Vet. Res. 5: 189-192. Apr. 1944. 41.8 Am3A

Description and working drawings of the instrument.

- 24264 \*MAQSOOD, M. Apoplexy in a heifer. Indian Vet. Jour. 20: 191-193. Jan. 1944. 41.8 In2

- 24265 \*MAQSOOD, M. Cardiac echinococcosis in a buffalo. Indian Vet. Jour. 20: 193-194. Jan. 1944. 41.8 In2

- 24266 MORGAN, B. B. Normal agglutinins in vertebrate sera for Trichomonas foetus (Protozoa). Helminthol. Soc. Wash. Proc. 11: 21-23. Jan. 1944. 436.9 H36

- 24267 NICHOLS, C. W., JR. The embryology of the calf: fetal growth weights, relative age and certain body measurements. Amer. Jour. Vet. Res. 5: 135-141. Apr. 1944. 41.8 Am3A

- 24268 \*NORELL, N. O., and OLSON, ÅKE. Om värdet av serologiska mjölkundersökningar medelst "ABR" (Abortus Bang Ringprobe) (On the value of serological investigation of milk according to "ABR" (Abortus Bang Ringprobe). Skand. Vet. Tidskr. 53: 321-341. June 1943. 41.8 Sk1

English summary.

- 24269 QUIN, A. H. Shall we vaccinate adult cattle for Bang's? Successful Farming 42(4): 120. Apr. 1944. 6 Su12

- 24270 ROGERS, J. A. Routine procedure to prevent retained placentae in cows. Pa. Univ. School Vet. Med. Vet. Ext. Quart., No. 93, p. 11-12. Jan. 18, 1944. 41.9 P586

Injection of pituitary extract.

- 24271 \*SEELEMAN, M., and MEYER, A. Zur standardisierung von abortus-Bang-impfstoffen. I. Teil: Untersuchungen über bestimmung und festlegung der keimzahl. Berlin. u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 29/50, p. 236-259. July 23, 1943. 41.8 B45

- 24272 VELASQUEZ Q., JOSÉ. Aborto contagioso en Colombia. Rev. Pecuaria, No. 56/57, p. 24-28. May/June 1943. 49 R326

- 24273 WELCH, HOWARD. Urinary calculi in calves. Mont. Farmer 51(15): 12, 31. Apr. 1, 1944. 6 M764

- 24274 WILWERTH, L. M. Castración de vacas. Campo [Buenos Aires] 28(327): 42. Jan. 1944. 9 Cl5

#### Miscellaneous

- 24275 ADAMS, A. B. The Hosier system. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 352-354. Dec. 1943. 23 W52J

Method of handling a dairy based on an open air system with transportable bails for milking.

- 24276 ATHANASSOFF, NICOLAU. Fatores que influem na produção de leite limpo e bom. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 487-488. 1943. 31.9 Sa63

Milking precautions.



24277 ATHANASSOF, NICOLAU. A ordenha das vacas leiteiras. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 361-372. 9.2 Sa63

24278 BECKER, R. B. Eliminate cull [dairy] cows for feed conservation and for profit. Fla. Poultryman and Stockman 10(4): 18. Apr. 1944. 47.8 F66

24279 BERGERET, GUADALBERTO. Leche higiénica. Rev. Pecuaria, Nos. 60/63, p. 21-24. Sept./Dec. 1943. 49 R326

Sanitary production and handling of milk.

24280 BISHOP, W. W. Raise own beef. [N. Y.] Suffolk Co. Farm Bur. News 28(3): 2. Mar. 1944. 275.293 N. Y., Suffolk Co.

24281 BROWN, H. L. Wartime dairy [eight-point] program [in Florida] planned. Fla. Grower 52(4): 13. Apr. 1944. 80 F6622

24282 CULLITY, M., and DRAKES, B. H. The official Australian pure bred dairy cattle production recording scheme. Western Australian results. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 338-351. Dec. 1943. 23 W52J

24283 FAULDER, J. H. Five generations. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 30-32. Apr. 1944. 10 G79J

Dual purpose Shorthorns on a farm in Great Britain.

24284 \*GALLÁSTEGUI, IGNACIO. Concursos de ganadería en Guipúzcoa. Agricultura [Madrid] 13: 11-14. Jan. 1944. 15 Ag84

Dairy cattle exhibitions in Spain.

24285 HEIZER, E. E. Fast milking routine. Natl. Butter and Cheese Jour. 35(4): 28. Apr. 1944. 286.85 B98Bu

24286 HODGSON, R. E. Dairy cattle of Colombia. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 73-74, 76. Apr. 1944. 1 F752A

Dairy cattle and the dairy industry.

24287 HOPSON, G. H. The job of milking. De Laval Monthly 38(2): 10-11. Mar./Apr. 1944. 44.8 D37

24288 HUDSON, V. R. Facts and fancies about... [cow testing]. Maine Milk Prod. 3(7): 4. Apr. 1944. 44.8 M28

24289 \*KVASHNINA, PELAGEIA. Kak ia poluchila 3470 litrov moloka ot korovy [How I obtained 3470 litres of milk from a cow]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 230/231, 2 p. Dec. 1943. 49 Se4

24290 \*LEBEDEV, D. Ispol'zovanie krupnogo rogatogo skota na sel'skokhoziaistvennykh rabotakh [Utilization of large-horned cattle in agricultural work]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 239/240, 4 p. Dec. 1943. 49 Se4

Dairy cattle as draft animals.

24291 MELTON, C. P., JR. Dairy cattle on Rio Banco Farms [in Texas]. Tex. Farming and Citric. 20(10): 6. Apr. 1944. 80 T31

24292 MILLER, H. A. Forced out of fruit growing; McDonald [Missouri] farmers now are top-notch dairy-men. Mo. Ruralist 85(6): 2. Mar. 25, 1944. 6 R8891

24293 MUCIOLO, PASCOAL. Novas instalações da granja de Vila Brandina. Rev. dos Criadores 14(15): 51-55. Nov. 1943. 43.8 R32

Discusses a modern dairy barn and equipment in Brazil and sanitary milk production.

24294 NATIONAL RESEARCH COUNCIL. COMMITTEE ON ANIMAL HEALTH. Recommendations for proper milking. Calif. Cult. 91: 184-185. Apr. 1, 1944. 6 C12

24295 ROBERTS, G. A. A necessidade de formar novas raças. Vida Rural e Econ. 5(10/11): 37-38. Oct./Nov. 1943. 9.2 V662

Discusses adaptation of cattle to climate.

24296 RUTHERFORD, R. R. Dehorning [of beef cattle] - its advantages and practice. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 285-287. Dec. 1943. 23 W52J

24297 SEVERSON, HAROLD. Another crop for Mississippi. South. Agr. 74(4): 7, 22. Apr. 1944. 6 So83

Raising beef cattle is stressed in diversified farming system.

24298 \*SHUBINA, FEKLA. Kak ia poluchila 2836 litrov moloka ot korovy [How I obtained 2836 litres of milk from a cow]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 226/227, 2 p. Dec. 1943. 49 Se4

24299 STAPPEN, JAN VAN. The live stock of Holland: what has happened to the high producing herds of pre-war days as a result of Nazi occupation -- what importations will be needed when freedom is restored? Farmer's Mag. 41(4): 11, 56-57. Apr. 1944. 7 C165

Discusses mainly dairy cattle.

24300 \*VARDEHAUG, ARNE. Storfe som trekkdyr [Large cattle as draft animals]. Norsk Landbruk 9: 30. Feb. 5, 1943. 11 N8122

24301 VEIGA, J. S. A vaca leiteira. Principais pontos considerados no seu julgamento pelo exterior. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 420-432. 9.2 Sa63

#### DOGS AND CATS

##### Breeds and Breeding

24302 BAIRD, JACK. "Harry Hartnett" [breeder of Irish Setters]. Dog World 29(4): 49. Apr. 1944. 48.8 D672

24303 THE BREEDS in brief. No. 25: Toy Manchester Terrier. Amer. Kennel Gaz. 61(4): 29-30, 137-138. Apr. 1944. 48.8 Am3

24304 BURNS, MARCA. Hair pigmentation and the genetics of colour in Greyhounds. Roy. Soc. Edinb. Proc., Sect. B (Biol.) 61: 462-490. 1943. 501 Ed4P

24305 CROIX, MAGNE DE LA. Qué perro de caza elegir? Rev. de Agr. y Com. [Panama] 3(29): 57-61. Jan. 1944. 8 R3291

Various breeds are discussed.

24306 FARRINGTON, F. C. Cocker gait - what it is and how important. Dog World 29(4): 20, 30-31. Apr. 1944. 48.8 D672

24307 FLORSHEIM, MARION. A poor-moving Afghan [hound] is not a top Afghan. Dog World 29(4): 55. 63. Apr. 1944. 48.8 D672

24308 HARRIS, BEATRICE. Sheltie [dog] lore. All-Pets Mag. 15(11): 22. Apr. 1944. 48.8 A15

24309 HOFMAN, MRS. BYRON. Pom [eranian] legs. (Cont.) Dog World 29(4): 77. Apr. 1944. 48.8 D672

24310 KAUFFMAN, R. E. [Bailey's] questions on Chi [huahua] breed of dog. (Cont.) Dog World 29(4): 77, 79. Apr. 1944. 48.8 D672

24311 LARIMER, H. K. Pointer disposition and temperament. (Cont.) Dog World 29(4): 49. Apr. 1944. 48.8 D672

24312 REED, MRS. H. O. Red, Tortie colorbreeding [in cats]. All-Pets Mag. 15(11): 29, 31. Apr. 1944. 48.8 A15

24313 ROLLINGS, E. J. Why I chose the Dane. Dog World 29(4): 58. Apr. 1944. 48.8 D672

##### Feeds and Feeding

24314 ELVEHJEM, C. A., GONCE, J. E., JR., and NEWELL, G. W. The effect of vitamin E on reproduction in dogs on milk diets. Jour. Ped. 24: 436-441. Apr. 1944. 448.8 J8291



24315 SIMMONDS, R. A. The frozen dog food industry. Butchers' Advocate 115(14): 11. Apr. 5, 1944. 286.85 B97  
Discusses mainly keeping quality and palatability.

#### Veterinary Medicine

24316 \*ALSTROM, INGEMAR. Några iakttagelser i samband med sulfonamidterapi hos hund (Some observations in connection with sulphonamid-therapy for dog). Skand. Vet. Tidkr. 33: 357-367. June 1943. 41.8 Sk1

English summary.

24317 COLLIER, H. B., and MACK, G. E., JR. Vitamin B and phenothiazine anaemia in dogs. Canad. Jour. Res. Sect. E, Med. Sci. 22: 1-11. Feb. 1944. 470 Cl6E

24318 \*DALMATOV, M. K. K voprosu o deistvii karboholina na zheludochnuŭ secretsiiŭ [On the subject of the effect of carbocholine on stomach secretions]. Veterinariia 19(8/9): 29-30. Aug./Sept. 1942. 41.8 V6426

In dogs.

24319 \*MUDALIAR, S. V. Canine rickettsioses in south India - a preliminary note. Indian Vet. Jour. 20: 163-164. Jan. 1944. 41.8 In2

24320 \*RAMANARAYAN, S. A case of torticollis (avitaminosis) in a pup. Indian Vet. Jour. 20: 199-200. Jan. 1944. 41.8 In2  
Due to vitamin B deficiency.

24321 WHITE, J. B., and FOUST, H. L. Growth changes in body organs. III. Growth changes in the pituitary of the normal dog. Amer. Jour. Vet. Res. 5: 173-178. Apr. 1944. 41.8 Am3A

#### Miscellaneous

24322 COUCH, V. M. Dog's companionship comfort for many. All-Pets Mag. 15(11): 27. Apr. 1944. 48.8 A15  
Requires training.

24323 DISSELHORST, LOUISE. The coat of the dog, and care required. All-Pets Mag. 15(11): 23. Apr. 1944. 48.8 A15

24324 STATE requirements on the shipment of dogs. (Cont.) Dog World 29(4): 12. Apr. 1944. 48.8 D672

24325 TAYLOR, G. E. Daily care gives healthy condition of the cat's coat. All-Pets Mag. 15(11): 35. Apr. 1944. 48.8 A15

#### HORSES AND MULES

##### Breeds and Breeding

24326 ADAIR, WILLIAM. Heavy horse-breeding policy; mating Clydesdale with Shire? Farming News and No. Brit. Agr. 96(12): 3. Mar. 17, 1944. 10 N82

24327 BEALL, J. A. Inspection and registration of Quarter horses. Ranchman 3(12): 26-27. Apr. 1944. 49 R15

24328 CASARES, E. R. Las razas equinas de tiro pesado. El caballo Shire. Res 12: 15385-15386. Jan. 5, 1944. 286.85 R31

24329 CHIEFFI, ARMANDO. Industrialização dos híbridos. Elementos formadores dos mares nacionais. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 373-394. 9.2 Sa63

24330 COOPER, C. E. Importance of breeder awards for horses winning races. Thoroughbred 4 (2): 18-19. Mar. 1944. 42.8 T393

24331 DENHARDT, R. M. O cavalo das Américas. Assoc. dos Criadores de Cavalos Crioulos. An. 9(11): 33-34. July 1943. 42.9 As7  
Crioulo, Criollo or Quarter Horse according to country.

24332 DOWDALL, R. C. A alçada e o "standard" da raça Crioula na Argentina. Assoc. dos Criadores de Cavalos Crioulos. An. 9(11): 17-21. July 1943. 42.9 As7

24333 \*EMEL'IANOV, F. Nasha gordost' [Our pride]. Kolkhoz. Proivod., No. 11/12, p. 13. Nov./Dec. 1943. 281.8 K83

Description of the horse breeding farm of the kolkhoz. "Stalinit" in the Chuvash ASSR.

24334 GLENDENNING, G. M. Pintos -- Overos and Tobianas. West Livestock Jour. 22(28): 119, 122. Apr. 15, 1944. 6 F2278

24335 KOESTER, F. W. Where does the Thoroughbred go from here? Thoroughbred 4(2): 6-7. Mar. 1944. 42.8 T393

24336 \*LIEN, KARL. Følprosenten hjå norske hestar [The percentage of foals for Norwegian horses]. Norsk Landbruk 9: 128-129. May 14, 1943. 11 N8122

#### Feeds and Feeding

24337 BENDAYAN, P. J. Importancia de las sales de calcio durante la gestación de los yeguarizos y mulares. Agrario [Santiago, Chile] 8(329): 13-14. Dec. 15, 1943. 9.3 Ag85

24338 DINSMORE, WAYNE. Horses need pasture. Tex. Livestock Jour. 3(3): 37D. Mar. 15, 1944. 49 T29

Name given as Wayne Dismore.

24339 HOWELL, C. E. Goat milk for foals. West. Livestock Jour. 22(28): 120. Apr. 15, 1944. 6 F2278

24340 ROUX, L. L., and VAN DER MERWE, H. J. The draught horse. IV. (a) Feed requirements. (b) The rearing of foals. Farming in So. Africa 19: 21-28. Jan. 1944. 24 So842

#### Veterinary Medicine

24341 \*BOBASHINSKIĬ, A. I. Lechenie ran odyemniem [Umigation treatment of wounds]. Veterinariia 19(8/9): 23-24. Aug./Sept. 1942. 41.8 V6426  
In horses, particularly.

24342 \*DUBASOV, P. Prolan. Kolkhoznoe Proizvodstvo, No. 1. p. 25. Jan. 1943. 281.8 K83  
Gonadotropins as treatment for sterility in mares.

24343 ENGELBRECHT, H. J. Removal of a nasal obstruction. Vet. Student 6: 138-139. Winter 1944. 41.8 V6425

Removal of polyp from a horse.

24344 EVANS, O. R. Hormones from horses. Canad. Business 17(3): 58-59, 162. Mar. 1944. 287 Cl62  
Estrogens from pregnant mares.

24345 FOSTER, A. O., and HABERMANN, R. T. Observations on controlling horse strongyles with repeated small doses of phenothiazine. Helminthol. Soc. Wash. Proc. 11: 15-17. Jan. 1944. 436.9 H36

24346 FOSTER, A. O. Some instances of inter-specific copulation among equine Strongylidae (Nematoda) and their probable significance. Helminthol. Soc. Wash. Proc. 11: 17-18. Jan. 1944. 436.9 H36

24347 KUBES, VLADIMIR. Virus encefalomielitico equino, tipo Venezuela, en Trinidad (Venezuelan-type equine encephalomyelitis virus in Trinidad). Venezuela. Min. de Agr. y Cria. Dir. de Ganad. Inst. de Invest. Vet. Bol. 1: 169-174. Dec. 1943. 41.9 V552  
English summary. For full text in English, see 9740

24348 \*LEITÃO, J. L. DA S. A Nuttallia equi em Portugal. Rev. de Med. Vet. [Lisbon] 38: 266-267. July/Sept. 1943. 41.8 R3215

24349 \*LENTZ, Verhütung und bekämpfung der fohlenlähme. Deut. Landw. Tierzucht 47: 152-153. July 17, 1943. 49 D48



24350 LUCKEY, D. F. Out tendons and open joints. A "Luckey" way to fix them. Fort Dodge Bio-Chem. Rev. 15(1): 8, 15. Spring 1944. 41.8 F772  
In horses and mules.

24351 MCKINNA, W. R. Br. abortus infection in the horse. Vet. Rec. 55: 491. Dec. 18, 1943. 41.8 V641

Cause of fistulous withers.

24352 MILLER, J. K. Meningococcal endocarditis in immunized horses. Amer. Jour. Path. 20: 269-276. Mar. 1944. 44.8 Am39

24353 MOHNEY, LEONARD. Atypical purpura hemorrhagica in a mare. Vet. Med. 38: 485-486. Dec. 1943. 41.8 M69

24354 MOLTER, BILL. Lameness of Thoroughbreds [sic] analyzed. Thoroughbred 4(2): 24. Mar. 1944. 42.8 T393

24355 \*NÖRR, JOHANNES. Ein beitrag zu den klinischen erscheinungen bei gastrularvenbefall des pferdes. Berlin. u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 29/30, p. 241-243. July 25, 1943. 41.8 B45

Gasterophilus intestinalis.

24356 RIVEROS SOSA, H. R. Llagas de verano (habronemosis). Campo [Buenos Aires] 28(327): 37. Jan. 1944. 9 C15

24357 \*STRELKOV, N. M. K primeneniiu protivotolbniachnoi syvorotki [On the use of antitetanic serum]. Veterinariia 19(8/9): 41. Aug./Sept. 1942. 41.8 V6426

24358 \*STRELKOV, N. M. Podkozhnaia malleinizatsiia i posledofushchee issledovanie krovi po RSK na sap [Injection of mallein and the subsequent complement fixation blood test for glanders]. Veterinariia 19(8/9): 41. Aug./Sept. 1942. 41.8 V6426

24359 VAGNI, D. U. Un caso de eczema seborreico. Campo [Buenos Aires] 28(326): 56-57. Dec. 1943. 9 C15

24360 \*VIDDINSKIĬ M. Khloristyĭ kal'tsiĭ pri ekploatatsionnom istoshchenii loshadei [Calcium chloride in treating work exhaustion in horses]. Veterinariia 19(8/9): 42. Aug./Sept. 1942. 41.8 V6426

24361 \*VOSS, H. J. Die entstehung von sog. koliken der pferde im lichte anatomischer und funktioneller betrachtungen. Berlin. u. München. Tierärztl. Wchnschr. u. Wien. Tierärztl. Monatsschr., No. 29/30, p. 231-236. July 23, 1943. 41.8 B45

24362 WILSON, A. P. Persistent foramen ovale in a foal. Vet. Med. 38: 491-492. Dec. 1943. 41.8 M69

#### Miscellaneous

24363 \*BUGAEV. Kak my vypolniaem postanovlenie SNK SSSR i TSK VKP(b) o razvitii konevodstva [How we are fulfilling the orders of the People's Commissars of U. S. S. R. and of the Central Committee of the Communist Party on the raising of horses]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 185/186, 4 p. Oct. 1943. 49 Se4

Care of work horses used for breeding.

24364 CABRERA, ANGEL. O fetiche da alçada. Assoc. dos Criadores de Cavalos Crioulos. An. 9(11): 10-15. July 1943. 42.9 As7

Discussing height in horses.

24365 CHIEFFI, ARMANDO. O Brasil precisa de bons equideos. Rev. dos Criadores 14(15): 37-38; 15(1): 21-24. Nov. 1943, Jan. 1944. 43.8 R32

A general account of the horse.

24366 GONÇALVES, R. A. Como os gaúchos tosam os seus cavalos. Assoc. dos Criadores de Cavalos Crioulos. An. 9(11): 30-32. July 1943. 42.9 As7

24367 HART, H. S. More horses should be gelded to improve them as racers. Thoroughbred 4(2): 22. Mar. 1944. 42.8 T393

24368 LAFORTUNE, J. G. Horses in woods work; huge turnover of horses is a big loss on investment of several million dollars. Pulp and Paper Mag. Canada 45: 321-323. Mar. 1944. 302.8 P96

Selection, feeding, care and management.

24369 ORCUTT, H. P. Grooming, care of saddlery, shoeing [of horses]. Ariz. Stockman 10(3): 7, 22-24. Apr. 1944. 49 Ar4

#### POULTRY

##### Breeds and Breeding

24370 ANDREWS, D. H. Outlines of Magpie [pigeon] history. Pigeon News 49(873): 4, 17. Dec. 1943. 47.8 P621

24371 BENSON, E. F. Light Brahma Bantams; a breed that has made great strides toward perfection in recent years. Poultry Press 30(11): 1, 3. Apr. 6, 1944. 47.8 P8643

24372 BOWER, J. J. Cornish, the fowl supreme. Southeast. Cornish News 5(3): 6. Mar. 1944. 47.8 So87

Includes a history of the breed.

24373 BRETON Y OSUNA, Z. S. Utilidad de la cria del pato. Campo [Buenos Aires] 28(327): 39. Jan. 1944. 9 C15

24374 CURZON, JOE. Wyandotte [Bantam] breeding secrets. Poultry Farmer [London] 110(2857): 6. Mar. 24, 1944. 47.8 F312

24375 DEARSTYNE, R. S. Breeding poultry for superior performance. Res. and Farming. Prog. Rpt. [N. C. Sta.] 2(1): 6-7. Jan. 1944. 100 N81R

24376 FITTERER, GEORGE. Bantams include every large type. All-Pets Mag. 15(11): 47. Apr. 1944. 48.8 A15

Value as pets for children.

24377 HEALE, WALTER. Does inbreeding result in cockerel chicks? Poultry Farmer [London] 110(2857): 3. Mar. 24, 1944. 47.8 F312

24378 MCARDLE, A. A. Cross breed production of table birds. So. Austral. Dept. Agr. Jour. 47: 310-313. Feb. 1944. 23 So84

24379 MAZE, L. O. Barred rocks; numerous changes in the standard have worked a hardship on this great breed. Poultry Press 30(11): 1, 2. Apr. 6, 1944. 47.8 P8643

24380 MUNRO, S. S. Breeding for fast feathering, the advantages...and the rules to follow to establish it. Canad. Poultry Rev. 68(4): 10-11. Apr. 1944. 47.8 C16

Also in Canada Poultryman 31(4): 7. Apr. 1944. 47.8 C166

24381 NEWMAN, TOM. Same parents but different laying abilities, a few words about breeding for egg production. Mod. Poultry Keeping 50: 208, 209. Mar. 22, 1944. 47.8 Eg3

24382 OLSEN, M. W., and FRAPS, R. M. Maturation, fertilization, and early cleavage of the egg of the domestic turkey. Jour. Morph. 74: 297-309. Mar. 1944. 44.8 J826

24383 \*FENIOZHKEVICH, E. Spособy povysheniia oplodotvorennosti laits gusei [Methods of increasing the fertilization of geese eggs]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 211/213, 3 p. Nov. 1943. 49 Se4

24384 PERKINS, R. L. Differences in performance [of roller and tumbler pigeons]. All-Pets Mag. 15(11): 52-53, 55. Apr. 1944. 48.8 A15

Devoted mainly to a quoted statement by W. H. Pensom.

24385 \*POZO PELAYO, CANDIDO DEL. Los patos de "El Encin." Agricultura [Madrid] 12: 535-538. Dec. 1943. 15 Ag84

Records of Khaki Campbell breed of ducks.



24386 PULGAR, JOAQUIN. Porque debe seleccionarse el gallo para formar familias de atlas ponedoras. (Concl.) Mundo Avic. 6(64): 39. June 1943. 47.8 M92

24387 SCHULZ, W. F. Orientals [pigeons]. (Concl.) All-Pets Mag. 15(11): 51, 54. Apr. 1944. 48.8 A15

24388 SOUTHMAYD, J. W. Cornish fowl in America — past and present. Southeast Cornish News 5(3): 10-11. Mar. 1944. 47.8 So87

24389 SOWELL, D. F. Un avicultor experto da reglas para criar mejores pavos. Campo y Arados 8 (83): 18-19. Jan. 1944. 9.9 C152

24390 STURGEON, R. H. Barred Rocks; the new standard color for the females, blue tone of color of importance. Poultry Press 30(11): 1. Apr. 6, 1944. 47.8 P8643

24391 THORNYCROFT, L. B. Mating up [Old English] Pheasant Fowl. Poultry [London] 94: 163. Mar. 14, 1944. 47.8 P869

24392 WHITEHEAD, PAUL. What is a Game cock? Game Fowl News 20(2): 10-12. Apr. 1944. 47.8 G143

24393 WILLIAMS, G. T. It pays to pedigree. Poultry [London] 94: 131. Feb. 29, 1944. 47.8 P869

#### Feeds and Feeding

24394 ALMQUIST, H. J., and GRAU, C. R. Interrelation of methionine, choline, betaine and arsenocholine in the chick. Jour. Nutr. 27: 263-269. Mar. 10, 1944. 389.8 J82

24395 ALONSO NERVO, LEONARDO. Cuánto comen sus gallinas? Unión Agr. del Sur 2(9): 32-33. Jan. 1944. 9.3 Un3

24396 BARTHOLOMEU, ALDO. A alimentação das aves domésticas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 341-360. 9.2 Sa63

24397 BOBBY, F. C. Poultry keeping. Part 4. The theory and practice of poultry feeding. New Zeal. Dept. Agr. Bul. 198, 27 p. Wellington, 1943? 23 N48Bu

Reprinted, with slight changes and the addition of an index, from New Zeal. Jour. Agr., Feb. 16-Aug. 15, 1942. 23 N48J

24398 BRANT, A. W. Soybean oil meal in turkey rations. Washcoegg 21(12): 19-20. Apr. 1944. 47.8 W27

24399 BRANT, A. W., LAW, A. G., and KRETZINGER, E. J. Value of green feed [for turkeys] shown; birds on green pasture eat 7 o/o less feed and have better livability and more rapid rate of gain. Turkey World 19(4): 18, 20. Apr. 1944. 47.38 T84

24400 BUTNER, E. E. Feeding pigeons. So. African Poultry, Pigeon and Bird Mag. 50: 42-43. Feb. 1944. 47.8 So83

24401 BUTNER, E. E. Look out for vitamin A deficiency disorders in poultry. So. African Poultry, Pigeon and Bird Mag. 50: 35. Feb. 1944. 47.8 So83

24402 CAVERS, J. R. Lower protein [chick] starter mashes mean better birds, fewer split tendons. Weekly Market News and Mod. Farmer 22(4): 4. Apr. 5, 1944. 286.81 G762A

24403 GAMERO ROBLES, A. M. La harina de pescado en la avicultura. Mundo Avic. 7(72): 18, 20-22. Feb. 1944. 47.8 M92

24404 HADLINGTON, E. Green feed lowers costs and improves health. Farmer and Settler 37(52): 11. Jan. 28, 1944. 23 F226

24405 HART, C. P., and STUART, H. O. Effect of supplements in poultry feeding on hatchability and economy. Grain & Feed Jours. Consolidated 92: 284. Apr. 12, 1944. 298.8 G762

24406 HEUSER, G. F., and NORRIS, L. C. Poultry pastures favor pullets, also save feeds and supply needed vitamins. Farm Res. [N. Y. State Sta.] 10 (2): 1, 17. Apr. 1, 1944. 100 N47A

24407 HOWES, H. Mash mixtures for the ducklings. Mod. Poultry Keeping 50: 205. Mar. 22, 1944. 47.8 Eg3

24408 HUGHES, C. E. It's the poultryman who'll scratch in '44; chick feed situation tight, but profit prospects hopeful. Here are rations, feeding tips. Successful Farming 42(4): 112, 114-115, 121. Apr. 1944. 6 Su12

24409 HURD, L. M. How to feed [poultry] efficiently. Poultry & Rabbit Monthly 12(4): 7-8. Apr. 1944. 47.8 P8654

24410 KAUFFMAN, H. H. Grass silage and hay improve wartime [turkey] rations; eastern growers use "canned" and dried greens. Turkey World 19(4): 22, 24, 52-54. Apr. 1944. 47.38 T84

24411 KENNARD, D. C. Why animal by-products are fed to poultry. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 113-118. Mar./Apr. 1944. 100 On35

Various feed mixtures as related to egg production.

24412 LEUSCHNER, F. H. Water — — — the cheapest thing we can provide for poultry, but often neglected. Everybodys Poultry Mag. 49(4): 10, 24-25. Apr. 1944. 47.8 F213P

24413 MARCELLUS, F. N. Getting back to nature, better birds are grown on lower feed and labor costs, and with less trouble, where good systematically planned pasture is available. Canad. Poultry Rev. 68(3): 3, 24-25. Mar. 1944. 47.8 C16

24414 MOORE, A. C. Waste becomes turkey meat. Poultry Farmer [London] 110(2856): 3. Mar. 17, 1944. 47.8 F312

24415 \*NORDLIEN, NILS. Fôringa på hønsehuset under kraftfôrrasjoneringen. Norsk Landbruk 9: 20-21. Jan. 22, 1943. 11 N8122

Feeding hens in Norway under the present feed shortages.

24416 \*SYRNEV, P. IĀ. Ispol'zovat' mestnye resursy dlia kormleniia ptitsy zimoi [To make use of home feeds for poultry in the winter]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 218/220, 4 p. Nov. 1943. 49 S4

24417 VOITELLIER, CH. Las raciones standard para las gallinas y algunas de sus enfermedades. (To be cont.) Rev. de Agr. y Com. [Panama] 3(29): 61-64. Jan. 1944. 8 R3291

Deals almost entirely with rations.

#### Veterinary Medicine

24418 BEESON, F. W. Copper sulphate being used to combat leucosis. Canada Poultryman 51(4): 9-10, 15. Apr. 1944. 47.8 C166

In pursuance of the theory that the disease is due to a mold.

24419 BOLONA R., JULIO. El cólera de las aves y la manera de combatirlo. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 28-29. Oct./Dec. 1943. 9.5 M31

24420 BUENO, R. C. A neurolinfomatose das aves. Biológico 9: 407-410. Dec. 1943. 442.8 B529

24421 BUENO, R. DE C. A tuberculose aviária. Rev. dos Criadores 14(15): 70-72. Nov. 1943. 43.8 R32

24422 BURMESTER, B. R., BRANDLY, C. A., and PRICKETT, C. O. Viability of a transmissible fowl tumor (Olson) upon storage at low temperatures. Soc. Expt. Biol. and Med. Proc. 55: 203-204. Mar. 1944. 442.9 Sol



- 24423 COLES, J. D. W. A. Overheating and chilling of chickens and some diseases which show similar symptoms. *Farming in So. Africa* 19: 4, 6. Jan. 1944. 24 So842
- 24424 CUNNINGHAM, C. H., and STUART, H. O. Egg-yolk medium for the cultivation of *Hemophilus gallinarum*. *Amer. Jour. Vet. Res.* 5: 142-146. Apr. 1944. 41.8 Am3A
- 24425 EIFORT, J. E. Coccidiosis in chickens. *Coop. Poultryman* 9(4): 3-4. Apr. 1944. 47.8 C782
- 24426 EIFORT, JACK. Fowl pox (chicken pox) vaccination. *Coop. Poultryman* 9(4): 11. Apr. 1944. 47.8 C782
- 24427 EMMEL, M. W. Sources of epidemic tremor in Florida chickens discussed. *Fla. Poultryman and Stockman* 10(4): 12. 47.8 F66
- Avian encephalomyelitis.
- 24428 FARNSWORTH, MRS. HENRY. Watch the trouble signs of chick diseases. *Mo. Ruralist* 85(7): 15. Apr. 8, 1944. 6 R8891
- 24429 GRUENWALD, PETER. Studies on developmental pathology. II. Sporadic unilateral microphthalmia and associated malformations in chick embryos. *Amer. Jour. Anat.* 74: 217-257. Mar. 1944. Ref., p. 250-252. 447.8 Am32
- 24430 HOGSETT, H. A. Hens can't blow their noses. *Pacific Rural Press [South. Ed.]* 147: 179. Mar. 18, 1944. 6 P112A
- Infectious coryza in poultry.
- 24431 JAMES, LOCKE. Look out for coccidiosis. *Cackle and Crow* 27(6): 8. Apr. 15, 1944. 47.8 C11
- 24432 JUNGHERR, ERWIN, and MINARD, E. L. The pathology of experimental avian pneumoencephalitis. *Amer. Jour. Vet. Res.* 5: 125-134. Apr. 1944. 41.8 Am3A
- 24433 KERLIN, D. L., and GRAHAM, ROBERT. Studies on certain filtrable viruses. VI. Antigenic properties of entire embryo fowl pox vaccine. *Soc. Expt. Biol. and Med. Proc.* 55: 225-226. Mar. 1944. 442.9 Sol
- 24434 KNIGHT, D. R., and MCDUGGLE, H. C. A protozoon of the genus *Tetrahymena* found in domestic fowl. *Amer. Jour. Vet. Res.* 5: 113-116. Apr. 1944. 41.8 Am3A
- 24435 LEVINE, P. P. You can control coccidiosis with certain sulfa drugs. *Hatchery Tribune* 18(4): 36, 38. Apr. 1944. 47.8 H28
- 24436 LINN, R. H., and others. Comparison of crystal violet antigen, thiosulfate antigen, and the tube method in testing pullorum serums. *Amer. Jour. Vet. Res.* 5: 158-163. Apr. 1944. 41.8 Am3A
- W. H. Leask, M. F. Gunderson, and J. M. Slack, joint authors.
- 24437 LLOYD, E. A., and BIELY, JACOB. Poultry mortality, the profit killer. *Canada Poultryman* 31(3): 10-14. Mar. 1944. 47.8 C166
- Practical suggestions for disease control.
- 24438 MINARD, E. L., and JUNGHERR, ERWIN. Neutralization tests with avian pneumoencephalitis virus. *Amer. Jour. Vet. Res.* 5: 154-157. Apr. 1944. 41.8 Am3A
- 24439 MODLER, A. R. Sulfa in respiratory disease of pigeons. *All-Pets Mag.* 15(11): 50. Apr. 1944. 48.8 A15
- 24440 PIRES, ANTONIO. Contribución al estudio de una vacuna contra la espiroquetosis aviar preparada en embriones de pollo. *La Plata. Univ. Nac. Facult. de Med. Vet. An. (1942)* 5: 129-135. 41.9 L312A
- 24441 RAMÍREZ, J. M. El ácido pantoténico y la "pelagra de los pollos." *Campo [Buenos Aires]* 28(328): 14. Feb. 1944. 9 C15
- 24442 \*RÉGNIER, VICTOR, and CARIDROIT, FERNAND. La physiologie de la crête. Recherches sur la teneur en lipides de la crête du coq, de la poule et du chapon. *Rev. Sci. [Paris]* 81: 33-35. Jan. 1943. 473 R32
- 24443 REIS, JOSÉ. Uma moléstia avassaladora - "a boubá." *Rev. Rural Bras.* 25(278): 42-43. Oct. 1943. 9.2 B733
- Fowl pox.
- 24444 REMEDI, H. F. Tuberculosis aviar. *Chacara* 14(159): 22-23. Jan. 1944. 9 C34
- 24445 \*SCHURMANN, E. Zur diagnose der geflügelpest. (Concl.) *Berlin. u. München. Tierärztl. Wehnschr. u. Wien. Tierärztl. Monatsschr.*, No. 27/28, p. 215-218. July 9, 1943. 41.8 B45
- 24446 SHOFFNER, R. N., and SMYTH, P. C. Response of sexually inactive chicken males to pregnant mare's serum. *Poultry Sci.* 23: 154-157. Mar. 1944. 47.8 Am33P
- 24447 TISCHHAUSER, L. A. Un tratamiento contra la coccidiosis de bondad comprobada. (Concl.) *Mundo Avic.* 6(64): 38. June 1943. 47.8 M92
- Miscellaneous
- 24448 ALEXANDER, A. K. S. Commercial breeders: pullets only. *Farmer & Stock-Breeder* 58: 473. Mar. 21, 1944. 10 F228
- Care and management.
- 24449 ALL INTERESTS join in National Poultry Conference [Ottawa, Jan. 12-15]. *Canad. Poultry Rev.* 68(2): 3-5, 33-34. Feb. 1944. 47.8 C16
- 24450 ANDERSON, C. F. Household poultry keeping; grow your own eggs. *So. Austral. Dept. Agr. Jour.* 47: 303-306. Feb. 1944. 23 So84
- 24451 ANE ALDERETE, ALEJANDRO. La cria de patos. *Vaqueros* 4(3): 15. Mar. 1944. 43.8 V41
- 24452 BARTON, G. S. H. Conclusions reached on approved practices at the National Poultry Conference, Ottawa. *Canad. Poultry Rev.* 68(2): 10-12. Feb. 1944. 47.8 C16
- 24453 BARTON, O. A. How to make turkeys "fit" on general farms. *Turkey World* 19(4): 12, 54-57. Apr. 1944. 47.38 T84
- 24454 BOBBY, F. C. Poultry-keeping as a source of income. (Cont.) *New Zeal. Jour. Agr.* 68: 144-145. Feb. 15, 1944. 23 N48J
- Factors to consider in establishing a poultry farm, in New Zealand.
- 24455 BROOMHEAD, W. W. Brooding artificially. *Poultry [London]* 94: 152. Mar. 7, 1944. 47.8 P869
- 24456 BROOMHEAD, W. W. More hints on incubation. *Poultry [London]* 94: 184, 188. Mar. 21, 1944. 47.8 P869
- 24457 BROOMHEAD, W. W. Rearing chickens indoors. *Poultry [London]* 94: 168. Mar. 14, 1944. 47.8 P869
- 24458 BROOMHEAD, W. W. Starting with a few pullets. *Poultry [London]* 94: 136. Feb. 29, 1944. 47.8 P869
- 24459 CAVERS, J. R. Better to give chicks space above ground than below. *Weekly Market News and Mod. Farmer* 22(15): 4. Apr. 12, 1944. 286.81 G762A
- 24460 CAVERS, J. R. Most poultry diseases can be avoided; there are few cures. *Weekly Market News and Mod. Farmer* 22(17): 4. Apr. 26, 1944. 286.81 G762A
- General care and hygiene.
- 24461 DAVIDSON, J. A., MCCRARY, C. M., and CARD, C. G. Off-season pullets to increase egg production. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 211-214. Feb. 1944. 100 M58S
- 24462 DAVIDSON, J. A., MCCRARY, C. M., and CARD, C. G. Summer broiler production. *Mich. Agr. Expt. Sta. Quart. Bul.* 26: 227-232. Feb. 1944. 100 M58S



24463 FRANCIS, J. F. Plan the range management, all activities connected with the summer raising of chickens. *Canad. Poultry Rev.* 68(3): 4-5. Mar. 1944. 47.8 C16

Includes design for range shelter.

24464 GOBBI, E. J. La cría del ganso. *Campo Buenos Aires*, 28(328): 22-23, 44-45. Feb. 1944. 9 C15

24465 HANNAS, R. R. Get good growth; laying flock results depend in large measure on how the pullets are grown. *Amer. Poultry Jour.* 75(4): 6, 20-21. May 1944. 47.8 Am32

Discusses the care and management needed.

24466 \*HAYDARI, DARWISH. Management, care and feeding of poultry. *Iraq. Min. Econ. Dir. Gen. Agr. Bul.* 9, 8 p. Bagdad, 1941. 22.5 M562Ag

In Arabic.

24467 HEIMAN, VICTOR. Huevos estafalarios. *Mundo Avic.* 6(64): 12, 14-15, 17. June 1943. 47.8 M92

24468 HICKS, J. S. That post-war poultry farm in Great Britain. *Poultry Farmer [London]* 110 (2857): 7. Mar. 24, 1944. 47.8 F312

24469 HURD, L. M. A new method of flock management. *[N. Y.] Orange Co. Farm Bur. News* 21(3): 2. Mar. 1944. 275.293 N. Y., Orange Co.

24470 LODGE, CYRIL. Hatching ducks. *Poultry Farmer [London]* 110(2856): 6. Mar. 17, 1944. 47.8 F312

24471 MCILRAITH, J. J. Baby chick management. *Farmer's Mag.* 41(4): 62-63. Apr. 1944. 7 C165

24472 MACILRAITH, J. J. How to brood those chicks; purchase healthy chicks, follow this routine for successful brooding and save losses. *Canad. Poultry Rev.* 68(4): 3-4, 24-25. Apr. 1944. 47.8 C16

24473 MANN, M. G., JR. State poultry champion; factors contributing to success of 4-H club member. *Carolina Co-op.*, Apr. 1944, p. 5. 72.8 N81

24474 MEHRHOF, N. R. Efficiency in raising pullets, a program to save feed and increase quality. *Fla. Grower* 52(4): 15-16. Apr. 1944. 80 F6622

24475 MILES, G. A. Don't sell those layers. *Peninsula Broiler Jour.* 3(24): 1, 2-3. Apr. 17, 1944. 47.8 P37

Success through care and management.

24476 MITCHELL, ELIZABETH. Keep scratching sheds dry. *Poultry Farmer [London]* 110(2856): 6, 7. Mar. 17, 1944. 47.8 F312

24477 MOORE, A. C. Do your own post-war planning in Great Britain. *Poultry [London]* 94: 148. Mar. 7, 1944. 47.8 P869

24478 MOORE, A. C. Give pedigree hens more space. *Poultry [London]* 94: 180. Mar. 21, 1944. 47.8 P869

24479 MOORE, A. C. One way of....keeping foxes at bay. *Poultry [London]* 94: 164. Mar. 14, 1944. 47.8 P869

Includes description of one-way shutter for the poultry house.

24480 MOORE, A. C. Rearing chickens intensively. *Poultry [London]* 94: 132. Feb. 29, 1944. 47.8 P869

24481 NICHOLSON, ARNOLD. Week-end rancher in California. *Sat. Evening Post* 216(41): 19, 91. Apr. 8, 1944. 110 S

Includes account of raising poultry as a side line.

24482 OULD, E. K. Why poultry shows? *South-east. Cornish News* 5(3): 11-12. Mar. 1944. 47.8 So87

24483 ROBERTSON, E. I. Brooding suggestions. *[N. Y.] Nassau Co. Farm and Home Bur. News* 30(3): 14. Mar. 1944. 275.293 N. Y., Nassau Co.

24484 ROBERTSON, E. I. Give the chicks a good start. *[N. Y.] Rensselaer Co. Farm Bur. News* 20(12): 8. Mar. 1944. 275.293 N. Y., Rensselaer Co.

24485 ROSCOE, CHARLES. Don't hatch laying ducks too early. *Poultry [London]* 94: 148. Mar. 7, 1944. 47.8 P869

24486 ROSCOE, CHARLES. Hatching ducklings at home. *Poultry [London]* 94: 184. Mar. 21, 1944. 47.8 P869

24487 RUBIO, D. M. La explotación de aves en baterías. (Cont.) *Mundo Avic.* 6(64): 18-19, 21-22, 24-25. June 1943. 47.8 M92

24488 SARASQUETA, P. A. DE. Consejos a los avicultores. *Campo Buenos Aires*, 28(328): 34-35. 49. Feb. 1944. 9 C15

24489 SCHROEDER, CARLOS. Cómo separar a las pollas en edad temprana. *Chacra* 14(159): 7-9. Jan. 1944. 9 C54

Poultry sexing.

24490 SMALL, M. C. Turkeys are one of many crops on Annear Farm: fit nicely into well balanced farming program. *Turkey World* 19(4): 48. Apr. 1944. 47.38 T84

24491 SPONG, A. N. Hens need a quiet life. *Poultry [London]* 94: 152. Mar. 7, 1944. 47.8 P869

24492 TOMHAVE, A. E. Advises against broiler-men shifting to turkey raising. *Peninsula Broiler Jour.* 3(24): 1, 4. Apr. 17, 1944. 47.8 P37

24493 WEAVER, L. E. Chick grades -- Federal and private. *[N. Y.] Greene Co. Farm Bureau News* 27(7): 6. Mar. 1944. 275.293 N. Y., Greene Co.

24494 WYLIE, W. J. Poultry pioneers in island hopping. *Washcoegg* 21(12): 17-18. Apr. 1944. 47.8 W27

Poultry industry on Shaw Island, Puget Sound.

## RABBITS

### Breeds and Breeding

24495 BLYTH, JAMES. The Dutch rabbit and its use. *Small Stock Mag.* 28(4): 46. Apr. 1944. 48.8 P442

24496 BURKHISER, D. M. A place for all breeds of rabbits. *Small Stock Mag.* 28(4): 28, 32. Apr. 1944. 48.8 P442

24497 CIGANEK, M. J. Is it advisable and profitable to raise Blue Checkered Giants? *Small Stock Mag.* 28(4): 7. Apr. 1944. 48.8 P442

24498 KENNEDY, LEONARD. Your specialty club. *American Chinchilla Rabbit Breeders Association*. *Small Stock Mag.* 28(4): 8. Apr. 1944. 48.8 P442

24499 MASON, A. H. Pedigrees of rabbits, good or bad. *Small Stock Mag.* 28(4): 5, 8. Apr. 1944. 48.8 P442

24500 MOUNT, C. A. Favors the American Rabbit & Cavy Breeders Association registration system. *Small Stock Mag.* 28(4): 20-21. Apr. 1944. 48.8 P442

24501 \*PALKIN, G. A. 48 krol'chat ot kazhdoi krolikomatki v god 48 rabbits from each doe in a year. *Sel'so (Ser. Kolkhoz. Zhivotn.)*, v. 12, No. 187/188, 4 p. Oct. 1943. 49 S44

Breeding and feeding of rabbits.

24502 PATWORTH, D. Rabbit breeding time is here. *Poultry [London]* 94: 169. Mar. 14, 1944. 47.8 P869

24503 PRICE, J. A. Keeping proper pedigrees of fine rabbits. *Small Stock Mag.* 28(4): 2, 47. Apr. 1944. 48.8 P442

24504 STOUTT, R. P. Rex rabbit a mutation. *Small Stock Mag.* 28(4): 47. Apr. 1944. 48.8 P442



24505 WILCOX, MRS. BESSIE. Angora breeding for profit and pleasure. (Concl.) Fur Trade Jour. Canad. 21(5): 34; (6): 30-31; (7): 27-28. Jan. - Mar. 1944. 410 P965

24506 WILSON, W. K. Building the stud. Poultry Farmer [London] 110(2856): 8. Mar. 17, 1944. 47.8 F312

#### Feeds and Feeding

24507 SNOW, C. F. Crops for the rabbits. Mod. Poultry Keeping 50: 209. Mar. 22, 1944. 47.8 Eg3

24508 WILSON, W. K. Drinking water requirements. Calif. Rabbits Mag. 7(9): 4, 7. Apr. 1944. 40.28 Sa5

Author's name given as King Wilson.

#### Veterinary Medicine

24509 \*BREIREM, KNUT. Prøveförling med ricinus-holdig linfrømel til kaniner. Norsk Landbruk 9: 255-256. Sept. 17, 1943. 11 N8122  
Toxicity to rabbits of linseed meal containing castor-beans (ricin poisoning).

24510 BUCKSWOOD, G. Causes of digestive troubles. All-Pets Mag. 15(11): 58. Apr. 1944. 44.8 A15

Reprinted from a "recent issue" of Fur and Feather, Rabbits and Rabbit Keeping.

24511 MARKHAM, ROY, SMITH, K. M., and LEA, DOUGLAS. Note on the size of the Shope rabbit papilloma virus. Parasitology 35: 178-179. Mar. 1944. 448.8 P21

#### Miscellaneous

24512 ALDOUS, S. E., and SWANSON, GUSTAV. Rabbit research at the University of Minnesota. Small Stock Mag. 28(4): 12-13. Apr. 1944. 48.8 P442

24513 BERNIER, P. E. L'élevage du lapin. Quebec. Min. Agr. Bul. 158, 48 p. Quebec? 1944. 7 Q3Bu

Breeding, feeding, care and management, and preparation for market.

24514 BJORKEN, AL. Awarding the blue ribbon. Small Stock Mag. 28(4): 9, 31. Apr. 1944. 48.8 P442

24515 FORBUSH, KEITH. Boys and girls only. Small Stock Mag. 28(4): 18. Apr. 1944. 48.8 P442  
Advice on home raising of rabbits.

24516 GARRETSON, O. K. Registration of rabbits for meat producers. All-Pets Mag. 15(11): 59-60. Apr. 1944. 48.8 A15

24517 GRIFFIN, L. S. J. What a judge of rabbits looks for. Small Stock Mag. 28(4): 25. Apr. 1944. 48.8 P442

24518 HENSCHERL, L. A. Starting a rabbit industry on a small basis. Small Stock Mag. 28(4): 8. Apr. 1944. 48.8 P442

24519 LUKS, P. T. Why must breeders exaggerate rabbits' weights? Small Stock Mag. 28(4): 26. Apr. 1944. 48.8 P442

24520 MARKER, C. P. At the cross-roads. Small Stock Mag. 28(4): 28. Apr. 1944. 48.8 P442  
Advice to prospective rabbit raisers.

24521 MEEK, M. W. How many rabbits needed for home raising? All-Pets Mag. 15(11): 59. Apr. 1944. 48.8 A15

24522 MILLIKEN, O. Shows---care and judging. Small Stock Mag. 28(4): 17. Apr. 1944. 48.8 P442

24523 NAVARRE, LOUIE. Is rabbit raising a gamble? Small Stock Mag. 28(4): 16. Apr. 1944. 48.8 P442

Advice on establishing a sound industry.

24524 PATWORTH, D. Take care of the doe. Poultry [London] 94: 185. Mar. 21, 1944. 47.8 P869

24525 POLK, J. E. Some good advice needed in the rabbit industry. Small Stock Mag. 28(4): 3, 47. Apr. 1944. 48.8 P442

24526 RAIMO, H. F. Criação de coelhos para o consumo doméstico. Rev. dos Criadores 14(15): 67-68. Nov. 1943. 43.8 R32

24527 SAVOY, A. E. The saga of a boy and a rabbit. Small Stock Mag. 28(4): 27, 31. Apr. 1944. 48.8 P442

Home raising of rabbits.

24528 WEILAND-FORTH, MÁXIMO. Plan de explotación de un criadero industrial de conejos de lana. Asoc. Rural del Uruguay. Rev. 70(11/12): 28-33. Nov./Dec. 1943. 9.9 As5  
In Uruguay.

#### SHEEP AND GOATS

##### Breeds and Breeding

24529 BRODIE, P. H. Development a necessary evil...some skin-fold is associated with the most massively-woolled "top stud" Merinos. Merino Breeders' Jour. 6(1): 11, 13. Jan. 1944. 45.8 So8

24530 DE LA HARPE, NORMAN. Origin of Merino skin-folds. Merino Breeders' Jour. 6(1): 19-20. Jan. 1944. 45.8 So8

24531 \*FONT TOLEDO, SALVADOR. Pielles de Astrakan y corderos Karakul. Spain. Min. de Agr., Secc. de Pub., Prensa y Propag. Hojas Divulgadoras, v. 35, No. 42, 10 p. Madrid, 1943. 15 H68

24532 GODDARD, C. A. Quality in wool, need for early improvement...tendency among Merino sheep breeders...to subordinate wool quality to carcass formation. So. Austral. Dept. Agr. Jour. 47: 297-298. Feb. 1944. 23 So84

24533 \*GOLIARKIN, F. E., SIDORENKO, E. A., and STUBOREV, S. M. Produktivnost' metisnykh ovets v kolkhozakh Khakassii [Productivity of crossbred sheep on the collective farms of Khakass region]. Sel'so (Ser. Kolkhoz. Zhivota.), v. 12, No. 195/196, 4 p. Oct. 1943. 49 Se4

24534 HENDERSON, J. R. Dorsets - - - as I see them. Sheepman 14: 366, 382. Apr. 1944. 45.8 Sh32

24535 JORDAAN, T. B. Maintaining the ideal type...the essential characteristics of a "stud" Merino. Merino Breeders' Jour. 6(1): 8-9. Jan. 1944. 45.8 So8

24536 MCCABE, G. E. Versus reversion, why we have to have sheep in the stud that would not be tolerated in the flock. Merino Breeders' Jour. 6(1): 15, 17. Jan. 1944. 45.8 So8

24537 SANDBURG, MRS. CARL. Anglo-Nubians a "made" British breed. Goat World 29(4): 3-5. Apr. 1944. 40.18 G53

24538 \*SMIRNOV, L. F. Ot 46 ovtsematok 120 delovykh iagniat [From 46 ewes 120 lambs]. Sel'so (Ser. Kolkhoz. Zhivota.), v. 12, No. 184, 2 p. Oct. 1943. 49 Se4

Describes breeding and the feeding of lambs in the kolkhoz, "8 marta", of the Iaroslavl region.

24539 TERRILL, C. E. More profit in open-face ewes. Sheep and Goat Raiser 24(7): 16-17. Apr. 1944. 45.8 Sh3

##### Feeds and Feeding

24540 GORRIE, C. J. R. Feeding wheat to sheep is problem of the moment. Stock and Land 34(6): 3. Feb. 9, 1944. 49 St63

24541 HAWBECKER, A. C. The giant kangaroo rat and sheep forage. Jour. Wildlife Managt. 8: 161-165. Apr. 1944. 410 J827

Red-stemmed filaree and red brome grass are improved as sheep feed by the rat's cultivating action.



24542 LITTON, G. W. Some facts about feeding [sheep]. Sheepman 14: 359, 375. Apr. 1944. 45.8 Sh32

24543 \*SAELAND, JON. Sauen til fjells. Norsk Landbruk 9: 240-241. Sept. 3, 1943. 11 N8122  
Advantages of sending sheep to the mountain pastures in Norway

24544 UNDERWOOD, E. J., SHIER, F. L., and CARISS, H. G. Studies in sheep husbandry in Western Australia. IV. The influence of a high level of prenatal feeding in lamb production. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 288-297. Dec. 1943. 23 W52J

#### Veterinary Medicine

24545 BAKER, E. T. Mildew poisoning in sheep. Vet. Med. 38: 487-488. Dec. 1943. 41.8 M69  
Forage poisoning from mildewed pea vines.

24546 \*BEKMAN, MUZAFFER. Koyunçeği (variola ovium). Turkey. Ziraat Vekâleti. Negriyat. U. Sayı 554, 218 p. Ankara, 1943. Ref., p. 209-218. 25 T842

24547 BELSCHNER, H. G. Worms of sheep. (Cont.) Agr. Gaz. N. S. Wales 55: 75-78. Feb. 1, 1944. 23 N472

24548 DURANT, A. J., and CLARK, ROBERT. Paralysis of the esophagus in the milk goat. Goat World 29(4): 6-8. Apr. 1944. 40.18 G53

24549 FURMAN, J. P. Effects of environment upon the free-living stages of *Ostertagia circumcincta* (Stadelmann) Trichostrongylidae: II. Field experiments. Amer. Jour. Vet. Res. 5: 147-153. Apr. 1944. 41.8 Am3A  
Survival in pastures.

24550 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Stomach worms in sheep (parasitic gastritis). Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet 275, 3 p. London, 1944. 10 G79La

24551 \*MENON, C. T. M. A successful caesarian section on a she goat. Indian Vet. Jour. 20: 197-198. Jan. 1944. 41.8 In2

24552 MILLER, R. F. Felt balls in sheep. Calif. Wool Grower 20(7): 4. Feb. 15, 1944. 45.8 C12

24553 PREWETT, L. P. "Scabby mouth" in sheep and lambs (contagious pustular dermatitis). Victoria Dept. Agr. Jour. 42: 19-20. Jan. 1944. 23 V66J

24554 SHORB, D. A. Survival on grass plots of eggs and larvae of the stomach worm, *Haemonchus contortus*. Jour. Agr. Res. 68: 317-324. Apr. 15, 1944. Ref. 1 Ag84J

24555 THORP, W. T. S. Phenothiazine-salt mix prevents parasite infestations of sheep. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 2), p. 5, 9. Mar. 1944. 100 P381

24556 TOOP, C. R. Mycotic dermatitis ("lumpy wool") and fleece rot of sheep. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 319-322. Dec. 1943. 23 W52J

Lumpy wool caused by *Actinomyces dermatonomus*.

24557 \*VENKATARAMAN, K. S. Freak of nature. Indian Vet. Jour. 20: 198-199. Jan. 1944. 41.8 In2

Malformed lamb.

24558 VISCONTINI, V. Traitement des strongyloses ovines. Algeria. Dir. de l'Écon. Algérienne. Serv. de l'Élevage. Doc. et Renseign. Agr. Bul. 90, 23 p. Alger, 1943. 24 AL34

24559 \*VOGT, L. Pseudotuberkulöse herde im Gehirn von schafen. Berlin u. München. Tierärztl. Wchnschr., No. 25/26, p. 203-205. June 25, 1943. 41.8 B45

24560 WATSON, IVAN. Lambing paralysis of ewes. N. Mex. Agr. Col. Ext. News 24(3): 3. Mar. 1944. 275.29 N463Ex

24561 \*ZAVADOVSKIĬ, M. Gormonal'nyi metod stimulatsii mnogoplodii ovets [Hormonal method of stimulating multifetation in sheep]. Sovkhoznoe Proizvodstvo 3(12): 25-27. Dec. 1943. 20 So85

#### Miscellaneous

24562 BEDELL, G. H. Judging sheep, a story in pictures. Country Book Mag. 3(4): 93-99. Spring 1944. 6 C836

24563 CAVAGNARO, O. L. Magallanes, vellocino dorado sobre la nieve. Patagonia 1(1): 25, 27. June 1943. 45.8 P27

Includes brief historical account of the sheep.

24564 COLE, C. L. A formula for figuring average yearly weights of breeding ewes from one yearly weighing. Mich. Agr. Expt. Sta. Quart. Bul. 26: 182-183. Feb. 1944. 100 M58S

24565 DURANT, A. J. The American Milk Goat Record Association reorganized in Missouri. Goat World 29(4): 1-2. Apr. 1944. 40.18 G53

24566 FRITCH, IRVIN. Advance registry testing [of goats] in Los Angeles County. Goat World 29(4): 9, 13. Apr. 1944. 40.18 G53

24567 HARRISON, J. E. Flock composition. Pt. II. Total flock numbers [of sheep and factors that influence them]. Past. Rev. 54: 79-80. Feb. 16, 1944. 23 Au75

24568 ORMISTON, E. E., and GAINES, W. L. Live weight and milk-energy yield in British goats. Jour. Dairy Sci. 27: 243-247. Apr. 1944. 44.8 J822

24569 SHEEP [in Great Britain]. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 15-23. Apr. 1944. 10 G79J

Summaries of four radio discussions: I. The arable flock, by W. S. Mansfield, J. C. Mann, and T. K. Jeans; II. Sheep on grassland and leys, by W. S. Mansfield, W. A. Stewart, and Will Hogg; III. Sheep on the hill, by W. S. Mansfield, R. G. White, and M. G. Macdiarmid; IV. Maintaining health in the flock, by W. S. Mansfield, W. Lyle Stewart, and J. F. H. Thomas.

24570 THOMASSET, LUIS. La producción de cordero tierno, en el Uruguay. Campo y Arados 7(78): 6. Aug. 1943. 9.9 C152

#### SWINE

##### Breeds and Breeding

24571 BUDD, MRS. WM. Florida's first swine association [Florida State Duroc Breeders' Association] is formed. Duroc News 18(4): 3. Apr. 1944. 46.8 N212

24572 CANO, A. E. Razas de porcinos: Berkshire. Campo [Buenos Aires] 28(327): 32. Jan. 1944. 9 C15

24573 FISHWICK, V. C. Rearing and breeding capacity of pigs [as related to feeding and nutrition]. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 41-43. Apr. 1944. 10 G79J

24574 FRANCO, J. DE M. Raças Canastra e Canastrão. Chacaras e Quintais 69: 96-97. Jan. 15, 1944. 9.2 C34

24575 \*GREBEN', I. A. Vosstanovlenie tsennoi porody svinei [Restoration of valuable swine breeds]. Sel'so (Ser. Kolkhoz. Zhivota.), v. 12, No. 222/223, 2 p. Dec. 1943. 49 Se4

Breeds of southern Ukraine.

24576 HALL, G. F. Profit in Hereford hogs lies in store for the permanent breeders. Hereford Swine Jour. 4(5): 10. Apr. 1944. 46.8 H42



24577 \*SIMON, M. Novaja poroda svinей dlia severnykh rayonov Sibiri [New swine breed for the northern regions of Siberia]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 191/192, 4 p. Oct. 1943. 49 Se4

A cross between the native swine and the "large White English breed," Large Yorkshire.

#### Feeds and Feeding

24578 AUBEL, C. E. Substitute value of grains for profitable hog feeding. Feedstuffs 16(15): 26, 28-30. Apr. 8, 1944. 286.81 F322

24579 BAUERT, C. I. La alimentación del ganado porcino; consideraciones sobre la utilización de los residuos de lechería. Res 12: 15539-15543. Feb. 5, 1944. 286.85 R31

Feeding skim milk, buttermilk, and whey.

24580 CHIEFFI, ARMANDO. Algumas normas para a criação racional de suínos; cuidados para com a alimentação. Rev. dos Criadores 14(15): 42-43. Nov. 1943. 43.8 R32

24581 COFFEY, J. S. Pastures and pig welfare. Chester White Jour. 34(4): 4. Apr. 1944. 46.8 W582

24582 DAVISON, HOWARD. Easier ways to do a better job; hog raisers offer their farm-tested ideas on feeding, care and management. Successful Farming 42(4): 25, 66-67. Apr. 1944. 6 Su12

24583 ELLIS, N. R., and MADSEN, L. L. The thiamine requirement of pigs as related to the fat content of the diet. Jour. Nutr. 27: 253-262. Mar. 10, 1944. 389.8 J82

24584 FREEMAN, V. A., and BROWN, G. A. Pig Manamar for growing and fattening pigs. Mich. Agr. Expt. Sta. Quart. Bul. 26: 177. Feb. 1944. 100 M58S

24585 GENGE, L. Topping off ailments in the piggery [caused by incorrect feeding]. Farmer and Settler 37(52): 9. Jan. 28, 1944. 23 F226

24586 HAYNE, R. A. No es posible criar porcinos, si no les damos el tipo adecuado de alimentación. (Cont.) Chacra 14(160): 51. Feb. 1944. 9 C34

24587 \*HUSBY, M. Föringen på svinehuset. Norsk Landbruk 9: 73-75. Mar. 19, 1943. 11 N8122

Feeding of swine, especially the sow.

24588 \*KOZLOVA, M. Luchshii korm dlia pod-sosnykh svinomatok [Best feed for sows]. Kolkhoz. Proizvod., No. 11/12, p. 26. Nov./Dec. 1943. 281.8 K83

Includes method for preparation of clover flour.

24589 \*MAELAND, OLAV. A. I. V. - för av potetris. Norsk Landbruk 9: 239-240. Sept. 3, 1943. 11 N8122

A kind of silage for swine made from potato tops.

24590 PEIRSON, H. M. Cheese whey as a pig feed. New Zeal. Jour. Agr. 68: 125, 127. Feb. 15, 1944. 23 N48J

24591 QUALFE, E. L. The brood sow and litter; feeding and management. Hog Breeder 14(4): 4-6. Apr. 1944. 46.8 H672

24592 \*SERGOVANTSEV, V. P. Vyreshchivanie svinей na ratsionakh s pribavkoj sennoi muki [Raising swine on rations supplemented with hay flour]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 201/202, 3 p. Nov. 1943. 49 Se4

24593 SIMONS, A. H. Ladino clover, makes remarkable showing as hog pasture. Berkshire News 9(6): 22. Apr. 1944. 46.8 B454

24594 ZAVORAL, H. G. Feeding and care of the brood sow. Chester White Jour. 34(4): 5. Apr. 1944. 46.8 W582

#### Veterinary Medicine

24595 ANDREWS, J. S., and CONNELLY, J. W. The value of phenothiazine for the removal of nodular worms from pregnant and nursing sows. Helminthol. Soc. Wash. Proc. 11: 13-15. Jan. 1944. 436.9 H36

24596 GWATKIN, RONALD, and MOYNIHAN, I. W. The effect of diet, chilling and gastro-intestinal irritation on susceptibility to infection with *S. suispestifer*. Canad. Jour. Compar. Med. 8: 66-79. Mar. 1944. 41.8 C162

24597 KATES, K. C. Some observations on experimental infections of pigs with the thorn-headed worm, *Macracanthorhynchus hirudinaceus*. Amer. Jour. Vet. Res. 5: 166-172. Apr. 1944. 41.8 Am3A

24598 \*LENTZ, Der plötzliche herztod der schweine. Naturgemässe haltung und fütterung als vorbeuge. Landesbauernschaft Württemb. Wchnbl. 110: 251. Apr. 10, 1943. 18 W96

24599 PHILLIPS, C. E. Pathogenic organisms complicating haemorrhagic septicaemia in swine. Canad. Jour. Compar. Med. 8: 35-37. Feb. 1944. 41.8 C162

24600 PINKERTON, H. E. Salmonella choleraesuis or suispestifer septicemia. Fort Dodge Bio-Chem. Rev. 15(1): 3-5, 20-22. Spring 1944. 41.8 F772

Comparison with hog cholera.

24601 \*SANDSTEDT, H. Om A-avitaminoser hos svin. (On A-avitaminosis in swine). Skand. Vet. Tidskr. 33: 342-356. June 1943. 41.8 Sk1

English summary.

24602 SPINDLER, L. A. Further observations on the pathogenicity of *Strongyloides ransomi* to swine. Helminthol. Soc. Wash. Proc. 11: 12-13. Jan. 1944. 436.9 H36

24603 SPINDLER, L. A., ZIMMERMAN, H. E., JR., and HILL, C. H. Preliminary observations of the control of worm parasites in swine by the use of skim milk. Helminthol. Soc. Wash. Proc. 11: 9-12. Jan. 1944. 436.9 H36

24604 TREMONTIN, G. H. Molestia dos porcos. Vida Rural e Econ. 5(10/11): 51-55. Oct./Nov. 1943. 9.2 V662

24605 TRIM, A. R. Experiments on the mode of action of hexyl resorcinol as an anthelmintic for *Ascaris lumbricoides* var. suis. Parasitology 35: 209-219. Mar. 1944. 448.8 P21

#### Miscellaneous

24606 GOSSELIN, A. L'industrie porcine, faiblesse du Québec. Bul. des Agr. 40(4): 15-17. Apr. 1944. 7 B872

24607 HALFORD, R. W. Extra care for the pig crop needed this year. Hereford Swine Jour. 4(5): 15. Apr. 1944. 46.8 H42

24608 HUGHES, H., and FELLMILLER, L. W. Registro y sistema de identificación de cerdos. Union Agr. del Sur 1(2/3): 41. Mar. 1943. 9.3 Un3

24609 FERRIN, W. B. Preventing anemia, preventatives are the weapons with which breeders should fight hog diseases. Duroc News 18(4): 5. Apr. 1944. 46.8 N212

Stresses care and management.

#### ENTOMOLOGY

##### GENERAL

24610 \*BECKER, ERICH. Über eigenschaften, verbreitung und die genetischentwicklungsphysiologische bedeutung der pigmente der ommatin- und ommingruppe (ommochrome) bei den arthropoden. Ztschr. f. Induktive Abstam. u. Vererbungslehre 80: 157-204. 1942. Ref. 442.8 Z34



24611 ESSIG, E. O. The golden age of entomology. Jour. Econ. Ent. 37: 160-162. Feb. 1944. 421 J822

Stresses needs of the future for thoroughly trained entomologists, increased research work, and more opportunity for publication.

24612 FRAENKEL, G., and BLEWETT, M. The sterol requirements of several insects. Biochem. Jour. 37: 692-695. 1943. 382 B52

24613 FRAENKEL, G., and BLEWETT, M. The vitamin B-complex requirements of several insects. Biochem. Jour. 37: 686-692. 1943. 382 B52

24614 HILTON, W. A. [Sense organs, XV-XVIII. Jour. Ent. and Zool. 36: 10-23. Mar. 1944. Ref., p. 14-23. 421 P77

Contents: XV. Humidity sense. XVI. Thermal receptors. XVII. Mechanical stimuli. XVIII. Pain and visceral. General discussion of sense organs in animals, including insects.

24615 KNIGHT, H. H. Log rolling, a pleasurable and profitable pastime. Iowa Conserv. 3: 25-26. Apr. 15, 1944. 279 I092

Collecting insects found under logs.

24616 \*LUNAK, ROBERT. Vom Bug zum Don. I. Mit entomologischen augen durch Mittelrussland. (To be cont.) Wien. Ent. Gesell. Ztschr. 28: 197-199. July 15, 1943. 421 Os7

24617 BOSS, E. S. Arthropod collecting in the burrows of a Texas pocket-gopher. Ent. News 55: 57-61. Mar. 1944. 421 M88

24618 SCOALES, J. M., P. Coleção de lagartas e larvas. Naturalia 3: 200, lvii. July/Dec. 1939. 475 N21

24619 TREHAN, K. N. Some finer aspects of insect life. Poona Agr. Col. Mag. 35(1/2): 8-16. Dec. 1943. 22 P79

Habits and behavior.

24620 WEISS, H. B., MCCOY, E. E., JR., and BOYD, W. M. Group motor responses of adult and larval forms of insects to different wave-lengths of light. N. Y. Ent. Soc. Jour. 52: 27-43. Mar. 1944. 420 N48J

#### GENERAL - ECONOMIC

24621 ADAMS, WALTER. DDT. A deadly new bug killer as potent against insects as the sulfas and penicillin are against disease. Better Homes & Gardens 22(9): 19, 100-103. May 1944. 80 F9424

24622 ANNAND, P. N., and others. Tests conducted by the Bureau of Entomology and Plant Quarantine to appraise the usefulness of DDT as an insecticide. Jour. Econ. Ent. 37: 125-159. Feb. 1944. 421 J822

Contents: Introductory discussion of DDT, by P. N. Annand, p. 125-126; DDT for the control of human lice [Pediculus humanus corporis, P. humanus humanus, Phthirus pubis], by R. C. Bushland, L. C. McAlister, Jr., G. W. Eddy, and H. A. Jones, p. 126-127; DDT as a residual spray for the control of bedbugs [Cimex lectularius, C. hemipterus], by A. H. Madden, A. W. Lindquist, and E. F. Knipling, p. 127-128; Mortality of bedbugs [C. lectularius, C. hemipterus] on rabbits given oral dosages of DDT and pyrethrum, by A. W. Lindquist, E. F. Knipling, H. A. Jones, and A. H. Madden, p. 128; Effectiveness of DDT in the control of ticks [Amblyomma americanum, Ixodes ricinus scapularis] on vegetation, by C. N. Smith and H. K. Gouck, p. 128-130; DDT in the control of ticks [Rhipicephalus sanguineus] on dogs, by H. K. Gouck and C. N. Smith, p. 130; DDT, sulfur, and other insecticides for the control of chiggers [Eutrombicula alfreddugesi, Acariscus masoni], by C. N. Smith and H. K. Gouck, p. 131-132; DDT for control of Gulf Coast and spinose ear ticks [Amblyomma maculatum, Ornithodoros megnini], by C. S. Rude and C. L. Smith, p. 132; The effectiveness of DDT as a residual spray against houseflies [Musca domestica], by A. W. Lindquist,

A. H. Madden, H. G. Wilson, and H. A. Jones, p. 132-134; Residual effect of DDT against houseflies [Musca domestica], by E. R. Van Leeuwen, p. 134; DDT as a barn spray in stablefly [Stomoxys calcitrans], control, by E. B. Blakeslee, p. 134-135; The use of DDT in the treatment of manure for fly [M. domestica, S. calcitrans], control, by S. W. Simmons and Mike Wright, p. 135; Relative effectiveness of DDT and rotenone against houseflies [M. domestica], by W. T. Hunt, p. 136; DDT as a flyspray [for Siphona irritans], on range cattle, by R. W. Wells, p. 136-137; Laboratory tests on houseflies [M. domestica], with DDT in contact sprays, by W. A. Gersdorff and E. R. McGovran, p. 137; DDT for the control of goat lice [Trichodectes spp., Linognathus stenopsis], by O. G. Babcock, p. 138; DDT as a treatment for fleas [Ctenocephalides spp., Echidnophaga gallinacea] on dogs, by A. W. Lindquist, A. H. Madden, and E. F. Knipling, p. 138; DDT as a roach [Periplaneta americana, Blattella germanica] poison, by A. W. Morrill, Jr., p. 138; Efficacy of DDT as a roach [P. americana, B. germanica] poison, by J. B. Gahan and E. F. Knipling, p. 138-139; Toxicity of DDT to bedbugs [Cimex lectularius, C. hemipterus], cockroaches [B. germanica, P. americana], the Mexican bean beetle [Epilachna varivestis], and housefly [Musca domestica] larvae, by E. R. McGovran, H. H. Richardson, and P. G. Piquett, p. 139-140; Tests of DDT against ants [Formica sp.] and termites [Reticulitermes flavipes], by R. A. St. George, p. 140; The possible utility of DDT for insect-proofing paper bags, by R. T. Cotton, A. I. Balzer, and H. D. Young, p. 140; Laboratory tests of DDT against various insect pests, by M. C. Swingle and E. L. Mayer, p. 141-142; Tests with DDT on the more important cotton insects, by E. E. Ivy, p. 142; DDT and other insecticides for the Say stinkbug [Chlorochroa sayi] and the tarnished plant bug [Lygus oblineatus], by O. A. Hills, p. 142-143; Tests with DDT against pentatomids, mirids, the bollworm [Heliothis armigera], and the cotton aphid [Aphis gossypii], by W. A. Stevenson, Louis Sheets, and J. M. Breazeale, p. 143; DDT for control of thrips [Thrips tabaci, Frankliniella fusca] on cotton, by Ivan Shiller and C. A. Richmond, p. 143-144; Tests with DDT against a stinkbug [Chlorochroa ligata] and the cotton leafworm [Alabama argillacea], by J. C. Clark, p. 144; Tests with DDT against the boll weevil [Anthonomus grandis], by G. L. Smith, p. 144; Tests of DDT against the sugarcane borer [Diatraea saccharalis], the yellow sugarcane aphid [Sipha flava], and the Argentine ant [Iridomyrmex humilis], by J. W. Ingram, p. 144-145; DDT against the white-fringed beetle [Pantomorus leucoloma], and the velvetbean caterpillar [Anticarsia gemmatilis], by H. C. Young, p. 145-147; DDT to control the tobacco moth [Ephestia elutella] and the cigarette beetle [Lasioderma serricorne], by J. N. Tenhet, p. 147-148; Cage tests with DDT against certain insects affecting tobacco [Epitrix hirtipennis, Protoperce sexta, Nezara viridula], by F. S. Chamberlin, p. 148; Laboratory cage tests of DDT in grasshopper [Melanoplus spp.] baits, by E. J. Hinman, p. 148; Efficiency of DDT as a dust and in bait for grasshopper control, by C. C. Wilson, p. 148-149; DDT as a substitute for derris against the European corn borer [Pyrausta nubilalis], by D. D. Questel, p. 149-150; DDT against some pests of vegetable crops, by C. A. Weigel, p. 150; Tests with DDT against the pea weevil [Bruchus pisorum], by Ralph Schopp and T. A. Brindley, p. 150-151; Laboratory tests with DDT against the pea aphid [Macrosiphum pisi] and the Mexican bean beetle [Epilachna varivestis], by F. H. Harries, p. 151; Field experiments on DDT for control



- of the Mexican bean beetle [*E. varivestis*], by R. H. Nelson, p. 151; DDT for control of the tomato fruitworm [*Heliothis armigera*], by G. V. Johnson, p. 151-152; Field experiments with DDT against the potato leafhopper [*Empoasca fabae*] and the turnip aphid [*Rhopalosiphum pseudobrassicae*], by N. F. Howard, p. 152; Field tests with DDT and other insecticides against cabbage caterpillars [*Autographa brassicae*, *Pieris rapae*, *Plutella maculipennis*, *Heliothis armigera*, etc.], by C. E. Smith and P. K. Harrison, p. 152-153; Tests of DDT for cabbage insects and squash bugs [*Anasa* spp.], by P. K. Harrison, p. 153-154; DDT to control thrips [*Thrips tabaci*, *Taeniothrips simplex*], on gladiolus, by F. F. Smith, p. 154-155; DDT as a protective spray against the Japanese beetle [*Popillia japonica*], by W. E. Fleming and R. D. Chisholm, p. 155; Laboratory and field tests of DDT for control of the codling moth [*Carpocapsa pomonella*], by L. F. Steiner, C. H. Arnold, and S. A. Summerland, p. 156-157; Laboratory tests of DDT against the codling moth [*C. pomonella*], by E. H. Siegler, p. 157-158; Tests of DDT as a contact insecticide against females of the fall cankerworm [*Alsophila pometaria*], by J. V. Schaffner, Jr., p. 158; DDT and the Mexican fruitfly [*Anastrepha ludens*], by C. C. Plummer, p. 158; DDT as a stomach and contact poison for honeybees [*Apis mellifera*], by E. C. Holst, p. 159.
- 24623 ANNAND, P. N. The war and the future of entomology. Jour. Econ. Ent. 37: 1-9. Feb. 1944. 421 J822
- Discusses quarantines, extension work, training of entomologists, increase in public knowledge, international and post-war problems.
- 24624 BABCOCK, O. G., and BOUGHTON, I. B. Sulfur-feeding tests for the control of ectoparasites of animals. Amer. Vet. Med. Assoc. Jour. 103: 209-212. Oct. 1943. 41.8 Am3
- Reprinted in Sheep and Goat Raiser 24(4): 20-21. Jan. 1944. 45.8 Sh3
- Daily dosage of sulfur to goats and cattle without effect on population of lice and *Ornithodoros megnini*.
- 24625 BALCH, R. E., and HAMBOLDT, L. S. Report on forest insects in New Brunswick, 1943. New Brunswick Dept. Lands and Mines. Ann. Rpt. (1943) 107: 107-109. 1944. 253.3 C88
- 24626 BLAIR, LAURENCE, and BLAIR, EDNA. Spearheads of the plant pest army. Home Gard. 3(4): 62-63. Apr. 1944. 80 H756
- 24627 BORDEN, A. D. Xanthone in the control of codling moth and mites on apples and pears in California. Jour. Econ. Ent. 37: 36-42. Feb. 1944. 421 J822
- Carpocapsa pomonella*, *Paratetranychus pilosus*, *Tetranychus bimaculatus*.
- 24628 BRAITHWAITE, W. E. Standardization of insecticide packages. Soap and Sanit. Chem. 19(8): 97. 99. Aug. 1943. 307.8 S612
- 24629 BRANDHORST, C. T. A study of the relationship existing between certain insects and some native western Kansas forbs and weedy plants. Kans. Acad. Sci. Trans. 46: 164-176. 1943. 500 K13T
- 24630 CATES, J. S. DDT - a new insecticide. Country Gent. 114(5): 18, 63-69. May 1944. 6 C833
- 24631 CHANDLER, S. C. The insect outlook for 1944. Ill. State Hort. Soc. Ill. Hort. 33(2): 1. Apr. 1944. 80 I166
- 24632 CHAPMAN, G. H. Product protection by HCN gas. Amer. Miller 72(4): 62-63, 66. Apr. 1944. 298.8 Am32
- 24633 COTTON, R. T., BALZER, A. I., and FRANKENFELD, J. C. Control of mill insects. Amer. Miller 72(4): 41, 99-100, 110. Apr. 1944. 298.8 Am32
- 24634 DARKE, J. E. Tomato pests and diseases; quislings and fifth columnists of the glasshouse. Fruit Grower, Fruiterer, Florist & Market Gard. 97(2521): 261-262. Apr. 6, 1944. 80 F941
- 24635 DAWSON, J. C. Shooting mills with gas methyl bromide, in 12 hours. Amer. Miller 72(4): 42-43. Apr. 1944. 298.8 Am32
- 24636 DECKER, S. Insecticidas vegetais (Pyrethrum, Derris, Mundulia, Lonchocarpus, Tephrosia e outros). São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 675-690. 9.2 Sa63
- 24637 DELONG, D. M. Insect and rodent control in dairy plants. (Abs.) Dairy World [Chicago] 22(11): 22-23. Apr. 1944. 44.8 D1423
- 24638 DI FONZO, MARIO. Parásitos que debe conocer el agricultor algodonero y conveniencia de intensificar su control. Campo [Buenos Aires] 28(328): 26-27, 65. Feb. 1944. 9 C15
- 24639 DODDS, R. B. Questions and answers on mechanical insect control. Amer. Miller 72(4): 44-45. Apr. 1944. 298.8 Am32
- The "Entoleter" and its use.
- 24640 DRAKE, C. J., and GUNDERSON, HAROLD. Controlling garden and vegetable insects in Iowa. Iowa Dept. Agr. Bul. 100, 52 p. Des Moines, 1942. 2 I69B
- 24641 DURAN, J. J. Las aspersiones en el control de las plagas y enfermedades de las plantas. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. (Ser. 2) 58, 8 p. n. d. 102 C492
- 24642 EBELING, WALTER, and others. Addition of extractives of rotenone-bearing plants to spray oils. Hilgardia 15: 675-701. Feb. 1944. Ref. 100 C12H
- F. A. Gunther, J. P. LaDue, and J. J. Ortega, joint authors.
- 24643 ENGLISH, L. L., and TURNIPSEED, G. F. The fumigation of camellia and azalea cuttings with methyl bromide. Jour. Econ. Ent. 37: 81-84. Feb. 1944. 421 J822
- For control of *Paratetranychus ilicis*, *Heliothrips haemorrhoidalis*, *Lepidosaphes camelliae*, *Fiorinia theae*.
- 24644 ENGLISH, L. L. A slide rule for estimating schedules for fumigating with methyl bromide. (Sci. note.) Jour. Econ. Ent. 37: 114-115. Feb. 1944. 421 J822
- 24645 EWING, J. T. Saboteurs of grain crops. Country Guide 63(4): 8, 69. Apr. 1944. 7 G76
- 24646 EXTERNAL parasites of cattle; importance of seasonal control. Jen-Sal Jour. 27(2): 16-17. Mar./Apr. 1944. 41.8 J45
- 24647 FAHEY, J. E. Changes in ratio of lead to arsenious oxide in lead arsenate residue on apples. Jour. Econ. Ent. 37: 33-36. Feb. 1944. 421 J822
- 24648 FIFE, L. C. Reduced dosages of calcium arsenate and cryolite for control of the boll weevil [*Anthonomus grandis*] and their effect on the cotton aphid [*Aphis gossypii*]. Jour. Econ. Ent. 37: 19-24. Feb. 1944. 421 J822
- 24649 FONSECA, J. P. DA. Defesa sanitária da agricultura. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 23-34. 1943. 31.9 Sa63
- Stomach insecticides and their application.
- 24650 GEIGER, W. B., KOBAYASHI, F. F., and HARRIS, MILTON. Chemically modified wools of enhanced stability. Amer. Dyestuff Rptr. 32: 99-104. Mar. 1, 1943. 306.8 Am3
- Treatment reduces damage by clothes moths and *Attacus piceus*.



- 24651 GEMIGNANI, E. V. Insectos argentinos utiles y dañinos. Chacra 14(160): 72-73, 76-77. Feb. 1944. 9 C34
- 24652 GLASS, E. H. Value and use of volatile nitriles for household fumigation. Jour. Econ. Ent. 37: 74-78. Feb. 1944. 421 J822
- 24653 GOODEN, E. L. Particle size of commercial calcium arsenates by air-permeation tests. (Sci. note) Jour. Econ. Ent. 37: 104-105. Feb. 1944. 421 J822
- 24654 GUI, H. L. Suggestions for vegetable insect control under wartime conditions. Ohio Veg. and Potato Growers Assoc. Proc. 28: 47-54. 1943. 75.9 Oh3
- 24655 GUNTHER, F. A., and LADUE, J. P. Determination of oil deposit on citrus leaves by the steam-distillation method. Jour. Econ. Ent. 37: 52-56. Feb. 1944. 421 J822
- 24656 HARRIS, W. V. Collected recipes for insecticides. East African Agr. Jour. 9: 163-165. Jan. 1944. 24 Ea74
- 24657 HILLS, O. A., and ROMNEY, V. E. Progress report on investigations of insects affecting sugar beets grown for seed in Arizona and New Mexico. Amer. Soc. Sugar Beet Technol. Proc. 3: 468-470. 1943. 66.9 Am35
- 24658 HOOTMAN, H. D. Getting the orchard sprayed. Mich. Agr. Expt. Sta. Quart. Bul. 26: 207-210. Feb. 1944. 100 M588
- 24659 HOUSER, J. S. The insect pest invasion in Ohio in 1944. Ohio Agr. Expt. Sta. Bimo. Bul. 29: 83-85. Mar./Apr. 1944. 100 Oh38
- 24660 HUDSON, E. H. The role of the reservoir host in tropical disease. Amer. Jour. Trop. Med. 24: 125-130. Mar. 1944. 448.8 Am33
- Insect parasites and insects as vectors discussed.
- 24661 HUNGERFORD, H. B. Relation of entomology to the war effort. Kans. Acad. Sci. Trans. 46: 303-308. 1943. 500 K13T
- 24662 HUTSON, RAY. The effect of war on spray materials for ornamentals. Mich. Forestry and Park Assoc. Ann. Mtg. 17: 6. 1943. 99.9 M586
- 24663 HUTSON, RAY. Insect control on raspberries. Hort. News 10: 37. Apr. 1944. 80 H7815
- 24664 HUTZEL, J. M., and HOWARD, N. F. Sources of variations in the effectiveness of derris dusts. Jour. Econ. Ent. 37: 65-69. Feb. 1944. 421 J822
- Epilachna varivestis was test insect.
- 24665 JOHNSON, C. C. Pest control with less labor. Amer. Miller 72(4): 54, 58. Apr. 1944. 298.8 Am32
- Methods of fumigating mill machinery and warehouses with chloropicrin.
- 24666 JOUBERT, C. J. Controlling insect pests. Wine and Spirit Die Wynboer, 12: 5847, 5849. Dec. 1943. 390.8 W724
- 24667 KAHN, M. C. Exotic parasitic diseases possibly significant in the postwar period. Merck Rpt. 53(1): 4-8; (2): 24-27. Jan., Apr. 1944. 396.8 M53M
- Discusses mosquitoes in relation to malaria, filariasis and yellow fever; Glossina and sleeping sickness; Triatoma and Chagas' disease.
- 24668 KELLY, E. G. Livestock trouble-makers can be controlled. Kans. Farmer 81(8): 6, 20, 22. Apr. 15, 1944. 6 K13
- 24669 \*KLETT, WOLFGANG. Alte und neue erfahrungen in der schädlingbekämpfung beim raps. Landesbauernschaft Württemb. Wchnbl. 110: 477. Aug. 21, 1943. 18 W96
- 24670 KNIGHT, PAUL. Insects associated with the Palay rubber vine in Haiti. Jour. Econ. Ent. 37: 100-102. Feb. 1944. J822
- 24671 LODGE, CYRIL. Pests and parasites. Poultry Farmer [London, 110(2857): 6-7. Mar. 24, 1944. 47.8 F312
- 24672 MCDANIEL, E. I. Control of insects infesting house plants. Hort. News 10: 33, 39-40. Apr. 1944. 80 H7815
- 24673 MARCUS, SAM. Insect infestation control. Assoc. Oper. Millers Bul., Apr. 1944, p. 1353. 298.9 As7
- 24674 MARTIN, JACKIE. A bomb for peacetime. Country Gent. 114(4): 16, 47. Apr. 1944. 6 C833
- Use of aerosol insecticides by the armed forces.
- 24675 MENDES, C. T. O expurgo das sementes. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42 a) 1941: 225-280. 9.2 Sa63
- 24676 \*MÜLLER, K. R. Trotz ernte an die schädlingbekämpfung denken! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 435. Aug. 14, 1943. 18 Sa9
- 24677 NEL, R. G., and MATHEW, G. E. A. The toxic effect of pyrethrum and aliphatic thiocyanate upon the eggs and larvae of Ephestia elutella Hbn. and the adults of Sitophilus oryzae [i.e. oryza; L. and Bruchus chinensis T. [i.e. Callosobruchus chinensis (L.)]; Union So. Africa. Dept. Agr. and Forestry. Ent. Mem. 2(4): 41-51. 1940. 423.92 So8
- 24678 OLIVEIRA, M. A. DE. Combate ás brocas dos frutos de oiticica. Pernambuco(State), Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 112-114. June 1942. 9.2 P423
- 24679 THE PARASITE catalogue of the Imperial Parasite Service. Canad. Ent. 76: 62-63. Mar. 1944. 421 C16
- 24680 PODTIAGUIN, B. Contribuciones al conocimiento de los insectos que atacan a las plantas cultivadas en el Paraguay. (Entrega 2). Paraguay. Min. de Agr., Com. e Indus. Rev. 2(10): 45-54. June 1943. 9.7 Ag8R
- 24681 PRICE, E. J. Packaging in relation to insect control. Amer. Miller 72(4): 42, 99. Apr. 1944. 298.8 Am32
- 24682 RAWLINS, W. A. Protecting potatoes from insect pests. Farm Res. [N. Y. State Sta.] 10(2): 12, 16. Apr. 1, 1944. 100 N48A
- Bordeaux mixture used against Empoasca fabae and Epitrix cucumeris.
- 24683 RICHTER, H. Jetzt schon an die speicherschädlinge denken! Landesbauernschaft Württemb. Wchnbl. 110: 380. June 26, 1943. 18 W96
- 24684 ROBINSON, R. H., and HATCH, M. B. Rotenone dust and sprays; loss of rotenone and deguelin from alkaline and acid rotenone dust mixtures and sprays. Soap and Sanit. Chem. 20(4): 125, 127, 129, 131. Apr. 1944. 307.8 So12
- 24685 ROSS, W. A. Psylla [Psylla pyricola; and codling moth [Carpocapsa pomonella; control in pear orchards. Canad. Hort. and Home Mag. Growers' Ed. 67: 54. Mar. 1944. 80 C16
- 24686 SLEESMAN, J. P. Potato spraying and dusting to improve yields in 1943. Ohio Veg. and Potato Growers Assoc. Proc. 28: 18-21. 1943. 75.9 Oh3
- For control of Empoasca fabae and Epitrix cucumeris.
- 24687 SMITH, R. F., and MICHELBAEGER, A. E. Alfalfa insects in California. Calif. Dept. Agr. Bul. 33(1): 39-52. Jan./Mar. 1944. Ref. 2 C12M
- 24688 STILLMAN, FRANK. The egg and the bug. Amer. Miller 72(4): 46, 51, 68. Apr. 1944. 298.8 Am32
- Milling methods in relation to insect infestation of flour.



- 24689 SWINGLE, M. C., GAHAN, J. B., and MAYER, E. L. Laboratory tests of synthetic organic compounds as insecticides. Jour. Econ. Ent. 37: 70-74. Feb. 1944. 421 J822
- 24690 TAYLOR, A. M. Ticks [*Boophilus annulatus*, and buffalo fly [*Hyperosia exigua*] in relation to beef production. Past. Rev. 54: 80. Feb. 16, 1944. 23 Au75
- 24691 THOMSEN, E. G., and DONER, M. H. Control of household pests. Soap, Perfumery & Cosmetics 17: 187-189. Mar. 1944. 307.8 S013
- 24692 TURNER, NEELY. How to avoid pests; garden notebook cuts down drudgery of spraying. House and Gard. [Greenwich, Conn.] 85(5): 54-55, 104-107. May 1944. 80 H81
- 24693 WEBSTER, H. N. Two insect pests [*Corythucha marmorata*, *Acidia fratria*]. Herbarist, No. 10, p. 49-51. 1944. 80 H41
- 24694 WHAT the engineer should know about tropical diseases. Pub. Works 75(4): 14-15, 44-46. Apr. 1944. 290.8 M922
- Includes mosquito-borne diseases and louse-borne typhus.
- 24695 ZANCA, PETER. Fumigation of barracks by sulphur dioxide. U. S. Army Med. Dept. Bul. 69, p. 76-78. Oct. 1943. 152.9 A752
- For disinfection and disinfection.
- APICULTURE AND APIS MELLIFERA
- 24696 \*AGARWAL, S. H. N. Experiences of a novice. Transferring bees from their wild nests. Indian Bee Jour. 5: 77-78. May/June 1943. 424.8 In2
- 24697 \*ALSLEBEN, OTTO. Das Jahr 1943. Nordwestdeut. Bienenztg. 1: 96-97. Oct. 1943. 424.8 N75
- 24698 ANDERSON, E. J. Pollen records. Pa. Beekeeper 19(1): 18. Mar. 1944. 424.8 P38
- Amount of pollen collected during the season by use of pollen traps at hive entrance.
- 24699 \*ANDERSSON, ERIK. För de unga [For the young people]. Bitidningen 42: 409-410. Dec. 1943. 424.8 B54
- Breeding of queens.
- 24700 \*ARKER, HELMUTH. Bienenpflege zur ausnutzung der rapstracht. Sudwestdeut. Bienenztg. 1: 5-6. Apr. 1943. 424.8 Su24
- 24701 BAKER, C. T. G. Who is the expert? Brit. Bee Jour. 62: 50. Feb. 24, 1944. 424.8 B77
- Successful beekeeping requires fundamental knowledge of bee behavior.
- 24702 BANSBACH, H. Warum meine bienen Nosema bekamen! Sudwestdeut. Bienenztg. 1: 6-7. Apr. 1943. 424.8 Su24
- 24703 \*BATTENBERG. Die hörnchenkrankheit. Sudwestdeut. Bienenztg. 1: 58. July 1943. 424.8 Su24
- 24704 BECKER. Das zusetzen der königin im baurahmenfenster. Sudwestdeut. Bienenztg. 1: 26. May 1943. 424.8 Su24
- 24705 \*BELENGUER, J. M. Las abejas y la ceramica. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Bivulgadoras, v. 35, No. 46, 4 p. Madrid, 1943. 15 H68
- Bees as pollinators of certain woody shrubs used to fire kilns.
- 24706 \*BERTRAM, P. A. "Rührt euch!" heisst aufrichten! Nordwestdeut. Bienenztg. 1: 112-113. Nov. 1943. 424.8 N75
- Colony management.
- 24707 \*BHUPEN. Summering bees in northern India plains. Indian Bee Jour. 5: 78-79. May/June 1943. 424.8 In2
- Beekeeper must provide protection against summer heat and loo (hot winds).
- 24708 BOWEN, A. H. Bee farming. The out-apiary. Brit. Bee Jour. 62: 49. Feb. 24, 1944. 424.8 B77
- 24709 \*BRAND, JOS. Bienen im Osten Sudwestdeut. Bienenztg. 1: 26. May 1943. 424.8 Su24
- Observations during the Russian campaign.
- 24710 BRIGHTMAN, JOSEPH. Clover [as a honey plant]. Beekeepers' Rec. 62: 23-24. Mar. 1944. 424.8 B398
- 24711 \*BUSSE, M. Meine imkerlich tätigkeit als kriegsblinder. Ostdeut. Bienenztg. 58: 134-135. Nov. 1943. 424.8 L53
- 24712 \*CARLANDER, TORSTEN. Modern finsk bigård. Bitidningen 42: 373-376. Nov. 1943. 424.8 B54
- Description of author's bees in modern Finnish apiary.
- 24713 CARTER, G. A. The artificial ripening of nectar. Bee Craft 26: 18. Mar. 1944. 424.8 B3925
- 24714 \*CEDERHOLM, YNGVE. Honungsklöver. Bitidningen 42: 335. Oct. 1943. 424.8 B54
- Description of clovers visited by bees.
- 24715 \*CEDERHOLM, YNGVE. Samarbete i biväxtfrågan [Collaboration in the honey plant question]. Bitidningen 42: 376-377. Nov. 1943. 424.8 B54
- More honey plants needed.
- 24716 COMO SE marcan las reinas. Rev. de Agr. Costa Rica, 16(1): 38-40. Jan. 1944. 8 E81
- 24717 \*CORNEHL, A. Starke völker trotz dem winter. Nordwestdeut. Bienenztg. 1: 20-21. May 1943. 424.8 N75
- 24718 \*DAVE, M. L. Wasps [bee pests]. Indian Bee Jour. 5: 127, 131. Sept./Oct. 1943. 424.8 In2
- 24719 \*DIEHL, H. Vom verfliegen der bienenköniginnen. Sudwestdeut. Bienenztg. 1: 21-22. May 1943. 424.8 Su24
- 24720 EDWARDS, E. E. The future of beekeeping in Wales with special reference to Glamorgan. (Cont.) Beekeeping 10: 29-31. Mar. 1944. 424.8 B3991
- 24721 \*EVENIUS. Für den züchter! Ostdeut. Bienenztg. 58: 109-110. Sept. 1943. 424.8 L53
- 24722 \*EVENIUS. Eine polizeiverordnung gegen vernachlässigung von bienenständen. Ostdeut. Bienenztg. 58: 122-123. Oct. 1943. 424.8 L53
- 24723 \*FALKENBERG, JOHANNES. Der weg zum erfolg. Ostdeut. Bienenztg. 58: 131-133. Nov. 1943. 424.8 L53
- Seasonal colony management.
- 24724 FILMER, R. S. American foulbrood resistant strain of bees. N. J. Beekeepers' Assoc., Beekeepers' News Letter, Jan. 1944, p. 2-3. 424.9 M46B
- 24725 \*FISCHER, FRIEDRICH. Der "Senior" unserer wanderstände wird "a.D." gesetzt. Sudwestdeut. Bienenztg. 1: 88-90. Sept. 1943. 424.8 Su24
- 24726 \*FISCHER, FRIEDRICH. Was fordert unsere bienenweide vom imker im herbst? Sudwestdeut. Bienenztg. 1: 98. Oct. 1943. 424.8 Su24
- 24727 \*GAEDERMANN, JOHANN. Wie schützt der imker seine bienen bei feuer vor der vernichtung? Nordwestdeut. Bienenztg. 1: 48. July 1943. 424.8 N75
- Suggests closing the hive entrances and opening ventilators during an air raid.
- 24728 GORDON, F. Incipient stage of A. F. B. [American foulbrood]. Brit. Bee Jour. 62: 57. Mar. 2, 1944. 424.8 B77



24729 \*GROSKREUTZ, H. Winke für die ablegerbildung. Nordwestdeut. Bienenztg. 1: 64-65. Aug. 1943. 424.8 N75

Increasing colonies.

24730 \*HAHN, KURT. Wie giesse ich meine mittelwände! Ostdeut. Bienenztg. 58: 107. Sept. 1943. 424.8 L53

24731 \*HANSSON, AKE. Skalbaggskvalstret på bin. Bitidningen 42: 339, 342. Oct. 1943. 424.8 B54

Pergamasus crassipes on bees.

24732 \*HARNEY, WILH. Brutbeschränkung. Nordwestdeut. Bienenztg. 1: 32-34. June 1943. 424.8 N75

24733 \*HARNEY, WILH. Der lindenwald bei Colbitz. Nordwestdeut. Bienenztg. 1: 60-61. Aug. 1943. 424.8 N75

Linden as a honey source.

24734 \*HARNEY, WILH. Nützliche arbeiten und wissenwertes. Nordwestdeut. Bienenztg. 1: 21-23. May 1943. 424.8 N75

Deals with frames, foundation, etc.

24735 \*HARNEY, WILH. Was kann ich im oktober und november tun, um die nächstjährige ernte vorzubereiten? Nordwestdeut. Bienenztg. 1: 100-102. Oct. 1943. 424.8 N75

24736 \*HARNEY, WILH. Weitere kleinigkeiten zur beachtung. Nordwestdeut. Bienenztg. 1: 78-79. Sept. 1943. 424.8 N75

Migratory beekeeping.

24737 \*HELD, ALBERT. Züchten, das gebot der stunde! Sudwestdeut. Bienenztg. 1: 22-25. May 1943. 424.8 Su24

24738 \*HENCHE, ALFRED. Meine wanderungen in die waldtracht. Sudwestdeut. Bienenztg. 1: 40-41. June 1943. 424.8 Su24

24739 \*HERBOLSHEIMER, ANDREAS. Entdeckt hats von 30 völkern nur eins! Ostdeut. Bienenztg. 58: 107-108. Sept. 1943. 424.8 L53

Colony management.

24740 \*HERBOLSHEIMER, ANDREAS. Züchterecke. Sudwestdeut. Bienenztg. 1: 44-45. June 1943. 424.8 Su24

24741 \*HEROLD, E. Imker-einmaleins. Sudwestdeut. Bienenztg. 1: 10. Apr. 1943. 424.8 Su24

Thermometer showing the relation of temperature to colony manipulation.

24742 \*HIMMER. Die bienen im winter. Ostdeut. Bienenztg. 58: 117-119. Oct. 1943. 424.8 L53

24743 \*HINKELMANN. Der deutsche imker im protektorat. Ostdeut. Bienenztg. 58: 133-134. Nov. 1943. 424.8 L53

24744 \*HOFFMANN, HCH. Wille und tat der deutschen imkerschaft im 4. kriegsjahr. Sudwestdeut. Bienenztg. 1: 91-92. Sept. 1943. 424.8 Su24

24745 HUTCHIESON, J. A. Ventilation, etc. Scot. Beekeeper 20: 33-34. Mar. 1944. 424.8 Sco8

24746 JAIMS. El zángano importancia en la cria de reinas. Rev. de Apic. 20(240): 17-18. Feb. 1944. 424.8 R325

24747 \*KAUFMANN. Die "Italiener" als erprob-biene. Ostdeut. Bienenztg. 58: 121-122. Oct. 1943. 424.8 L53

24748 KIRK, H. B. Apiary inspection - 1943. Pa. Beekeeper 19(1): 5-8. Mar. 1944. 424.8 P38

24749 \*KLECHA, D. Imker, augen auf! Nordwestdeut. Bienenztg. 1: 111-112. Nov. 1943. 424.8 N75

Seasonal colony management.

24750 \*KLINGELHOFER, JOHS. Bruteinschränkung. Nordwestdeut. Bienenztg. 1: 62-63. Aug. 1943. 424.8 N75

24751 \*KOEHRER, F. W. Kurs andern! Sudwestdeut. Bienenztg. 1: 39-40. June 1943. 424.8 Su24

Beekeeping and the war.

24752 \*KOVALEV, A. Zimniy ukhod za pchelami (Winter care of bees). Sel'so (Ser. Kolkhoz. Zhi-votn.), v. 12, No. 214/217, 4 p. Nov. 1943. 49 Se4

24753 \*KROSSIN, F. Spätrachtbeobachtungen. Ostdeut. Bienenztg. 58: 106. Sept. 1943. 424.8 L53

Honey plants.

24754 \*LANGE, E. G. Bienen-schäden durch pflanzen-schutzmittel? Sudwestdeut. Bienenztg. 1: 69-71. Aug. 1943. 424.8 Su24

24755 \*LANKE, RAGNAR. Vinterklotet (Winter cluster). Bitidningen 42: 338-339. Oct. 1943. 424.8 B54

24756 \*LARSSON, NILS. Rödklövern och bina. Bitidningen 42: 333-335. Oct. 1943. 424.8 B54

Research at the experimental apiary at Varpnäs on the role of the bee in the pollination of red clover.

24757 \*LASSEN, J. D. Überwinterung im keller. Nordwestdeut. Bienenztg. 1: 35-36. June 1943. 424.8 N75

24758 \*LASSEN, J. D. Wachsgewinnung auf einfachste art. Nordwestdeut. Bienenztg. 1: 110-111. Nov. 1943. 424.8 N75

24759 LE MAISTRE, W. G. Report of the provincial apiarist. Alberta. Dept. Agr. Ann. Rpt. 1942: 94-96. 1943. 7 AL12

24760 LINEBURG, BRUCE. La alimentación de las larvas de las abejas. Rev. de Apic. 20(240): 9-11. Feb. 1944. 424.8 R325

24761 \*LISTER, A. J. L. Bees in the Darjeeling District (Bengal). Indian Bee Jour. 5: 76, 83. May/June 1943. 424.8 In2

Apis indica, Apis dorsata, Apis florea, and Melipona varieties.

24762 LOVEGROVE, N. B. Royal jelly and the chromosome theory. Beekeepers' Rec. 62: 22-23. Mar. 1944. 424.8 B398

24763 \*LUDWIG, AUGUST. 75 lehrgänge. Nordwestdeut. Bienenztg. 1: 79-81. Sept. 1943. 424.8 N75

24764 \*LUDWIG, AUGUST. Der universitätslehr-bienenstand zu Jena. Nordwestdeut. Bienenztg. 1: 29. June 1943. 424.8 N75

24765 \*LUDWIG, AUGUST. Das viele unnütze bienen-fleisch! Nordwestdeut. Bienenztg. 1: 45-47. July 1943. 424.8 N75

The importance of strong colonies.

24766 \*LUDWIG, AUGUST. Zweivölkerbetrieb. Nordwestdeut. Bienenztg. 1: 94-95. Oct. 1943. 424.8 N75

24767 \*MAIER, KARL. Die gute durchlenzung. Sudwestdeut. Bienenztg. 1: 11. Apr. 1943. 424.8 Su24

24768 \*MAIER, KARL. Das schwärmen im Mai. Sudwestdeut. Bienenztg. 1: 25. May 1943. 424.8 Su24

24769 \*MAIER, WILLY. Unzeitgemässe betrach-tungen. Sudwestdeut. Bienenztg. 1: 57. July 1943. 424.8 Su24

Bee hives and equipment..

24770 MANLEY, R. O. B. Sterilisation of extract-ing combs. Bee Craft 26: 19. Mar. 1944. 424.8 B3925

24771 \*MEYER, HINNERK. Erfahrungen am vater-volk. Nordwestdeut. Bienenztg. 1: 35. June 1943. 424.8 N75

The importance of good queens.

24772 \*MEYER, HINNERK. Ist die heide ein bienenmörder? Nordwestdeut. Bienenztg. 1: 43-44. July 1943. 424.8 N75



- 24773 \*MEYER, HINNERK. Scheibenhonig. Nordwestdeut. Bienenztg. 1: 57. Aug. 1943. 424.8 N75
- 24774 \*MEYER, HINNERK. Die stillen meister im lande. Nordwestdeut. Bienenztg. 1: 108. Nov. 1943. 424.8 N75
- Apiculture in Germany.
- 24775 MOLINO, VICENTE. Miel en secciones. Rev. de Apic. 20(240): 2-3. Feb. 1944. 424.8 R325
- 24776 \*MOLT. Auswahl und vereinigen der völker für das neue bienenjahr. Nordwestdeut. Bienenztg. 1: 64. Aug. 1943. 424.8 N75
- 24777 \*MULLER, LUDWIG. Zuckerlösung. Südwestdeut. Bienenztg. 1: 92-93. Sept. 1943. 424.8 Su24
- 24778 \*MUNCH, AUGUST. Wanderung in die weisstannentracht. Südwestdeut. Bienenztg. 1: 53-55. July 1943. 424.8 Su24
- 24779 MURPHY, T. "Ripening" of honey. Brit. Bee Jour. 62: 39. Feb. 17, 1944. 424.8 B77
- 24780 \*MUTTOO, R. N. What is this "lotus honey?" Indian Bee Jour. 5: 67-68. May/June 1943. 424.8 In2
- 24781 \*NÄSCHER, ALMA. Mehr wachs durch den baurahmen. Nordwestdeut. Bienenztg. 1: 50-51. July 1943. 424.8 N75
- 24782 \*PASTIAN. Erfahrungen mit sojamehl-rütterung an bienen. Ostdeut. Bienenztg. 58: 108-109. Sept. 1943. 424.8 L53
- 24783 PEDLEY, EDGAR. Swarming and its control. Brit. Bee Jour. 62: 47-48. Feb. 24, 1944. 424.8 B77
- 24784 \*PEITZER, JOHANNES. Landschaftsgestaltung u. bienenweide. Südwestdeut. Bienenztg. 1: 35-36; 51-52; 67-68; 85-86. June, July, Aug., Sept. 1943. 424.8 Su24
- Honey plants.
- 24785 \*PRUSSMANN, E. Noch mehr wachs! Nordwestdeut. Bienenztg. 1: 49-50. July 1943. 424.8 N75
- 24786 PUGMIRE, HAROLD. Bee diseases - bee inspectors. Brit. Bee Jour. 62: 70. Mar. 16, 1944. 424.8 B77
- 24787 RAYMENT, TARLTON. The venom of the sting. Recent research in its effects on various animals. Australasian Beekeeper 45: 150-151. Feb. 15, 1944. 424.8 Au72
- 24788 \*ROTH, A. Bienen narkose! Ostdeut. Bienenztg. 58: 120-121. Oct. 1943. 424.8 L53
- 24789 \*RUNK. Bienenstich und seine wirkungen. Südwestdeut. Bienenztg. 1: 105-107. Oct. 1943. 424.8 Su24
- 24790 \*SCHARFF. Das deutsche einheitsmass. Südwestdeut. Bienenztg. 1: 103-105. Oct. 1943. 424.8 Su24
- 24791 \*SCHEFFOLD, J. Auch im meisen bienenjahr 1943 rekordernten! Südwestdeut. Bienenztg. 1: 121-122. Nov. 1943. 424.8 Su24
- 24792 \*SCHIMPF, C. G. Die biene als wetterprophet! Südwestdeut. Bienenztg. 1: 71-72. Aug. 1943. 424.8 Su24
- 24793 \*SCHIMPF, G. Einfluss der rassischen veranlagung der bienen auf die legetätigkeit der königin. Südwestdeut. Bienenztg. 1: 38-39. June 1943. 424.8 Su24
- 24794 \*SCHIMPF, G. Vom verfliegen der bienenköniginnen. Südwestdeut. Bienenztg. 1: 7-8. Apr. 1943. 424.8 Su24
- 24795 \*SCHIMPF, G. Zusatzmethode für versandte königinnen. Südwestdeut. Bienenztg. 1: 87-88. Sept. 1943. 424.8 Su24
- 24796 \*SCHMOLINSKI, M. Wie wird die frau mit den bienen einig! Ostdeut. Bienenztg. 58: 108. Sept. 1943. 424.8 L53
- 24797 \*SCHNAUBER, A. Was sagt uns die stockkarte? Nordwestdeut. Bienenztg. 1: 50. July 1943. 424.8 N75
- Seasonal management of colonies.
- 24798 \*SCHWAN, B. Honung undersökes. Bitidningen 42: 405. Dec. 1943. 424.8 B54
- Pollen analysis of honey by Statens Växtskyddsanstalt to determine the plant source.
- 24799 \*SCHWARZ, HELMUT. Betrachtungen zur frage des imkerlichen nachwachses. Südwestdeut. Bienenztg. 1: 56-57. July 1943. 424.8 Su24
- Encourages the keeping of bees.
- 24800 \*SCHWARZ, HELMUT. Der imker am anfang des 5. kriegsjahres - rückblick und ausblick. Südwestdeut. Bienenztg. 1: 118-121. Nov. 1943. 424.8 Su24
- 24801 \*SEILER. Die blüte und die zauberin. Südwestdeut. Bienenztg. 1: 10-11. Apr. 1943. 424.8 Su24
- Apis mellifera as a pollinator.
- 24802 \*SENSBURG, E. Die kartoffelkäferbekämpfung hat begonnen! Schützt eure bienen vor arsenvergiftung! Südwestdeut. Bienenztg. 1: 52-53. July 1943. 424.8 Su24
- In control measures against potato beetle urges that bees be protected against arsenical poisoning.
- 24803 \*SINGH, SARDAR. Bee management. Robbing among bees and its control. Indian Bee Jour. 5: 69-71, 82. May/June 1943. 424.8 In2
- 24804 \*S.i.e. SJORGEN, STURE?, Elektrisk lampa som värmekälla. Bitidningen 42: 340-341. Oct. 1943. 424.8 B54
- Electric light as a source of heat in the hive.
- 24805 \*S.i.e. SJORGEN, STURE?, Flusterskydd med svärmfångare och drönarefälla [Guarding the entrance of the bee hive with queen excluder and drone trap]. Bitidningen 42: 341-342. Oct. 1943. 424.8 B54
- 24806 \*SVENSSON, ANDERS. Rekordskördar [Record yields of honey]. Bitidningen 42: 403. Dec. 1943. 424.8 B54
- 24807 \*THOMPSON, C. R. Honey a gift of nature. Indian Bee Jour. 5: 74-75, 84. May/June 1943. 424.8 In2
- 24808 \*TUSCHHOFF, O. Haben still umweiselnde völker wirtschaftswert? Südwestdeut. Bienenztg. 1: 42-43. June 1943. 424.8 Su24
- 24809 \*TUSCHHOFF, O. Das rechte einfüttern Ostdeut. Bienenztg. 58: 104-105. Sept. 1943. 424.8 L53
- 24810 ÚLTIMA revisión a las colmenas antes de la invernada. Unión Agr. del Sur 1(4/5): 31. May 1943. 9.3 Un3
- 24811 VALLEY, LEA. Hive design. Brit. Bee Jour. 62: 49-50. Feb. 24, 1944. 424.8 B77
- 24812 \*WALGER, K. Der Freistand [bee house]. Südwestdeut. Bienenztg. 1: 55-56. July 1943. 424.8 Su24
- 24813 WELMORE, E. B. Swarming and supersedure. Scot. Beekeeper 20: 33. Mar. 1944. 424.8 Sco8
- 24814 \*WESTMAN, E. J., and EDMAN, E. A. Utfodringsapparat för bin [Feeding apparatus for bees]. Bitidningen 42: 407. Dec. 1943. 424.8 B54
- Description of patent.
- 24815 \*WETTERER. Himbeerkulturen geben dem imker dreifachen nutzen. Südwestdeut. Bienenztg. 1: 105. Oct. 1943. 424.8 Su24



24816 \*WETZEL, OTTO. Die kriegsbehelfsbeute mit deutschen einheitsmass im Warthegau. Ostdeut. Bienenztg. 58: 135-138. Nov. 1943. 424.8 L53  
Bee hives.

24817 WHITEHEAD, S. B. Health in the hive. Field 183: 310. Mar. 18, 1944. 10 F45

24818 WILDEMANN. Von der richtigen einfütterung unserer bienenvölker. Nordwestdeut. Bienenztg. 1: 77-78. Sept. 1943. 424.8 N75

24819 \*WUNDERLICH, P. Planmässiges und wohl-  
durchdachtes imkern! (Concl.) Ostdeut. Bienenztg. 58: 105-106. Sept. 1943. 424.8 L53  
Colony manipulation July to April.

24820 \*ZUBANC, JOSEF. Ist das umhängeverfahren eine wirksame schwarmverhütung? Sudwestdeut. Bienenztg. 1: 43-44. June 1943. 424.8 Su24

See also Honey and Beeswax in Agricultural Products section.

#### ARACHNIDA, MYRIAPODA, ETC.

24821 ABBOTT, K. H. Tick borne diseases (with particular reference to tick paralysis). Dis. Nerv. System 5(1): 19-21. Jan. 1944. Army Med. Lib.  
Dermacentor venustus and D. variabilis known to cause paralysis in North America.

24822 AHLB, C. E., and LIPSHUTZ, JACK. Tsutsu-  
gamushi fever in the Southwest Pacific Theater. Amer. Med. Assoc. Jour. 124: 1095-1100. Apr. 15, 1944. 448.9 Am37

Trombicula spp. believed vectors.

24823 ANDERSON, D. H. Red mite (Paratetranychus pilosus) control. East. Fruit Grower 7(2): 4, 8, 19, 22. Apr. 1944. 80 Ea73

24824 BACHLAR, AMÉLIA. Aracnídeos portugueses. VI. (Continuação do inventário dos aracnídeos). Soc. Portug. des Sci. Nat. Bul. 13: 99-110. June 1940. 506 Sol

24825 BACON, L. J. The diagnosis of scabies. Med. Off. 71: 101-103. Mar. 25, 1944. 448.8 M462  
Sarcoptes scabiei.

24826 BARRISON VILLARES, J. La erradicación genética de la garrapata. Rev. Pecuaria, No. 58/59, p. 9-11. Jul./Aug. 1943. 49 R326  
Boophilus annulatus.

24827 BARTLEY, W. C., and MELLANBY, KENNETH. The parasitology of human scabies (women and children). Parasitology 35: 207-208. Mar. 1944. 448.8 P21

Sarcoptes scabiei.

24828 BOSTOCK, F., and DENYER, R. C. Lice and mange of pigs. Agr. Gaz. N. S. Wales 55: 70-74. Feb. 1, 1944. 23 N472

Includes construction details for oiling post, dipping tank, and pig wallow.

24829 BRAGA, J. M. Description de l'Asellus seabrai, isopode aveugle nouveau des eaux souterraines du Portugal. Coimbra Univ. Mus. Zool. Mem. e Estud. No. 145, 12 p. Coimbra, 1943. Ref. 410.9 C66

24830 BROWN, J. H. The spotted fever and other Albertan ticks. Canad. Jour. Res. Sect. D, Zool. Sci. 22: 36-51. Apr. 1944. Ref. 470 C16D  
Dermacentor venustus.

24831 CHAMBERLIN, R. V. Two new centipede  
Nipponobius australis n. sp.; Gomphor hadleyi n. g., n. sp. g. Ent. News 55: 64-66. Mar. 1944. 421 En88

24832 CUTRIGHT, C. R. Control of red mite (Tetranychus telarius). Amer. Fruit Grower 64(4): 9, 20, 33. Apr. 1944. 80 Q85

24833 DOWTSCHMAN, W. H. A new species of endo-  
parasitic mite (Halarachne diminuta) of the family Halarachnidae (Acarina). Amer. Micros. Soc. Trans. 63: 68-72. Jan. 1944. 440.9 Am33

24834 ELMORE, J. C. Red spiders (Tetranychus bimaculatus) on lima beans. Calif. Cult. 91: 195. 211. Apr. 15, 1944. 6 C12

24835 ESCOBAL, ROBERTO. Sarna ovina. Campo (Buenos Aires) 28(327): 14-15. Jan. 1944. 9 C15

24836 \*FORSSLUND, K. H. Schwedische Oribatei (Acar). I. Arkiv för Zool., v. 34, No. 3. art. A 10. 11 p. 1942. 410.9 Sv22

New spp. and forms in: Eobrachychthonius, Brachychthonius 9; Oppia.

24837 FRADE, F. Solífugos das colónias portuguesas (Angola, Guiné e Moçambique). Soc. Portug. des Sci. Nat. Bul. 13: 119-129. Nov. 1940. Ref. 506 Sol

New spp. in: Biton; Solpugarda; Solpugella; Solpuga 3.

24838 GLASER, E. G. Curb lice and mites. Ohio Farmer 193(8): 13. Apr. 15, 1944. 6 Oh3

24839 \*HOLZAPFEL-MEYER, MONIKA. Umwegversuche an der trichterspinnne Agelena labyrinthica (Cl.). Rev. Suisse de Zool. 50: 89-130. Feb. 1943. Ref. 410 R324

24840 HUMMON, O. J., and BUSHNELL, F. R. Acarias of mink and how to control it. Black Fox Mag. 27 (12): 9. Apr. 1944. 410 B56  
Acarid and cheletid mites.

24841 JENKINS, C. F. H. The red spider (Tetranychus urticae Koch.). West. Austral. Dept. Agr. Jour. 20: 315-319. Dec. 1943. 23 W52J

24842 KEIFER, H. H. Eriophyid studies XIV. Calif. Dept. Agr. Bul. 33(1): 18-38. Jan./Mar. 1944. 2 C12M

New genera: Setoptus; Halepella; Thamnacus; Tetra; Abacarus; Acamina. New spp. and forms in: Phytoptus; Austracus n. g.; Eriophyes; Aceria n. g. 2; Phyllocoptes; Vasates; Goptophylla n. g.; Calepitrimerus; Quadracus n. g.

24843 LADEIRO, J. M. Catálogo dos miriópodos de Portugal existentes no Museu Zoológico de Coimbra. Coimbra Univ. Mus. Zool. Mem. e Estud. No. 146, 16 p. Coimbra. 1943. 410.9 C66

24844 \*LESSERT, R. DE. Araignées du Congo Belge (troisième partie). Rev. Suisse de Zool. 50: 305-338. Sept. 1943. 410 R324

New spp. in: Stiphropus 2; Dieta; Tmarus; Smodicinus; Thomisus 3; Epidius; Philodromus 2.

24845 LIKIERMAN, J. E. La sarna de los animales domesticos. (Concl.) Pampa Argentina 18(198): 18-19. Feb. 1944. 9 F19

Sarcoptes, Chorioptes, Demodex.

24846 LLAMAZAS GONZALEZ, P. La garrapata, los perjuicios que ocasiona y manera de combatirla eficazmente. Rev. Pecuaria, No. 60/63, p. 7-12. Sept./Dec. 1943. 49 R326

Boophilus annulatus on cattle. Also discusses intestinal parasites of horses.

24847 \*LUNDBLAD, O. Die arthropodenfauna von Madeira nach den ergebnissen der reise von Prof. Dr. O. Lundblad Juli-August 1935. XXXI. Hydrachnellae. Arkiv för Zool., v. 34, No. 2, art. A 5, 122 p. 1942. 410.9 Sv22

New spp. in: Thyas; Lebertia 2; Aturus. Allomegapus n. gen. in Megapus.

24848 MELLANBY, KENNETH. The development of symptoms, parasitic infection and immunity in human scabies. Parasitology 35: 197-206. Mar. 1944. 448.8 P21

Sarcoptes scabiei.



- 24849 METTLER, E. A. J. Algunas consideraciones sobre los baños garrapaticidas arsenicales. Campo, Buenos Aires, 28(327): 56, 58. Jan. 1944. 9 C15
- 24850 MILNE, A. The ecology of the sheep tick, *Ixodes ricinus* L. Distribution of the tick in relation to geology, soil and vegetation in northern England. Parasitology 35: 186-196. Mar. 1944. 448.8 P21
- 24851 MITES in nest box bedding may injure mink pelts. Amer. Natl. Fur & Market Jour. 22(9): 6. Apr. 1944. 412.629 Am3M  
Acaridae; Cheyletidae.
- 24852 \*MONNE, LUDWIK. Polarisationsoptische analyse des zytoplasmas der spermatozyten von *Lithobius forficatus* L. Arkiv. för Zool., v. 34, No. 1, Art. B 1, 7 p. 1942. 410.9 Sv22
- 24853 RADFORD, C. D. New parasitic mites (Acarina) from rodents. Parasitology 35: 161-166. Mar. 1944. 448.8 P21  
New species in: *Androlaelaps* 2; *Listrophorus* 3; *Listrophoroides*.
- 24854 SCHNELLE, G. B., and JONES, T. C. Occurrence of the cereal mite [*Tyroglyphus* sp.] in war dogs. Amer. Vet. Med. Assoc. Jour. 104: 213-214. Apr. 1944. 41.8 Am3  
Intestinal infestation derived from contaminated rolled oats.
- 24855 \*\*SCHULZE, PAUL. Die gestaltung des miteldarmes bei den zecken und die einrichtungen für körperdehnung bei der blutaufnahme (nebst beiträgen zur lebensgeschichte der Ixodoidea). Ztschr. f. Morph. u. Ökol. der Tiere 39: 320-368. 1942. Abs. in Biol. Abs. 18: 7593. Apr. 1944. 442.8 B526
- 24856 SLEPYAN, A. H. A rapid treatment for scabies. Amer. Med. Assoc. Jour. 124: 1127-1128. Apr. 15, 1944. 448.9 Am37  
*Sarcoptes scabiei* eliminated with benzyl benzoate lotion in five-hour treatment.
- 24857 SMITH, C. N., and GOUCK, H. E. Sprays for the control of ticks about houses or camps. Jour. Econ. Ent. 37: 85-87. Feb. 1944. 421 J822  
*Dermacentor variabilis*, *Amblyomma americanum*, *Ixodes ricinus* *scapularis* controlled by nicotine sulfate, pyrethrum, etc.
- 24858 STEWART, W. L. Tick-borne diseases of sheep. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 23-27. Apr. 1944. 10 G79J
- 24859 \*TRÄGÄRDH, IVAR. Further contributions towards the comparative morphology of the Mesostigmata. Where are the metasternal shields of the Uropodina? Arkiv för Zool., v. 34, No. 1, art. A 3, 10 p. 1942. 410.9 Sv22
- 24860 \*TRÄGÄRDH, IVAR. Zur kenntnis der gattung *Epicrius* Berlese (Acarina). Arkiv för Zool., v. 34, No. 1, art. A 4, 10 p. 1942. 410.9 Sv22
- 24861 TRATAMIENTO de la sarna ovina. Chacra 14(159): 52-54, 62. Jan. 1944. 9 C34
- COLEOPTERA
- 24862 ALVARENGA, LEONIDAS. *Apate francisca* F. Café de El Salvador 14: 355-356. Feb. 1944. 68.28 0112
- 24863 ALVES, M. L. M. G. Estudo sobre as espécies da família "Cicindelidae" de Portugal. Coimbra Univ. Mus. Zool. Mem. e Estud. No. 141, 20 p. Coimbra, 1943. 410.9 C66
- 24864 ARNETT, R. H., JR. A revision of the Nearctic Silphini and Nicrophorini based upon the female genitalia (Coleoptera, Silphidae). N. Y. Ent. Soc. Jour. 52: 1-25. Mar. 1944. 420 N48J
- 24865 \*BALTHASAR, VLADIMIR. Revision der gattung *Aphodius*, untergattung *Trichaphodius* A. Schm. München. Ent. Gesell. Mitt. 33: 108-136. Apr. 1943. 420 M922  
A. (T.) *hofferi* n. sp. and A. (T.) *pulverulentus* n. sp. described.
- 24866 \*BECK, P. Coléoptères lamellicornes d'Angola: Dynastinae. Rev. Suisse de Zool. 49: 571-577. Dec. 1942. 410 R324  
Includes *Oryctes monardi* n. sp.
- 24867 \*BEHEIM, D., and BREUNING, ST. VON. Neu-beschreibungen von Caraboidea u. revisionen an den v. Breuning'schen monographien von *Carabus*, *Calosoma* und *Ceroglossus* (Kol.). München. Ent. Gesell. Mitt. 33: 1-25. Apr. 1943. 420 M922  
New spp. and forms in: *Apotomopterus*; *Isiocarabus*; *Eucarabus* 7; *Trachycarabus*; *Orinocarabus*; *Tomocarabus* 2; *Megodontus*; *Procrustes* 2; *Calosoma* 4; *Ceroglossus* 2.
- 24868 \*BERNHAEUER, MAX. Neuheiten der palaearktischen staphylinidenfauna. München. Ent. Gesell. Mitt. 33: 169-188. Apr. 1943. 420 M922  
New spp. in: *Priochirus* 2; *Aphaenostomus*; *Phloeonotus*; *Phyllodrepa*; *Oxyporus*; *Stenus* 2; *Palaminus*; *Paederus*; *Amichrotus*; *Staphylinus*; *Thoracostrongylus*; *Eucibdelus*; *Quedius*; *Bolitobius*; *Sipalia* 2; *Atheta* 3; *Aleochara*. *Homoiocheila*, n. subg. of *Atheta*
- 24869 BOYER, C. A. Japanese beetle [*Popillia japonica*] situation in Michigan. Mich. Forestry and Park Assoc. Ann. Mtg. 17: 12-16. 1943. 99.9 M586
- 24870 \*BREDDIN, P. Über eine durch nährpflanz-enwechsel bedingte abänderungsform von *Haltica* f. e. *Altica*; *oleracea* L. (Col. Chrys.). München. Ent. Gesell. Mitt. 33: 53-56. Apr. 1943. 420 M922
- 24871 \*\*BREUNING, STEPHAN. Beitrag zur wertung der geschlechtsorgane für die systematik. Ztschr. f. Morph. u. Ökol. der Tiere 39: 523-526. 1942. Based on a study of the genus *Dorcadiion*. Four new subgenera. - Abs. in Biol. Abs. 18: 7608. Apr. 1944. 442.8 B526
- 24872 \*BRUCE, NILS. Cryptophagidae der J. Klap-perichschen Fukien-ausbeute. (Kol.) München. Ent. Gesell. Mitt. 33: 156-164. Apr. 1943. 420 M922  
New spp. in *Cryptophagus* 4; *Henoticus* 2.
- 24873 \*BRUCE, NILS. Ein neue *Cryptophagus* [C. *kochi*] aus der südlichen Ukraine. (Col. Cryptoph.). München. Ent. Gesell. Mitt. 33: 295-297. Apr. 1943. 420 M922
- 24874 CARTER, WALTER. The use of D-D mixture against *Anomala orientalis*; and *Adoretus sinicus*; infesting nursery stock. (Sci. note.) Jour. Econ. Ent. 37: 117-118. Feb. 1944. 421 J822
- 24875 CARTWRIGHT, O. L. New Scarabaeidae from United States (Coleoptera). Ent. Soc. Amer. Ann. 37: 28-36. Mar. 1944. 420 En82  
New spp. and forms in: *Atasius* 2; *Eucanthus*; *Phyllophaga* 3; *Ligyris*; *Aphonus*.
- 24876 CURRAN, C. H. Notes and descriptions of some American Erotylidae. Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1256, 14 p. Apr. 21, 1944. 500 N483N  
New spp. in: *Oocybanus*; *Erotylina* n. g. 5.
- 24877 DICKER, G. H. L. *Tachyporus* (Col., Staphylinidae) larvae preying on aphides [*Capitophorus fragariae*]. Ent. Monthly Mag. 80: 71. Mar. 1944. 421 En86
- 24878 DONISTHORPE, HORACE. *Tachyporus cameroni* sp. n. (Col., Staphylinidae) in Ireland. Ent. Monthly Mag. 80: 67. Mar. 1944. 421 En86



24879 \*EGGERS, H. Borkenkäfer (Col., Jpidae [i.e. Ipinae]) aus Südamerika. X. Bolivia. München. Ent. Gesell. Mitt. 33: 344-389. Apr. 1943. 420 M922

New spp. in: Chramesus 2; Problechilus; Phthorophloeus 2; Dryotomus 2; Phloeotribus 10; Ernoporus; Cryptocarenus; Dendrocranulus; Isophthorus; Pityophthorus 2; Scolytodes 8; Prionosceles 4; Hylcurostoma 9; Sternobothrus n. g. 2; Scolytus; Onesinus 5; Cortylus 6; Amphicranus; Steganocranus; Xyleborus 5.

24880 \*ESMARCH. Zur erdfloh bekämpfung. Landesbauernschaft Sachsen. Wchnbl. 91: 255. May 29, 1943. 18 Sa1

#### Flea beetles.

24881 \*FIEDLER, CARL. Die südamerikanischen arten der gattung Tylodes Schönh. (Col. Curc. Cryptorhynch.). München. Ent. Gesell. Mitt. 33: 136-155. Apr. 1943. 420 M922

Eleven new spp. Tylodestes n. g. erected to contain Tylodes ganglionicus.

24882 FLEMING, W. E., and CHISHOLM, R. D. Anethole and pimenta leaf oil as attractants for the Japanese beetle [Popillia japonica]. (Sci. note.) Jour. Econ. Ent. 37: 116. Feb. 1944. 421 J822

24883 FRADE, F. Os escaravelhos. Naturalia 3: 171-173. July/Dec. 1939. 475 N21

#### Scarabaeidae.

24884 FRENCH, G. T. Anthocomus bipunctatus (Harrer), a new household insect. (Sci. note.) Jour. Econ. Ent. 37: 103. Feb. 1944. 421 J822

A European species of which this is the second report from the United States.

24885 \*GEBIEN, H. Katalog der tenebrioniden. (Cont.) München. Ent. Gesell. Mitt. 33: 399-430. Apr. 1943. 420 M922

24886 GEER, C. L. Enemy number one of the tuberous-rooted begonias. Begonian 11: 302. Apr. 1944. 96.511 B39

#### Brachyrhinus ovatus.

24887 GILMORE, J. U., and LEVIN, CLEMENCE. Control of the tobacco flea beetle [Epitrix parvula] by cultural practices in plant beds. Jour. Econ. Ent. 37: 13-15. Feb. 1944. 421 J822

24888 \*GRESSITT, J. L. Destructive long-horned beetle borers [Cerambycidae] at Canton, China. Lingnan Nat. Hist. Survey. Spec. Pub. 1, 60 p. Canton, 1942.

Abs. in Rev. Appl. Ent., A 31: 124. Mar. 1943. 421 R325

24889 HARPSTER, H. T. The gaseous plastron as a respiratory mechanism in Stenelmis quadrimaculata Horn Dryopidae. Amer. Micros. Soc. Trans. 63: 1-26. Jan. 1944. 440.9 Am33

24890 HERVEY, G. E. R. Asparagus beetles [Crioceris asparagi and C. duodecimpunctata] are rather easily controlled. Farm Res. [N. Y. State Sta.] 10 (2): 13-15. Apr. 1, 1944. 100 N48A

24891 \*HEY, A. Schädlinge des klee samenbaues. Landesbauernschaft Württemb. Wchnbl. 110: 322. May 22, 1943. 18 W96

#### Curculionidae.

24892 \*IHSEN, G. Neue und interessante insektenfunde aus dem faunengebiet Südbayerns. 29. Koleopt. ergänzungen und berichtigungen zu band III der Fauna Germanica von Reitter. München. Ent. Gesell. Mitt. 33: 389-395. Apr. 1943. 420 M922

24893 \*JÖSTING, E. A. Die innervierung des skelettmuskelsystems des mehlwurms (Tenebrio molitor L., ve). Zool. Jahrb. Abt. f. Anat. u. Ontog. Tiere 381-460. 1942.

bs. in Biol. Abs. 18: 7611. Apr. 1944. 442.8 B526

24894 JONES, E. W. Biological studies of two potato flea beetles [Epitrix subcrinita, E. cucumeris] in eastern Washington. Jour. Econ. Ent. 37: 9-12. Feb. 1944. 421 J822

24895 KNULL, J. N. Notes on Agrilus with descriptions of two new species [A. palmerleesi, A. amellanchieri] (Buprestidae: Coleoptera). Ent. Soc. Amer. Ann. 37: 75-83. Mar. 1944. 420 En82

24896 \*MESCHNIGG, JOSEPH. Orotrechus carinthiacus K. Mandl ♂ vom Obir. München. Ent. Gesell. Mitt. 33: 56-58. Apr. 1943. 420 M922

24897 \*MEYER, PAUL. Beiträge zum vorkommen der carabiden-gattung Bembidion Latr. (sensu Müller-Netolitzky, nec Jeannel) in der Ostmark. (Col.). München. Ent. Gesell. Mitt. 33: 270-290. Apr. 1943. 420 M922

24898 MINER, F. D. Selection of soil entrance and oviposition sites by June beetles [Phyllophaga spp.]. Jour. Econ. Ent. 37: 16-18. Feb. 1944. 421 J822

24899 \*MÜLLER, GIUSEPPE. Bestimmungstabelle der mediterranen Apotomus-arten (Col., Carab.). München. Ent. Gesell. Mitt. 33: 290-295. Apr. 1943. 420 M922

A. flavescens clypeonitens n. ssp.; A. angusticollis n. sp.

24900 \*MÜLLER, K. R. Suche nach kartoffelkäfern [Leptinotarsa decemlineata] wieder notwendig! Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 373. July 10, 1943. 18 Sa9

24901 \*MÜLLER, K. R. Zwei wichtige luzernefeinde. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 412. July 31, 1943. 18 Sa9

Wilt and Sitona spp.

24902 NASH, R. W. Status of bronzed birch borer [Agrilus anxius] damage in 1943. Maine Forest Serv. Bul. 13, Sup. 1, 2 p. Augusta, Maine, 1944. 99.9 M282B

24903 RICHARDSON, H. H., SCHECHTER, M. S., and HALLER, H. L. The toxicity of cyclopropyl alkyl ethers and trichloromethane-sulfonyl chloride to the confused flour beetle [Tribolium confusum]. (Sci. note.) Jour. Econ. Ent. 37: 111-112. Feb. 1944. 421 J822

24904 SCHAFFNER, J. V., JR., and MCINTYRE, H. L. The pine root-collar weevil [Hylobius radicis]. Jour. Forestry 42: 269-275. Apr. 1944. 99.8 F768

24905 \*SCHEIN, HANS. Die gattung Ptychodestes Kraatz (Kol. Cetonid.). München. Ent. Gesell. Mitt. 33: 33-53. Apr. 1943. 420 M922

Three new spp. described.

24906 SNYDER, T. E. Powder-post beetles and their control. Pests 12(4): 8, 27-31. Apr. 1944. 449.8 Ex8

Discusses wood-boring beetles of several families.

24907 TOL FILHO, P. L. VAN. A broca do algodoeiro [Gasterocercodes gossypii]. Rev. Rural Bras. 23(278): 44-46. Oct. 1943. 9.2 B733

24908 \*VILLIERS, A. Notes sur quelques Cerambycidae paléarctiques (Col.) München. Ent. Gesell. Mitt. 33: 233-236. Apr. 1943. 420 M922

Includes Strangalia lindbergi n. sp.

24909 \*VOSS, EDUARD. Neue und bemerkenswerte rüssler der palaearktischen region. (Col. Curc.). München. Ent. Gesell. Mitt. 33: 208-233. Apr. 1943. 420 M922

New spp. and forms in: Calomycterus; Peranosimus n. g.; Gyrtogaster; Plazomias; Xylinophorus; Phacephorus; Borborocoetus (?); Gronops 2; Larinus; Demimaea; Tychiosoma n. g.; Byctiscus 2.



24910 ZIMMERMAN, E. C. Apioninae and Brachyderinae of Fiji (Coleoptera, Curculionidae). Bernice P. Bishop Mus. Occas. Papers 17: 151-170. Feb. 17, 1943. 500 B450

Nesogenocis maculosus n. sp.; Apotapion n. g.; A. gibbipennis n. comb. for Cybebus gibbipennis.

24911 ZIMMERMAN, E. C. Some Curculionidae from Rotuma Island (Coleoptera). Bernice P. Bishop Mus. Occas. Papers 17: 183-189. Feb. 24, 1943. 500 B450

New species in: Amblycnemus; Ampagia.

#### DIPTERA

24912 ALEXANDER, C. P. New Nearctic crane-flies (Tipulidae, Diptera), Part XX. Canad. Ent. 76: 57-62. Mar. 1944. 421 C16

Four new spp. in Tipula.

24913 ALEXANDER, C. P. Records and descriptions of Neotropical crane-flies (Tipulidae, Diptera), XVII. N. Y. Ent. Soc. Jour. 52: 45-57. Mar. 1944. 420 N48J  
New spp. in: Gnophomyia 5; Neognophomyia 2; Gonomyia 2; Cryptolabis.

24914 BAX, S. N. A practical policy for tsetse reclamation and field experiment. Part III. (Concl.) East African Agr. Jour. 9: 157-162. Jan. 1944. 24 Ea74

Glossina.

24915 BAXTER, C. P., and ZETEK, JAMES. The Anopheles of Panama with special reference to hand lens identification and notes on collecting and care of specimens. Amer. Jour. Trop. Med. 24: 105-115. Mar. 1944. 448.8 Am33

24916 BOESEL, M. W., and SNYDER, E. G. Observations on the early stages and life history of the grass punky, Atrichopogon levis (Coquillett) (Diptera: Heleidae). Ent. Soc. Amer. Ann. 37: 37-46. Mar. 1944. 420 En82

24917 BRADLEY, G. H., FRITZ, R. F., and PERRY, L. E. Additional mosquito records for the Southeastern States. (Sci. note.) Jour. Econ. Ent. 37: 109. Feb. 1944. 421 J822

24918 BRADLEY, G. H., and HANSON, H. G. Entomological services in the regulation of the larvicide program. Natl. Malaria Soc. Jour. 2(2): 21-28. 1943. 448.9 N213

Anopheles spp.

24919 CABALLERO DESCALZO, A. J. Historia del paludismo en Cuba (Con especial referencia a los datos bibliograficos). (To be cont.) Rev. de Med. Trop. y Parasitol. [Havana] 10: 15-21. Jan./Feb. 1944. Ref. 448.8 R328

24920 CARPENTER, S. J., and MIDDLEKAUFF, W. W. Inland records of salt marsh mosquitoes. (Sci. note.) Jour. Econ. Ent. 37: 106. Feb. 1944. 421 J822

24921 CHRISTENSEN, G. R., and HARMSTON, F. C. A preliminary list of the mosquitoes of Indiana. (Sci. note.) Jour. Econ. Ent. 37: 110-111. Feb. 1944. 421 J822

24922 \*THE CITEUS and mango fruit-fly. (Dacus ferrugineus F.). Ceylon-Dept. Agr. Leaflet 185, 2 p. Peradeniya, 1941. 22.5 C33L  
Colored plate.

24923 COOPER, A. W. Invalidation of the cytological evidence for reciprocal chiasmata in the sex chromosome bivalent of male Drosophila. Natl. Acad. Sci. Proc. 30: 50-54. Mar. 1944. 500 N21P

24924 CUFF, R. L. One hundred million-dollar grub stake. Coastal Cattleman 10(2): 9-11. Apr. 1944. 43.8 G63

Control of Hyndoderma.

24925 DARLEY, C. B. Poisoning the blowfly [Lucilia cuprina]. Past. Rev. 54: 89. Feb. 16, 1944. 23 An75

24926 EYLES, D. E., and COX, W. W. The measurement of a population of Anopheles quadrimaculatus Say. Natl. Malaria Soc. Jour. 2(2): 71-83. 1943. 448.9 N213

24927 EYLES, D. E. A method for catching, marking and reexamining large numbers of Anopheles quadrimaculatus Say. Natl. Malaria Soc. Jour. 2(2): 85-91. 1943. 448.9 N213

24928 FELLTON, H. L. Entomological services in the regulation of the larvicide program. Natl. Malaria Soc. Jour. 2(2): 29-30. 1943. 448.9 N213  
Anopheles quadrimaculatus.

24929 FREEBORN, S. B. Problems created by returning malaria carriers. U. S. Pub. Health Serv. Rpts. 59: 357-363. Mar. 17, 1944. 151.65 P96

The factors involved are: the carriers, the anopheline vectors, and the "ecological niche." A skeleton team of entomologists and engineers has already been established in each Public Health Service district not covered by the regular program.

24930 GETTING, V. A. Malaria in Massachusetts. New England Jour. Med. 230: 350-357. Mar. 23, 1944. 448.8 N442

Includes Anopheles control.

24931 GILYARD, R. T. Mosquito transmission of Venezuelan virus equine encephalomyelitis in Trinidad. U. S. Army Med. Dept. Bul. No. 75, p. 96-107. Apr. 1944. 152.9 Ar52

24932 \*GLOOR, HANS. Entwicklungsphysiologische untersuchung an den gonaden einer letalrasse (lg1) von Drosophila melanogaster [i.e. ampelophila]. Rev. Suisse de Zool. 50: 339-394. Sept. 1943. Ref. p. 391-394. 410 R324

24933 GWATKIN, RONALD, and MITCHELL, G. A. Transmission of Salmonella pullorum by flies. (Abs.) Canad. Jour. Pub. Health 35: 91. Feb. 1944. 449.8 P964

24934 \*HADORN, E., and GLOOR, H. Cryptocephal, ein spät wirkender letalfaktor bei Drosophila melanogaster [i. e. ampelophila]. Rev. Suisse de Zool. 50: 256-261. June 1943. 410 R324

24935 HESS, A. D., and HALL, T. F. The intersection line as a factor in anopheline ecology. Natl. Malaria Soc. Jour. 2(2): 93-98. 1943. 448.9 N213

24936 HUFFAKER, C. B. The temperature relations of the immature stages of the malarial mosquito, Anopheles quadrimaculatus Say, with a comparison of the developmental power of constant and variable temperatures in insect metabolism. Ent. Soc. Amer. Ann. 37: 1-27. Mar. 1944. Ref. 420 En82

24937 HULL, F. M. Some genera of flies of the family Syrphidae. Wash. Acad. Sci. Jour. 34: 129-132. Apr. 15, 1944. 500 W276J

Lycopale n. g. based on Meromacrus vittata Hull; Kryptopyga pendulosa n. g. and n. sp.; Spheginobaccha (Dexiosyrphus) funeralis n. subg. and n. sp.; S. dexioides n. sp.

24938 KEIL, RUDOLF. Der kaliumgehalt der Drosophila melanogaster [i.e. ampelophila] (wildform) und die spontane mutabilität. Biochem. Ztschr. 313: 317-336. Jan. 1943. 384 B522

24939 KING, W. V., and KUENS, D. M. Development of entomological service of the Fourth Service Command Laboratory as applied to the Army's mosquito control program. Natl. Malaria Soc. Jour. 2(2): 39-47. 1943. 448.9 N213

24940 KNOWLTON, G. F., and MADDOCK, D. R. Snipe flies [Symphoromyia hirta] in Utah. (Sci. note.) Jour. Econ. Ent. 37: 119. Feb. 1944. 421 J822

24941 LAEMERT, H. W., JR. Susceptibility of marmosets to different strains of yellow fever virus. Amer. Jour. Trop. Med. 24: 71-81. Mar. 1944. 448.8 Am33

Experimental infection by Aedes aegypti, p. 77.



- 24942 LEGGREN, W. A. Malaria control experience with circular joint ditch paving slabs and automatic siphons. Natl. Malaria Soc. Jour. 2(2): 61-64. 1943. 448.9 N213  
Mosquito control.
- 24943 \*LINDNER, ERWIN. Neue dipteren aus dem gebiet der Alpen. München. Ent. Gesell. Mitt. 33: 244-247. Apr. 1943. 420 M922  
Hermione leonina Ruttneri n. f.; Cryptectemnia lindneri Enderlein n. sp.; Dizygomyza (Poemyza) lunzensis Hering n. sp.
- 24944 LOTZE, J. C. Carrier cattle as a source of infective material for horsefly, *Tabanus sulcifrons*, transmission of anaplasmosis. Amer. Jour. Vet. Res. 5: 164-165. Apr. 1944. 41.8 Am3A
- 24945 \*MCDONALD, S. F. The mosquito; a teacher of medicine. Med. Jour. Austral. 30, 2: 513-520. Dec. 1943.  
Noted in Cur. List Med. Lit. 6: 300. Feb. 25, 1944. 241.71 C93
- 24946 MALMER, JOSEPH. La guerra contra el mosquito del sueño, *Glossina* spp. j. Vaqueros 4(3): 14. Mar. 1944. 43.8 V41
- 24947 MIDDLEKAUFF, W. W., and CARPENTER, S. J. New distribution records for the mosquitoes of the southeastern United States in 1943. Jour. Econ. Ent. 37: 88-92. Feb. 1944. 421 J822
- 24948 MIEGEVILLE, L'evarronnage. Terre Marocaine 14(170): 11-12. Jan. 1944. 24 T44  
Control of *Hypoderma bovis*.
- 24949 MILLER, D. D. *Drosophila melanura*, a new species of the melanica group. N. Y. Ent. Soc. Jour. 52: 85-97. Mar. 1944. 420 N48J
- 24950 PACKCHANIAN, A. A. Malaria thick films contaminated with excretions of flies containing flagellates (*Herpetomonas*). Amer. Jour. Trop. Med. 24: 141-143. Mar. 1944. 448.8 Am33  
Experiments with *Musca domestica* prove need of protecting newly made blood films.
- 24951 PALMER, L. C. Mosquito control. Mich. Forestry and Park Assoc. Ann. Mtg. 17: 1-2. 1943. 99.9 M586
- 24952 PEPLER, H. J. Usefulness of microorganisms in studying dispersion of flies, *Musca domestica*, U. S. Army Med. Dept. Bul. No. 75, p. 121-122. Apr. 1944. 152.9 Ar52
- 24953 RECTOR, N. H. Anti-malaria ditching by dynamite. Natl. Malaria Soc. Jour. 2(2): 11-20. 1943. 448.9 N213  
For mosquito control. Discussion by R. E. Dorer (p. 15-17) and J. E. Taylor (p. 17-20).
- 24954 REEVES, W. C., and HAMMON, W. M. Feeding habits of the proven and possible mosquito vectors of western equine and St. Louis encephalitis in the Yakima Valley, Washington. Amer. Jour. Trop. Med. 24: 131-134. Mar. 1944. 448.8 Am33
- 24955 ROTH, L. M., and YOUNG, F. N. *Culex* (*Melanoconion*) *atratus* Theobald in Florida; a new continental North American record, with notes on the other *Melanoconions* of the southeastern United States. Ent. Soc. Amer. Ann. 37: 84-88. Mar. 1944. 420 En82
- 24956 ROTH, L. M. A key to the *Anopheles* of the southeastern United States, by male genitalia (*Diptera*, *Culicidae*). Amer. Midland Nat. 31: 96-110. Jan. 1944. 410 M58
- 24957 SACKS, A. P. Wings over your table. Jour. Living 9(11): 45-49. May 1944. 389.8 J822  
*Musca domestica*.
- 24958 SPENCER, W. T. Cattle grubs (*Hypoderma*). Norden News 18(2): 9. Mar./Apr. 1944. 41.8 N75
- 24959 \*STUBBE, A. E. Vergleichende untersuchungen der wildtypen verschiedener *Drosophila*-arten an hand von transplantationen der augenanlagen. VIII. Vergleich der wildtypen von *Drosophila melanogaster* [i.e. *ampelophila*] und *Drosophila buskii*. Ztschr. f. Induktive Abstam. u. Vererbungslehre 80: 205-209. 1942. 442.8 Z34
- 24960 USINGER, R. L. Entomological phases of the recent dengue epidemic in Honolulu. U. S. Pub. Health Serv. Rpts. 59: 423-430. Mar. 31, 1944. 151.65 P96  
*Culex quinquefasciatus*, *Aedes aegypti*, *A. albopictus*.
- 24961 WANAMAKER, J. F., CHAMBERLAIN, R. W., and CARPENTER, S. J. Distribution of *Culex pipiens* in the southeastern United States. (Sci. note.) Jour. Econ. Ent. 37: 106-107. Feb. 1944. 421 J822
- 24962 WATERHOUSE, D. F. Field and laboratory tests with B.T.B. (boric acid-tar oil-bentonite), blowfly dressing and its modifications, with special reference to B.K.B. (boric acid-kerosene-bentonite). Austral. Council Sci. and Indus. Res. Jour. 17: 1-15. Feb. 1944. 514 Au72J  
*Lucilia cuprina*.
- 24963 WILLIAMS, L. L., JR., and HOLLIS, M. D. Malaria control in the war areas. Natl. Malaria Soc. Jour. 2(2): 5-9. 1943. 448.9 N213  
Includes discussion of mosquito control program.
- 24964 WRIGHT, D. W., PETHERBRIDGE, F. R., and ASHEY, D. G. The biology and control of the carrot fly, *Psila rosae*. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 11-15. Apr. 1944. 10 G79J
- 24965 \*ZALOKAR, MARKO. L'ablation des disques imaginaires chez la larve de drosophile. Rev. Suisse de Zool. 50: 232-237. June 1943. 410 R324  
*D. ampelophila*.

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 24966 \*BODENHEIMER, F. S. A first survey of the Coccoidea of Iraq. Iraq. Min. Econ. Dir. Gen. Agr. Bul. 28, 33 p. Baghdad, 1943. 22.5 M562Ag  
Added title-page, introduction and index in Arabic.  
New spp. and forms in: *Quadraspidiotus* [i.e. *Aspidiotus*]; *Mytilococcus* 2; *Leucaspis*; *Pulvinaria*; *Pseudococcus*; *Trionymus*; *Rhizococcus*; *Phenacoccus* 5; *Eriococcus* 3; *Archaspis* n. g.
- 24967 BRECHER, G., and WIGGLESWORTH, V. B. The transmission of *Actinomyces rhodni* Erikson in *Rhodnius prolixus* Stål (Hemiptera) and its influence on the growth of the host. Parasitology 35: 220-224. Mar. 1944. 448.8 P21
- 24968 CARNEVALE, J. A. El cuidado de los frutales. XI. Las cochinillas. Pampa Argentina 18(198): 8. Feb. 1944. 9 F19  
*Mesolecanium delatae*.
- 24969 CHINCH bugs, *Blissus leucopterus*, as lawn pests. Lawn Care 17(80): 1-3. 1944. 60.18 L42
- 24970 COX, J. A. Sprays of 2,4-dinitro-6-cyclohexylphenol for control of the white apple leafhopper (*Typhlocyba pomaria*). (Sci. note.) Jour. Econ. Ent. 37: 106. Feb. 1944. 421 J822
- 24971 DELONG, D. M. The Mexican species of *Phlepsius* (Homoptera: Cicadellidae). Wash. Ent. Soc. Proc. 46: 85-94. Apr. 1944. 420 W27  
Seven new spp.; *Phlepsius* (*Tropicatus*) n. sgen.
- 24972 DELONG, D. M. A new species of *Plummerella* (*P. lineata*) (Homoptera, Cicadellidae) from Mexico. Ent. Soc. Amer. Ann. 37: 68-69. Mar. 1944. 420 En82
- 24973 DOUGLASS, J. R., DORST, H. E., and PEAY, W. E. Beet leafhopper (*Eutettix tenellus*), populations in southern Idaho and northern Utah during the seasons of 1940 and 1941. Amer. Soc. Sugar Beet Technol. Proc. 3: 438-451. 1943. 66.9 Am35



- 24974 DRAKE, C. J., and HAMBLETON, E. J. Concerning Neotropical Tingitidae (Hemiptera). Wash. Acad. Sci. Jour. 34: 120-129. Apr. 15, 1944. 500 W276J  
New spp. and forms in: Phatnoma; Teleonemia 5; Corycera; Amblystira; Atheas; Tigava; Campylotingis; Leptodictya; Plesiohyrsa; Gargaphia; Leptopharsa; Stephanitis. New genera: Stenocader; Dyspharsa.
- 24975 DRAKE, C. J., and POOR, M. E. Fijian Tingitidae (Hemiptera). Bernice P. Bishop Mus. Occas. Papers 17: 191-205. Mar. 10, 1943. 500 B450  
New spp. and forms in: Cysteochoila; Aulotingis n.g.; Corythotingis; Idiocysta 4; Nesocypselas 3; Holophygdon.
- 24976 DRAKE, C. J. and HAMBLETON, E. J. Four new American Tingitidae (Hemiptera). Wash. Ent. Soc. Proc. 46: 94-96. Apr. 1944. 420 W27  
New spp. in: Amblystira; Plesiohyrsa; Gargaphia; Corythucha.
- 24977 DURAN, J. J. Escamas [Coccidae] de los frutales. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. (Ser. 2) 53, 8 p. n. d. 102 C492
- 24978 FOX, D. E. Beet-leafhopper [Eutettix tenellus], populations on various types of russian-thistle stands. (Abs.) Amer. Soc. Sugar Beet Technol. Proc. 3: 465. 1943. 66.9 Am35
- 24979 FULTON, R. A., BUSBEY, R. L., and YUST, H. R. Toxicity of nitroparaffins and chlorinated nitroparaffins to California red scale [Aonidiella aurantii], and their effect on lemon fruits. (Sci. note.) Jour. Econ. Ent. 37: 117. Feb. 1944. 421 J822
- 24980 KNOWLTON, G. F. Pentatomidae eaten by Utah birds. (Sci. note.) Jour. Econ. Ent. 37: 118-119. Feb. 1944. 421 J822
- 24981 KNULL, D. J. A Californian Acinopterus [A. morongoensis n. sp.] (Homoptera: Cicadellidae). Ent. News 55: 62-63. Mar. 1944. 421 En85
- 24982 KNULL, D. J. Nomenclatorial notes on Cicadellidae. Ent. Soc. Amer. Ann. 37: 123. Mar. 1944. 420 En82  
Macropsis breakeiana n. n. for M. breakeyi Knull, not Merina; Erythroneura perplexa n. n. for E. ordinaria Knull & Auten, not Ribaut; Erythroneura tithide var. nudista n. n. for E. tithide var. nudata Ribaut, not E. nudata McAtee.
- 24983 LINDGREN, D. L., LADUE, J. P., and DOW, DORIS. "Mystery insecticide" studies; remarkable results obtained in DDT experiments on red scale [Aonidiella aurantii]. Citrus Leaves 24(4): 6-7. 30. Apr. 1944. 80 C492
- 24984 LINDGREN, D. L., and BOYCE, A. M. Results with dichloro-diphenyl-trichloroethane in control of the California red scale [Aonidiella aurantii]. (Sci. note.) Jour. Econ. Ent. 37: 123-124. Feb. 1944. 421 J822
- 24985 \*LINDINGER, L. Verzeichnis der schildlausgattungen, 1. Nachtrag. (Homoptera Coccoidea). (To be cont.) Wien. Ent. Gesell. Ztschr. 28: 205-208, 217-224. July 15, Aug. 15, 1943. 421 Os7  
Acanthococcus to Ceroplastes (July); Cerrococcus to Protopulvinaria (Aug.).
- 24986 MCKENZIE, H. L. Miscellaneous Diaspid scale studies (Homoptera; Coccoidea; Diaspididae) Calif. Dept. Agr. Bul. 33(1): 53-59. Jan./Mar. 1944. 2 C12M  
New spp in: Hemiberlesia; Melanaspis; "Protodiaspis"; Host plants of Chrysomphalus bifasciculatus.
- 24987 ROMNEY, V. E. The beet leafhopper [Eutettix tenellus], as a pest of beets grown for seed. Amer. Soc. Sugar Beet Technol. Proc. 3: 466-468. 1943. 66.9 Am35
- 24988 THURMAN, D. C., JR. The biology of Triatoma neotomae Neiva in Texas. (Sci. note.) Jour. Econ. Ent. 37: 116-117. Feb. 1944. 421 J822
- 24989 TUTHILL, L. D. Descriptions and records of some Fijian Psyllidae (Homoptera). Bernice P. Bishop Mus. Occas. Papers 17: 221-228. Dec. 1, 1943. 500 B450  
New species in: Paurocephala; Trioza 2; Megatrioza 3; Leuronota; Papiana.
- 24990 YORK, G. T. Food studies of Geocoris spp., predators of the beet leafhopper [Eutettix tenellus]. Jour. Econ. Ent. 37: 25-29. Feb. 1944. 421 J822
- 24991 YUST, H. R., NELSON, H. D., and BUSBEY, R. L. Factors influencing protective stupefaction of the California red scale [Aonidiella aurantii], with HCN. Jour. Econ. Ent. 37: 57-61. Feb. 1944. 421 J822  
Experimental pre-fumigation with a low concentration of HCN before use of regular concentration.

## HYMENOPTERA

- 24992 BEQUAERT, J. The genus Eumenes in the Dominion of Canada (Hymenoptera, Vespidae). Nat. Canad. 71: 75-88. Mar./Apr. 1944. 410 N216  
E. coloradensis stricklandi n. var. (or ssp.); E. verticalis neoboreus n. var. (or ssp.).
- 24993 \*BLÜTHGEN, P. Neue paläarktische Eumenesarten oder -rassen. (Hym., Vespidae, Eumeninae). München. Ent. Gesell. Mitt. 33: 297-306. Apr. 1943. 420 M922  
Five new spp. and ssp.
- 24994 BRIGGS, GLEN. Let ants do the work. Farm and Ranch 63(4): 26-27. Apr. 1944. 6 T31  
Large quantities of buffalo grass seed quickly collected from ant hills.
- 24995 DE BACH, PAUL. Environmental contamination by an insect parasite and the effect on host selection. Ent. Soc. Amer. Ann. 37: 70-74. Mar. 1944. 420 En82  
Tests with Mormoniella vitripennis and Musca domestica pupae.
- 24996 DONISTHORPE, HORACE. A new subgenus [Mordellidris] and three new species of Polyrhachis F. Smith (Hym., Formicidae). Ent. Monthly Mag. 80: 64-66. Mar. 1944. 421 En86
- 24997 DONISTHORPE, HORACE. Notes arising out of Mr. W. D. Hincks's review of Mr. Donisthorpe's 'A list of the type-species of the genera and subgenera of the Formicidae.' Ent. Monthly Mag. 80: 59. Mar. 1944. 421 En86  
Hincksidris n. n. for Decamera Roger, 1863, not Mul-sant, 1842. Karawajewella n. n. for Diabolus Karawajew, 1926, and Wheeler, 1936, not Gray, 1941.
- 24998 FIGUEIREDO JOR., E. R. DE, and LIMA, LEO-POLDO. Notas fito-sanitarias. IV. Bruchophagus gibbus (Boh.) parasito da semente da alfalfa. São Paulo (State). Sec. de Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 307-316. 9.2 Sa63
- 24999 FINNEY, G. L., FLANDERS, S. E., and SMITH, H. S. The potato tuber moth [Gnorimoschema operculella] as a host for mass production of Macrocentrus ancyllivorus. Jour. Econ. Ent. 37: 61-64. Feb. 1944. 421 J822
- 25000 FLANDERS, S. E. Observations on Prospaltella perniciosi and its mass production. (Sci. note.) Jour. Econ. Ent. 37: 105. Feb. 1944. 421 J822
- 25001 LINSLEY, E. G. A revision of the genus Gnathopasites (Hymenoptera: Nomadidae). Amer. Ent. Soc. Trans. 69: 141-149. Dec. 1943. 420 P53  
New species are: G. sierrae; G. timberlakei; G. mojaviensis.
- 25002 \*LOHRMANN, ERNST. Die grabwespengruppe der stizinen. Überschau und stammesgeschichte. München. Ent. Gesell. Mitt. 33: 188-208. Apr. 1943. 420 M922  
Stizus arnoldi n. n. for S. pubescens Arnold.



25003 MICHENER, C. D. Comparative external morphology, phylogeny, and a classification of the bees (Hymenoptera). Amer. Mus. Nat. Hist. Bul. 82: 151-326. Apr. 10, 1944. Ref., p. 221-225, 299-301. 500 N483B

Partial contents: External morphology of *Anthophora edwardsii* Cresson, p. 158-199; Comparative external morphology of the bees, p. 200-221; Phylogeny of the bees, p. 226-234; A classification of the bees, p. 235-293; Artificial key to the genera of bees of America north of Mexico, p. 293-298.

25004 PICKLES, W. The territory and activities of the Algerian ant *Cataglyphus bicolor* F. s.-sp. *megalocola* Först. Ent. Monthly Mag. 80: 61-63. Mar. 1944. 421 En86

25005 SCHNEIRLA, T. C. A unique case of circular milling in ants, considered in relation to trail following and the general problem of orientation. Amer. Mus. Nat. Hist. Amer. Mus. Novitates, 1253, 26 p. Apr. 8, 1944. Ref. 500 N483N

25006 SMITH, M. R. The ants of the genus *Thaumatomyrmex* Mayr with the description of a new Panamanian species *T. zeteki*, (Hymenoptera: Formicidae). Wash. Ent. Soc. Proc. 46: 97-99. Apr. 1944. 420 W27

25007 STELFOX, A. W. Notes on some Irish species of Rogas (Hym., Braconidae). Ent. Monthly Mag. 80: 68-69. Mar. 1944. 421 En86

25008 STELFOX, A. W. On the specific identity of *Phaenocarpa nimia* Stelfox, ♂, with *Phaenocarpa eunice* (Hal.), ♀ (Hym., Alysidae). Ent. Monthly Mag. 80: 69. Mar. 1944. 421 En86

25009 WEBER, N. A. The Neotropical coccid-tending ants of the genus *Acropyga* Roger. Ent. Soc. Amer. Ann. 37: 89-122. Mar. 1944. 420 En82

Includes ten new spp.

See also Apiculture and *Apis mellifera*.

#### ISOPTERA

25010 FRUTOS, NATALICIO. El combate a las termitas (cupi-i). Paraguay. Min. de Agr. Cartilla Agropecuaria, No. 59/60, p. 17-18. Sept./Oct. 1943. 9.7 Ec72

25011 HATFIELD, IRA. Research tests on soil-poisoning chemicals for the control of subterranean termites. Pests 12(3): 10-14. Mar. 1944. 449.8 Ex8

25012 KELSEY, J. M. A new termite, *Calotermes* (*Calotermes*) *curvithorax* n. sp., from Canton Island, in the Phoenix group, Pacific Ocean. New Zeal. Jour. Sci. and Technol. 25 (Sect. B): 45-53. Sept. 1943. 514 N48B

#### LEPIDOPTERA

25013 \*ALBERS, TH. Die männlichen genitalarmaturen der *Cidaria variata*-gruppe. Wien. Ent. Gesell. Ztschr. 28: 209-214. Aug. 15, 1943. 421 Os7

25014 \*ALBERTI, B. Die systematische stellung der *Thyrina elegans* Poujade (Lep. Zygaenidae). München. Ent. Gesell. Mitt. 33: 242-244. Apr. 1943. 920 M922

25015 ATWOOD, C. E. The feeding habits of young spruce budworm [*Archips fumiferana*] larvae. Canad. Ent. 76: 64-66. Mar. 1944. 421 C16

25016 AUBER, LUDWIG, and RAYMONT, J. E. G. Water contents of last-stage larvae, pupae, and adults of the meal moth [*Plodia kuehniella*]. Nature [London], 153: 314. Mar. 11, 1944. 472 N21

25017 AYERS, J. S. Your corn-borer [*Pyrausta nubilalis*], battle map. Successful Farming 42(4): 19, 60-61. Apr. 1944. 6 Su12

25018 BALD, J. G., and HELSON, G. A. H. Estimation of damage to potato foliage by potato moth, *Gnorimoschema operculella* (Zell.). Austral. Council Sci. and Indus. Res., Jour. 17(1): 30-48. Feb. 1944. 514 Au72J

25019 BISSELL, T. L. Armyworms [*Cirphis unipuncta*, *Laphygma frugiperda*] in Georgia. (Sci. note.) Jour. Econ. Ent. 37: 112-113. Feb. 1944. 421 J822

25020 BROWN, F. M. Notes on Mexican butterflies, II, Pieridae. N. Y. Ent. Soc. Jour. 52: 99-119. Mar. 1944. 420 N48J

25021 \*BRYK, FELIX. Neue tibetanische parnassier aus dem Reichsmuseum König (Lep.). München. Ent. Gesell. Mitt. 33: 26-33. Apr. 1943. 420 M922

New forms in: *Parnassius* 4; *Koranius* 5; *Tadumia*; *Eukoranius*.

25022 BULLOCK, D. S. Una mariposa nocturna (*Meliana albilinea* Hbn.) perjudicial al trigo y otros cereales. Union Agr. del Sur 1(4/5): 41-44. May 1943. 9.3 Un3

25023 \*BURMANN, KARL. Kleinfalter im hohen kalkgerölle und auf berggraten des Karwendels. Wien. Ent. Gesell. 28: 201-204. July 15, 1943. 421 Os7

25024 CARMAN, G. E., and FLESCHNER, C. A. Laboratory tests on the oriental fruit moth [*Grapholitha molesta*] with special reference to DDT. (Sci. note.) Jour. Econ. Ent. 37: 122-123. Feb. 1944. 421 J822

25025 CLENCH, H. K. Two new subspecies of *Everes comyntas* Godart (Lepidoptera, Lycaenidae). N. Y. Ent. Soc. Jour. 52: 59-61. Mar. 1944. 420 N48J

25026 \*DANIEL, FRANZ. Beiträge zur kenntnis der Arctiidae Ostasiens unter besonderer berücksichtigung der ausbeuten H. Höne's aus diesem gebiet. (Lep. Het.) I. Teil: Callimorphinae und Nyctemerinae. München. Ent. Gesell. Mitt. 33: 247-269. Apr. 1943. 420 M922

Includes *Callimorpha lenzeni* n. sp.

25027 DICKE, F. F., and BARBER, G. W. Husk characters of field corn in relation to feeding by birds on earworms [*Heliothis armigera*]. (Sci. note.) Jour. Econ. Ent. 37: 119-120. Feb. 1944. 421 J822

25028 DICKINSON, B. C., and WITMAN, E. D. The relative effectiveness of two types of arsenate of lead used to control the codling moth [*Carpocapsa pomonella*]. Jour. Econ. Ent. 37: 43-46. Feb. 1944. 421 J822

25029 DRIGGERS, B. F. Performance of dichlorodiphenyl trichloroethane (DDT) used against the oriental fruit moth [*Grapholitha molesta*]. (Sci. note.) Jour. Econ. Ent. 37: 120-121. Feb. 1944. 421 J822

25030 FAURE, J. C. Phase variation in the army worm, *Laphygma exempta* (Walk.). Union So. Africa Dept. Agr. and Forestry. Sci. Bul. 234, 17 p. Pretoria, 1943. (Agr. Res. Inst. Ser. 3) 24 So84S

25031 FLUKE, C. L. Codling moth [*Carpocapsa pomonella*] control. Wis. Hort. 35: 171. Apr. 1944. 80 W752

25032 FONSECA, PAULO. Lagartas nocivas aos arrozais e capinzais [*Laphygma frugiperda*]. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 41) 1940: 671-675. 9.2 Sa63

25033 FORBES, W. T. M. Lepidoptera from western Peru and Ecuador. N. Y. Ent. Soc. Jour. 52: 75-83. Mar. 1944. 420 N48J

*Arsenura harrietae* n. sp.; *Monodes convexa* n. sp.; *Dichochroma muralis* n. g., n. sp.

25034 \*FORSTER, WALTER. Neue Limnitis-formen aus Westchina. Wien. Ent. Gesell. Ztschr. 28: 125-129. May 15, 1943. 421 Os7

Four new spp. described.

25035 FREEMAN, H. A. A new form of *Hesperia metea* Scudder [*H. m. belfragei*] from Texas (Lepidoptera Hesperidae). Field and Lab. 12: 20. Jan. 1944. 470 F46



- 25036 \*FRUIT-PIERCING moths. Ceylon. Dept. Agr. Leaflet 186, 2 p. Peradeniya, 1941. 22.5 033L  
Colored plate of *Othreis fullonia*, the most common species.
- 25037 FULTON, B. B. Earworms [*Heliothis armigera*; and shatterworms [*Platygygia frugiperda*]. Res. and Farming. Prog. Rpt. [W. C. Sta.] 2(1): 11. Jan. 1944. 100 N81R
- 25038 \*GEIGY, R., and LÜSCHER, M. Imaginale bein-doppelbildungen nach ultraviolett-bestrahlung von schmetterlingseiern (*Tineola biselliella* [i.e. *bisselliella*; Hum.]. Rev. Suisse de Zool. 49: 206-210. July 1942. 410 R324
- 25039 HASTINGS, ELLSWORTH, and PEPPER, J. H. The fatty materials in diapausing codling moth larvae (*Carpocapsa pomonella* L.). Arch. Biochem. 4(1): 89-96. Apr. 1944. 381 Ar2
- 25040 HAYWARD, K. J. Estudios sobre hesperidos neotropicales (Lep. Hesp.). I. Sobre la simonimia y organos genitales de ciertas especies del genero "Dalla" Mabille. Acta Zool. Lilloana 1: 45-53. 1943. 410 Ac82
- 25041 \*HIRSCHLER, J. Zur frage nach der bezieh-ung des Golgi-apparates zu der rubrophilen substanz (vacuom), zugleich ein beitrage zur physiologie der indirekten zellteilung. Protoplasma 37: 213-243. 1943. 442.8 P94  
Studies made on *Macrothylacia rubi*, *Dasychira sele-nitica* and *Phalera bucephala*.
- 25042 \*HOLIK, O. Neue rassen und formen von *Zy-gaena meliloti* Esp. Wien. Ent. Gesell. Ztschr. 28: 131-135. May 15, 1943. 421 Os7
- 25043 \*HOLIK, OTTO. Beiträge zur kenntnis der zygaenen Südosteuropas. (Lep.). IV. München. Ent. Gesell. Mitt. 33: 306-343. Apr. 1943. 420 M922  
Four new forms.
- 25044 HOUGH, W. S. Codling moth [*Carpocapsa pomonella*]; control. Use of nicotine to destroy the moth stage. Amer. Fruit Grower 64(4): 8, 26. Apr. 1944. 80 G85
- 25045 HOUGH, W. S. Development and characteris-tics of vigorous or resistant strains of codling moth [*Carpocapsa pomonella*]. (Abs.) Va. Acad. Sci. Proc. (1942/1943) 21: 39-40. 500 V81
- 25046 HOVANITZ, WILLIAM. The nomenclature of the *Colias chrysotheme* complex in North America (Lepi-doptera, Pieridae). Amer. Mus. Nat. Hist. Amer. Mus. Novitates 1240, 4 p. July 30, 1943. 500 N483N
- 25047 \*KAUTZ, HANS. Neue modifikationen und ab-arten von *Pieris bryoniae* O. und *Pieris napi* L. Wien. Ent. Gesell. Ztschr. 28: 129-131. May 15, 1943. 421 Os7
- 25048 KOHLER, P. E. Las trampas en el control de mariposas nocturnas. Unión Agr. del Sur 1(2/3): 39-40. Mar. 1943. 9.3 Un3  
Particularly important in the control of *Carpocapsa pomonella* and *Grapholitha molesta*.
- 25049 LLOYD, N. C. Dusting seed potatoes to protect them from moth [*Gnorimoschema operculella*]; attack. Agr. Gaz. N. S. Wales 55: 69. Feb. 1, 1944. 23 N472
- 25050 \*LUNAK, ROBERT. Interessante und unge-klärte biologien. Wien. Ent. Gesell. Ztschr. 28: 214-216. Aug. 15, 1943. 421 Os7  
*Cosmia* (*Xanthia*) *cypreago* Hps.; *Crymodes* (*Luperina*) *bischoffi* H. S.; *Crocallis boisduvalaria* Luc.; *Seli-dosema ambustaria* H. G.; *Chariclea victorina* Sodof.; *Phibalapteryx lapidata* Hb.
- 25051 MCDUNNOUGH, J. The palmeta group of the genus *Eupithecia* with notes and descriptions (Lepidop-tera, Geometridae). Canad. Ent. 76: 45-56. Mar. 1944. 421 C16  
Includes eight new spp.
- 25052 MACKIE, D. C. One year with the oriental fruit moth [*Grapholitha molesta*]. Calif. Dept. Agr. Bul. 33(1): 4-17. Jan./Mar. 1944. 2 C12M
- 25053 MARSHALL, G. E. Advances in codling moth [*Carpocapsa pomonella*] control and costs using the new [spray] schedules. Amer. Fruit Grower 64(4): 12. Apr. 1944. 80 G85  
Includes table which belongs with author's article in Amer. Fruit Grower 64(2): 12, 24, 35. Feb. 1944.
- 25054 \*MARTEN, W. *Macrothylacia rubi* L. und digramma M. W. in Spanien und Marokko. Wien. Ent. Gesell. Ztschr. 28: 177-186. July 15, 1943. 421 Os7
- 25055 \*MENHOFER, HERBERT. Bericht über lepidop-terologische aufsammlungen an der französischen Atlan-tik-küste. Beschreibung der *Bucculatrix diffusella* spec. nov. Wien. Ent. Gesell. Ztschr. 28: 231-240. Aug. 15, 1943. 421 Os7
- 25056 \*MENHOFER, HERBERT. Ein weiterer beitrage zur verbreitung der gattung *Cosymbia*. Die verbreitung der *Cosymbia orbicularia* Hbn. (Lep. Geom.). Wien. Ent. Gesell. Ztschr. 28: 186-196. July 15, 1943. 421 Os7
- 25057 NEL, R. I. The validity of the bait-trap method of spray timing in codling moth [*Carpocapsa pomonella*]; control. Union So. Africa. Dept. Agr. and Forestry. Ent. Mem. 2: 55-76. 1940. Ref. 423.92 So8
- 25058 \*NUESCH, H. Über reduktionserscheinungen bei schmetterlingen. (Vorläufige mitteilung.) Rev. Suisse de Zool. 50: 295-299. June 1943. 410 R324
- 25059 \*OBRAZTSOV, N. Lepidopterologische ergeb-nisse der Pamir-expedition des Kiewer Zoologischen Museums im jahre 1937. III. Tortricidae. München. Ent. Gesell. Mitt. 33: 85-108. Apr. 1943. Ref. 420 M922  
New spp. and forms in: *Pandemis*; *Hysterothra*; *Eug-nosta* 2; *Euxanthia*; *Pantoturanian* n. g.; *Aphania*; *Epiblema*; *Phaneta*; *Laspeyresia*. *Phtheochroides* n. g. *Brevisociaria* n. g. and *Cocsaethes* n. subg. in *Lozo-pera* described.
- 25060 LA ORUGA del zapallo y de otras curcubita-ceas. Paraguay. Min. de Agr. Cartilla Agropecuaria, No. 59/60, p. 13-15. Sept./Oct. 1943. 9.7 Ec72  
*Diaphania nitidalis*, *D. hyalinata*.
- 25061 PESCOTT, R. T. M. The potato moth [*Gnorimoschema operculella*]. Victoria. Dept. Agr. Jour. 42: 57-58. Feb. 1944. 23 V66J
- 25062 LA POLILLA de la manzana y de la nuez (*Carpocapsa pomonella*, Linn.). Unión Agr. del Sur 1(8): 59. Nov. 1943. 9.3 Un3
- 25063 \*ROMANISZYN, J. Eine beobachtung an *Lime-nitis populi* L. (Lepid.). Wein. Ent. Gesell. Ztschr. 28: 199-201. July 15, 1943. 421 Os7
- 25064 ROZEIRA, ARNALDO. A procissionária (*Taume-topoea pityocampa* Schiff.). Naturalia 3: 88-90. Jan./June 1939. 475 N21
- 25065 \*SCHAWERDA, KARL. Über "*Crino sylvatica* Bellier". (Lep. Noct.). München. Ent. Gesell. Mitt. 33: 239-241. Apr. 1943. 420 M922  
*C. sylvatica bellieri* n. var.
- 25066 SCHREITER, RODOLFO. Notas entomo-biologi-cas y otras. Acta Zool. Lilloana 1: 7-44. 1943. 410 Ac82  
Notes on insect migration, and on the larvae and pupae of numerous members of the Lepidoptera, with 26 plates (three in color). Prepared for publication by K. J. Hayward.
- 25067 \*SHELJUZHKO, LEO. Lepidopterologische er-ggebnisse der Pamir-expedition des Kijever Zoologisch-en Museums im jahre 1937. I-II. München. Ent. Ge-sell. Mitt. 33: 58-85. Apr. 1943. 420 M922  
Contents: I. Reisebericht, p. 58-74. II. Neue lepidopteren aus dem westlichen Pamir, p. 75-85. New spp. and forms in: *Melitaea*; *Dasychira*; *Sphacia*; *Syn-anthodon*; *Chamaesphacia*; *Cossulinus*; *Catopta*; *Phrag-mataecia*.



- 25068 SMITH, L. M., and SMITH, G. L. The twig borer [*Anarsia lineatella*] on almonds. Almond Facts 8(2): 1, 3. Mar./Apr. 1944. 280.28 A162
- 25069 SNAPP, O. I. The effect on peach trees of ethylene dichloride used for control of the peachtree borer [*Sanninoidea exitiosa*]. Jour. Econ. Ent. 37: 47-51. Feb. 1944. 421 J822
- 25070 SORENSON, C. J. Spring control of the peach tree borer [*Sanninoidea exitiosa*]. Utah Farmer 63(16): 6. Apr. 10, 1944. 6 D45
- 25071 STEINER, L. F., ARNOLD, C. H., and SUMMERLAND, S. A. The development of large differences in the ability of local codling moths [*Carpocapsa pomonella*] to enter sprayed apples. Jour. Econ. Ent. 37: 29-33. Feb. 1944. 421 J822
- 25072 \*TOLL, S. G. VON. Studien über die genitalien einiger coleophoriden, V. Wien. Ent. Gesell. Ztschr. 28: 225-231. Aug. 15, 1943. 421 Os7
- 25073 \*WARNECKE, G. Die bisher bekannt gewordene verbreitung der *Larentia cambrica* Curt. in Mitteleuropa (Lep. Geom.). München. Ent. Gesell. Mitt. 33: 164-169. Apr. 1943. 420 M922
- 25074 \*WARNECKE, GEORG. Grossschmetterlinge aus dem mittleren Donezgebiet 1942. Wien. Ent. Gesell. Ztschr. 28: 115-118. May 15, 1943. 421 Os7
- 25075 \*WARNECKE, GEORG. Hinweise auf das faunistische schrifttum über die grossschmetterlinge des südöstlichen europäischen Russland. Wien. Ent. Gesell. Ztschr. 28: 120-125. May 15, 1943. 421 Os7
- 25076 \*WARNECKE, GEORG. Die systematische stellung der *Cidaria oxybiata* Mill. (Lep. Geom.). Wien. Ent. Gesell. Ztschr. 28: 118-119. May 15, 1943. 421 Os7
- 25077 \*WARNECKE, GEORG. Was ist *Diacrisia sanio* L. var. *caucasica* Schap. (Lep. Arct.)? Wien. Ent. Gesell. Ztschr. 28: 204-205. July 15, 1943. 421 Os7
- 25078 \*WENZEL, G. Zum aufsatz: "Über die vermutliche abstammung des *Celerio* hybr. pauli Mory" von E. Wladasch. Wien. Ent. Gesell. Ztschr. 28: 140-143. May 15, 1943. 421 Os7
- 25079 WHITTAKER, ROBERT, and STALLINGS, D. B. Notes on seasonal variation in Lepidoptera. (To be cont.) Ent. News 55: 67-71. Mar. 1944. 421 En83  
*Eurema* discussed.
- 25080 WOODSIDE, A. M. Worms [*Carpocapsa pomonella*] are harder to control in the tree tops. Va. Fruit 32(4): 14, 16. Apr. 1944. 81 V81B
- 25081 \*ZERNY, H. Eine falterausbeute aus Sizilien. II. Teil mikrolepidopteren. Wien. Ent. Gesell. Ztschr. 28: 135-140. May 15, 1943. 421 Os7  
*Grambus nebrodellus* n. sp.; *C. pseudotristellus* n. sp.; *C. aetnellus* n. sp.
- 25082 \*ZOPF, J. Hilfsmittel gegen schimmelbildung bei raupenzucht in gläsern. Wien. Ent. Gesell. Ztschr. 28: 205. July 15, 1944. 421 Os7  
*Smerinthus ocellata*.
- See also Sericulture and the Silkworm.
- 25085 CHAGNON, GUSTAVE. Contribution à l'étude des orthoptères et des dermaptères du Québec. (Cont.) Nat. Canad. 71: 54-74. Mar./Apr. 1944. 410 N216  
Acrididae.
- 25086 FAURE, J. C., and JACOT-GUILLARMOD, C. F. Field experiments on poison bait against hoppers of the red locust [*Nomadacris septemfasciata*]; 1936-1937. Union So. Africa. Dept. Agr. and Forestry. Sci. Bul. 211 (Locust Res. Ser. 7), 52 p. Pietermaritzburg, 1940. 24 So84S
- 25087 GILBERTSON, GEORGE. The grasshopper situation. South Dakota. Dakota Farmer 64: 174. Apr. 22, 1944. 6 D14
- 25088 GINSBURG, J. M. Toxicity of DDT to *Blattella germanica*, as compared with sodium fluoride, derris and pyrethrum. (Sci. note.) Jour. Econ. Ent. 37: 122. Feb. 1944. 421 J822
- 25089 GOULD, G. E. Replacements materials for roach control. Soap and Sanit. Chem. 19(8): 90-93. Aug. 1943. 307.8 Sol2
- 25090 HOUSEHOLD pests; exterminators enlist entomology to find better ways to kill bugs. Life 16 (10): 67-68, 70, 72. Mar. 6, 1944. 280.8 L62  
Illustrations of cockroaches and other pests.
- 25091 ISELY, F. B. Correlation between mandibular morphology and food specificity in grasshoppers. Ent. Soc. Amer. Ann. 37: 47-67. Mar. 1944. Ref. 420 En82
- 25092 LA RIVERS, IRA. A summary of the Mormon cricket (*Anabrus simplex*) (Tettigoniidae: Orthoptera) (To be cont.) Ent. News 55: 71-77. Mar. 1944. 421 En86
- 25093 LIEBERMANN, JOSÉ. Hacia la solución de un gran problema sudamericano: la langosta. Interpretación de la periodicidad de las migraciones acridicas. Camoesina, Santiago, 76: 88-92. Feb. 1944. 9.3 Sol2
- 25094 \*MORENO MARQUEZ, VICTOR. La méthode des plaques métalliques contre les sauterelles. Fruits et Primeurs de l'Afrique du Nord 14: 3-6. Jan. 1944. 80 F9482
- 25095 NEW SYNTHETIC found deadly to roaches. Drug, Vitamin and Allied Indus. 30(4): 10. Apr. 1944. 396.8 St2  
Lethane A-70.
- 25096 REHN, J. A. G. Critical notes on and descriptions of American steiroidont katyids (Orthoptera, Tettigoniidae, Phaneropterinae). Pt. I. Amer. Ent. Soc. Trans. 69: 159-169. Dec. 1943. 420 P53  
New species: *Phyllolophus ponderosus*; *P. alfaroi*; *P. ganymedes*. *Phyllolophus* n. n. for *Steiroidon*.
- 25097 TODD, A. C. On the development and hatching of the eggs of *Hammerschmidtella diesingi* and *Leidynema appendiculatum*, nematodes of roaches [*Periplaneta americana* and *Blatta orientalis*]. Amer. Micros. Soc. Trans. 63: 54-67. Jan. 1944. 440.9 Am33
- 25098 UVAROV, B. P. The locust plague. Jour. Econ. Ent. 37: 93-99. Feb. 1944. 421 J822
- 25099 VRYDAGH, J. M. Un insecte curieux: "*Hemimerus* sp.," parasite des rats "*Cricetomys emini*." Soc. de Bot. et de Zool. Congolaises. Bul. 4(1): 10-12. Mar. 1941. 410.9 Z7

## ORTHOPTERA

25083 \*BODENHEIMER, F. S. Studies on the ecology and control of the Moroccan locust (*Dociostaurus maroccanus* in Iraq. I. Iraq. Min. Econ. Dir. Gen. Agr. Bul. 29, 121 p. Baghdad, 1944. Ref. 22.5 M562Ag

25084 BUTCHER, F. G. The grasshopper situation. North Dakota. Dakota Farmer 64: 174. Apr. 22, 1944. 6 D14

## SERICULTURE AND THE SILKWORM

25100 GARCÍA MATA, ENRIQUE. La colaboración del laboratorio de bacteriología de la Dirección de Ganadería con la División de Sericultura - Ministerio de Agricultura de la nación. Campo, Buenos Aires, 28(327): 60-61. Jan. 1944. 9 G15  
Pébrine in silkworms and the causal organism, *Notema bombyces*.



## SMALLER ORDERS

- 25101 \*\*BIERBRODT, ERIKA. Der larvenkopf von *Panorpa communis* L. und seine verwandlung, mit besonderer berücksichtigung des gehirns und der augen. Zool. Jahrb. Abt. f. Anat. u. Ontog. Tiere 68: 49-136. 1942.  
Abs. in Biol. Abs. 18: 7680. Apr. 1944. 442.8 B526
- 25102 BROADHEAD, E., and HOBBY, B. M. Studies on a species of *Liposcelis* (Corrodentia, Liposcelidae) occurring in stored products in Britain. Part I. (Concl.) Ent. Monthly Mag. 80: 49-59. Mar. 1944. Ref. 421 En86  
*L. granicola* n. sp.
- 25103 DDT [dichloro-diphenyl-trichloroethane]. (Editorial.) Amer. Jour. Pub. Health 34: 385. Apr. 1944. 449.9 Am3J  
Army's use against louse-borne typhus.
- 25104 \*EICHLER, WOLFDIETRICH. Mallophagen-synopsis. IX. Genus *Holomenopon*. München. Ent. Gesell. Mitt. 33: 236-239. Apr. 1943. 420 M922  
*H. cairinae* n. sp.; *H. clypeilargum* n. sp.; *H. concii* n. sp.
- 25105 FERGUSON, ALICE. The nymph of *Enallagma basidens* Calvert (Odonata, Coenagrionidae). Field and Lab. 12: 19. Jan. 1944. 470 F46
- 25106 FRISON, T. H. Three new species of *Capnia* from Colorado (Plecoptera: Capniidae). Amer. Ent. Soc. Trans. 69: 151-157. Dec. 1943. 420 P53  
*C. vanica*; *C. barbata*; *C. limata*.
- 25107 GISIN, HERMANN. Materialien zur revision der collembolen. I. Neue und verkannte isotomiden. Rev. Suisse de Zool. 49: 283-298. Sept. 1942. Ref. 410 R324  
*Isotomiella paraminor* n. sp.
- 25108 \*GISIN, HERMANN. Ökologie und lebensgemeinschaften der Collembolen im schweizerischen exkursionsgebiet Basels. Rev. Suisse de Zool. 50: 131-224. Feb. 1943. Ref. p. 217-224. 410 R324
- 25109 \*GRELL, K. G. Der genitalapparat von *Panorpa communis* L. (Ein weiterer beitrag zur anatomie und histologie der mecopteren). Zool. Jahrb. Abt. f. Anat. u. Ontog. Tiere 67: 513-588. 1942.  
Abs. in Biol. Abs. 18: 7682. Apr. 1944. 442.8 B526
- 25110 \*HANDSCHIN, EDUARD. Collembolen aus Palästina, nebst einem beitrag zur revision der gattung *Cyphoderus*. Rev. Suisse de Zool. 49: 401-450. Dec. 1942. Ref. 410 R324
- 25111 HUBBARD, C. A. American pocket mouse fleas, with one new species [*Meringis jamesoni*]. Pacific Univ. Bul. 39(9): 1-2. June 1943. 428.5 HB6
- 25112 HUBBARD, C. A. The fleas of California, with checklists of the fleas of Oregon - Washington - British Columbia - Alaska - Idaho - Nevada - Arizona. Pacific Univ. Bul. 39(8): 1-12. July 1943. 428.5 HB6
- 25113 HUBBARD, C. A. Our western giant pocket gopher fleas [*Dactylopsylla* (*Dactylopsylla*)] and their small relatives the foxellas [*D.* (*Foxella*)]. A new subgenus - two new species [*D.* (*Foxelloides*) *pacifica* and *D.* (*F.*) *bottaceps*]. The allotype male of *D. comis*. Pacific Univ. Bul. 40(2): 1-8. Dec. 1943. 428.5 HB6
- 25114 HUBBARD, C. A. Three new fleas from Kansas. Pacific Univ. Bul. 39(10): 1-2. July 1943. 428.5 HB6  
*Monopsyllus exilis kansensis* n. sp.; *Thrassis princei* n. sp.; *Orchopeas sexdentatus intermedius* n. sp.
- 25115 JENKINS, C. F. H. Thrips, and their relation to spotted wilt and other plant injury. West. Austral. Dept. Agr. Jour. 20: 272-275. Dec. 1943. 23 W52J
- 25116 LATTA, RANDALL. Methyl bromide fumigation for the delousing of troops. (Sci. note.) Jour. Econ. Ent. 37: 103. Feb. 1944. 421 J822
- 25117 MCGREGOR, E. A. Toxicity of anabasine to the citrus thrips [*Scirtothrips citri*]. Jour. Econ. Ent. 37: 78-80. Feb. 1944. 421 J822
- 25118 MOULTON, DUDLEY. Thysanoptera of Fiji. Bernice P. Bishop Mus. Occas. Papers 17: 267-311. Mar. 23, 1944. 500 B450  
New species and forms in: *Taeniothrips* 2; *Cryptothrips*; *Gynaikothrips* 7; *Parateuchothrips* n. g.; *Paracryptothrips* n. g. 2; *Diplochelaethrips* n. g.; *Austrothrips*; *Gastrothrips*; *Hoplothrips*; *Acallurothrips*; *Lissothrips*; *Horistothrips* 2; *Macrophthalmothrips*; *Chelaethrips*; *Neoheegeria*; *Leeuwenia* 2; *Phlaethrips* 2; *Gluphothrips* n. g.; *Ischnothrips* n. g.; *Bolothrips* (*Carientothrips*) n. sgen.; *Oidanothrips* n. g.; *Campulothrips* n. g.
- 25119 NEEDHAM, J. G. Further studies on neotropical gomphine dragonflies (Odonata). Amer. Ent. Soc. Trans. 69: 171-224. Dec. 1943. 420 P53  
New species and forms in: *Archaeogomphus*; *Ebegomphus* n. g., n. sp.; *Aphylla*; *Gomphoides* 2; *Cyclophyl-la*; *Progomphus* 2; *Mitragomphus* n. g., n. sp.; *Zonophora*.
- 25120 O'MAHONY, EUGENE. A note on some British and foreign Anoplura Siphunculata. Ent. Monthly Mag. 80: 60. Mar. 1944. 421 En86
- 25121 RAYMOND, ALLEN. Now we can lick typhus. Sat. Evening Post 216(43): 14-15. 70. Apr. 22, 1944. 110 S  
Control in Naples by use of new army louse powder [*Dichloro-diphenyl-trichloroethane*].
- 25122 REIS, JOSÉ. Combate aos piolhos das aves. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 590-593. 1943. 31.9 Sa63
- 25123 STAUBLY, J. L., and LLOYD, A. C. Dry-cleaning as a means of delousing garments. Soap and Sanit. Chem. 19(8): 94-96. Aug. 1943. 307.8 Sol2
- 25124 \*\*STÖWE, ELISABETH. Der kopf von *Trimenopon jenningsi* Kellogg and Paine (Mallophaga) ein morphologische untersuchung unter besonderer berücksichtigung des nervensystems und der drüsen. Zool. Jahrb. Abt. f. Anat. u. Ontog. Tiere 68: 177-226. 1943.  
Abs. in Biol. Abs. 18: 7699. Apr. 1944. 442.8 B526
- 25125 THOMPSON, J. N., and DELAPLANE, J. P. Lousy turkey talk. Farm and Ranch 63(4): 27. Apr. 1944. 6 T31  
Nicotine sulfate destroys lice.
- 25126 TOWNE, W. W., and GERBERG, E. J. Bedbug control in a large army camp. U. S. Army Med. Dept. Bul. No. 74, p. 101-106. Mar. 1944. 152.9 Ar52  
*Cimex lectularius*.
- 25127 TURNER, ROBERT. The cootie [*Pediculus humanus corporis*], Axis agent, meets fate in plywood de-lousing chamber. South. Lumber Jour. 48(4): 62. Apr. 10, 1944. 99.81 So8  
Also in Brit. Columbia Lumberman 28(4): 64, 66. Apr. 1944. 99.81 B77
- 25128 WAYSON, N. E. Plague. Sulfadiazine treatment of guinea pigs infected by artificial methods or by flea [*Xenopsylla cheopis*] transmission. U. S. Pub. Health Serv. Rpts. 59: 385-393. Mar. 24, 1944. 151.65 P96



AGRICULTURAL ENGINEERINGGENERAL

- 25129 HAYES, M. L. Less milk - in a flash! Hoard's Dairyman 89: 238. Apr. 25, 1944. 44.8 H65  
Protection against lightning.
- 25130 \*HU. Schutz der ernte vor brandschaden. Landesbauernschaft Württemb. Wchnbl. 110: 383. June 26, 1943. 18 W96
- 25131 HUNT, W. J. They're ready for fire. Farm Jour. 68(5): 36. May 1944. 6 F2212
- 25132 KING, A. S. Umatilla County sets example. Green Gold 1(1): 11. Nov. 1943. 99.8 G822  
Fire control.
- 25133 LOUGHEAD, M. E. Safe canning. Ark. Ext. Serv. Rev. 26(4): 4. Apr. 1944. 275.29 Ar4C  
Rules for avoiding accidents in canning.
- 25134 LYLE, S. P. The logistics of wartime food production. Agr. Engin. 25: 122, 124. Apr. 1944. 58.8 Ag83  
Value of the agricultural engineer.
- 25135 \*MANSVETOV, V. Remont uprizhizh dlia loshadei [Harness repair]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 254/256, 4 p. Nov. 1943. 20 Se475
- 25136 \*MASLENNIKOV, B. Koks iz torfa [Peat coke]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 131, 3 p. Oct. 1943. 58.8 Se4  
Used as fuel on collective farms.
- 25137 OBERTI, FEDERICO. El freno es para el caballo. Chacra 14(160): 26-28. Feb. 1944. 9 C34
- 25138 TURNER, A. W. The agricultural engineer in the postwar period. Agr. Engin. 25: 129-130. Apr. 1944. 58.8 Ag83

FARM MACHINERYGeneral

- 25139 ADAM, ED. Costs in trading work. Mont. Farmer 31(15): 5. Apr. 1, 1944. 6 M764  
Rates for cooperative use of farm machinery.
- 25140 BURROWS, P. W. Moisture testers. Northwest. Miller (Sect. 2) 218(2): 14a. Apr. 12, 1944. 298.8 N81
- 25141 CLINE, R. W. Improving farm mechanics instruction thru teacher clinics. Agr. Ed. Mag. 16: 192. Apr. 1944. 275.8 Ag8
- 25142 THE FARM equipment industry in war time. Farm Mach. and Equip., No. 1924, p. 5-6, 37. Apr. 1944. 58.8 F225
- 25143 \*FIEHR, FRIEDRICH. Hindernisse des landtechnischen fortschrittes. Tech. in der Landw. 24: 91. June 1943. 58.8 T22
- 25144 GATES, WARD. Farm equipments. Our two stock selections: International Harvester; Allis-Chalmers. Mag. Wall St. 74: 78-80, 104-105. Apr. 29, 1944. 286.8 M27
- 25145 HOFF, P. R., and HURD, L. M. Adequate equipment maintains production. [N. Y.] Orange Co. Farm Bur. News 21(3): 2-3. Mar. 1944. 275.293 N. Y., Orange Co.
- 25146 HUSSANDER, G. C. Dairy brushes. West. Livestock Jour. 22(28): 94. Apr. 1944. 6 F2278
- 25147 JONES, R. A. When farm machines go to war. West. Farm Life 46(8): 3, 6, 8. Apr. 15, 1944. 6 R153
- 25148 KABLE, G. W. Farm electric equipment for postwar needs. Agr. Engin. 25: 119-120, 124. Apr. 1944. 58.8 Ag83
- 25149 \*MARTÍN SANZ, DIONISIO. El yugo. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Divulgadoras 35(45): 1-6. Nov. 1943. 15 H68

25150 NUNN, ALEXANDER. Making equipment last - Vo-ag teachers have done big job in farm machinery repair program. Prog. Farmer, Ga.-Ala.-Fla. Ed. 59(4): 12. Apr. 1944. 6 P45G

25151 \*OW, FREIHERR VON. Um die deutsche bauerntechnik. Tech. in der Landw. 24: 89-90. June 1943. 58.8 T22

25152 PINCHES, H. E. Farm work simplification. Agr. Engin. 25: 136, 144, 154. Apr. 1944. 58.8 Ag83

25153 \*PODOSENOV, F. S. Kak rabotaet kuznitsa nashego kolkhoza [The blacksmith on collective farms]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 257/259, 4 p. Nov. 1943. 20 Se475

25154 \*PREUSCHEN. Landmaschineneneinsatz im besetzten mittleren Ostraum. Mitt. f. die Landw. 58: 625-626. July 31, 1943. 18 D48M

25155 REAL DE AZÚA, EXEQUIEL. Horno incinerador de basuras. Aberdeen-Angus Jour., No. 21, p. 81-82. Spring, 1944. 43.8 Ab33

25156 SECRET, F. A. Cultivators and planters for market-gardeners. Fruit Grower, Fruiterer, Florist & Market Gard. 97: 280, 294. Apr. 13, 1944. 80 F941

25157 SECRET, F. A. Mechanisation in market gardening for maximum output. Fruit Grower, Fruiterer, Florist & Market Gard. 97: 260-261. Apr. 6, 1944. 80 F941

25158 \*THEBIS, REINHOLD. Treibriemen richtig behandeln! Landesbauernschaft Württemb. Wchnbl. 110: 430. July 24, 1943. 18 W96

25159 TRAVIS, WILBUR. Concrete mixer from drum and auto parts. Elect. on the Farm 17(4): 10. Apr. 1944. 335.8 E127

25160 VAN VLACK, C. H. The Meeks make progress. Successful Farming 42(4): 26, 41, 53. Apr. 1944. 6 Su12

Value of farm shop.

25161 WALKER, H. B. Trends in sugar-beet field machinery development. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 242-251. Sheridan, Wyo., 1943. 66.9 Am35

25162 \*WEINBEER, H. Die pflege der siebe. Landesbauernschaft Württemb. Wchnbl. 110: 294. May 1, 1943. 18 W96

Tillage Machinery

25163 GOWDER, M. T. The care of the disk harrow. Prog. Farmer, Miss. Val. Ed. 59(4): 25. Apr. 1944. 6 So81

25164 MERVINE, K. M. Mechanical thinning of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 237-241. Sheridan, Wyo., 1943. 66.9 Am35

25165 POWERS, J. B. A mechanical topper. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 252-254. Sheridan, Wyo., 1943. 66.9 Am35

25166 PUEYREDON, E. M. Indicaciones útiles sobre nivelación de arados. Campesino [Santiago, Chile], 76: 66-67. Feb. 1944. 9.3 Sol2

25167 SCALLEY, FORD. Mechanical cross blocking. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 268-274. Sheridan, Wyo., 1943. 66.9 Am35

25168 SMITH, D. E. Mechanical blockers. Sugar Beet 4(2): 9. Mar. 1944. 66.8 Su34B  
For sugar beets.

25169 TINGLEY, R. J. Cross-cultivation of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 278-283. Sheridan, Wyo., 1943. 66.9 Am35

25170 VENNING, H. J., JR., LAMBDIN, R. S., and LIDER, W. R. Beet population secured with single seeding and cross blocking. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 275-278. Sheridan, Wyo., 1943. 66.9 Am35



Planting Machines and Fertilizer Distributors

- 25171 ARMER, AUSTIN. Beet drill calibration simplified. Spreckels Sugar Beet Bul. 8: 13. Mar./Apr. 1944. 66.8 Sp7
- 25172 HULL, E. W. Beet drills calibrated. Spreckels Sugar Beet Bul. 8: 12. Mar./Apr. 1944. 66.8 Sp7
- 25173 JACKSON, L. Z. Planting a tree a second. Amer. Forests 50: 170, 191-192. Apr. 1944. 99.8 F762
- Equipment.
- 25174 JONES, R. A. Methods and equipment for fertilizing row crops. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 283-286. Sheridan, Wyo., 1943. 66.9 Am35
- 25175 \*LIUBICH, V. Kak priposobit' konnye selalki dlia poseva kok-saghyza [Adapting horse-drawn planters for the planting of kok-saghyz]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 265/267, 3 p. Dec. 1943. 20 Se475
- 25176 MCBIRNEY, S. W. Single-seed planting of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 228-236. Sheridan, Wyo., 1943. 66.9 Am35

Harvesting, Threshing, Drying, and Processing Equipment

- 25177 ARMER, AUSTIN. Costs on harvesting beets with a manual sorting lifter machine. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 260-263. Sheridan, Wyo., 1943. 66.9 Am35
- 25178 BIERLY, I. R. The buckrake comes of age. [N. Y.] Dutchess Co. Farm Bur. News 26(9): 1. Mar. 1944. 275.293 N. Y., Dutchess Co.
- 25179 BIRDSALL, E. L. Simple separator speeds grading. Food Indus. 16(4): 82-83. Apr. 1944. 389.8 F737
- 25180 BRODELL, A. P., and COOPER, M. R. Milking machines are war tools. Rural Elect. Bul. 2(1): 8-11, processed. Mar. 1944. 335.8 R883
- Also in Hoard's Dairymen 89: 229. April 25, 1944. 44.8 H65
- 25181 BROWN, C. C. Modern machinery makes better hay. South. Agr. 74(4): 19. Apr. 1944. 6 So83
- 25182 BUGBEE, R. J. Treat that milking machine right. Elect. on the Farm 17(4): 7. Apr. 1944. 335.8 E127
- 25183 BURROWS, O. K. Care and maintenance of dairy products processing equipment. South. Dairy Prod. Jour. 35(4): 34, 38-39. Apr. 1944. 44.8 So83
- 25184 CARREKER, J. R. Combine harvesting by terrace intervals. Agr. Engin. 25: 141. Apr. 1944. 58.8 Ag83
- 25185 CHAPMAN, GEORGE. Some problems of dehydration from a dehydrator operator's standpoint. Dehydration Conf. for Grapes and Cut Fruits [Rpt.] 1944: 25-27, processed. 389.9 D36
- 25186 DOUGLASS, JOHN, and HODGSON, S. C. Mechanical green pea harvesting. Agr. Gaz. N.S.Wales 55: 49-51. Feb. 1, 1944. 23 N472
- 25187 \*EVSEEV, K. M. Ovoshche-kartofel'naia sushilka [Vegetable - potato drier]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 271/273, 4 p. Dec. 1943. 20 Se475
- 25188 \*FEDOTOV, N. D. Ogurechnaiâ drobilka [Cucumber crusher]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 241/242, 3 p. Nov. 1943. 20 Se475
- 25189 \*FEDOTOV, N. D. Terka dlia vytiraniia semian morkovi [Carrot seed cleaner]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 250/251, 2 p. Nov. 1943. 20 Se475
- 25190 FRANKE, PAUL. Goodbye to harvest headaches. Acco Press 22(4): 1-5. Apr. 1944. 6 Ac2
- 25191 \*FRITZ, WILLI. Die kontinuierlich arbeitende butterungsmaschine in den technisch-milchwirtschaftlichen arbeiten der RKTL. Tech. in der Landw. 24: 81-82. June 1943. 58.8 T22
- 25192 \*FRITZ, WILLI. Die melkmaschine in den technisch-milchwirtschaftlichen arbeiten der RKTL. Tech. in der Landw. 24: 79-81. June 1943. 58.8 T22
- 25193 \*HACKMANN, WALTER. Herstellung von haferfeinmehl. Deut. Mûllerei, Hft. 8, p. 79-80. July 16, 1943. 298.8 D48
- 25194 \*HACHMANN, WALTER. Richtige saatgutaufbereitung, ein wichtiger beitrage des mûllers zur erzielung von mehrernteerträgen. Deut. Mûllerei, Hft. 10, p. 101-102. Aug. 13, 1943. 298.8 D48
- 25195 \*HÄBERLEN, KARL. Erfahrungen bei der heuernie 1943. Landesbauernschaft Württemb. Wehnl. 110: 479. Aug. 21, 1943. 18 W96
- Advantages of using drying racks for drying of hay.
- 25196 HIGGINS, F. H. On the Oregon trail. Impl. Rec. 41(4): 20-21. Apr. 1944. 58.8 Im73
- History of the combine.
- 25197 \*HILLER. Flachsernte, wenn die blätter abfallen. Landesbauernschaft Württemb. Wehnl. 110: 405. July 10, 1943. 18 W96
- 25198 HODGE, L. M. Haymaking. Queensland Agr. Jour. 58: 7-16, 69-74. Jan. 1, Feb. 1, 1944. 23 Q33
- Includes crops suitable for haymaking and the construction of haystacks.
- 25199 HOLLORAN, E. F. Suggestions to elevator managers on protection of food. Natl. Grain Jour. 28(5): 10, 12. Apr. 1944. 298.8 G83
- Care of equipment.
- 25200 \*HU. Felddrusch, wann und wie? Landesbauernschaft Württemb. Wehnl. 110: 401. July 24, 1943. 18 W96
- 25201 IVES, N. C. Agricultural engineers offer improved plans for lumber-built sweep rake. Miss. Val. Lumberman 75(14): 7-10, 18. Apr. 7, 1944. 99.81 M69
- 25202 \*K., F. Typisierung und normung im mûhlenbau. Deut. Mûllerei, Hft. 1, p. 3-4. Apr. 9, 1943. 298.8 D48
- 25203 KEMP, H. J. Clean seed grows better crops. Country Guide 63(4): 27. Apr. 1944. 7 G76
- 25204 \*LETTANG, J. Schälprobleme und rationellere mûllerei. Deut. Mûllerei, Hft. 1, p. 2-3. Apr. 9, 1943. 298.8 D48
- 25205 MCDANIEL, KEN. Industry offers new products to help the dairyman. Successful Farming 42(4): 24, 121. Apr. 1944. 6 Sul2
- 25206 \*MANSVETOV, V. Kak ustroit' solomozekku [How to construct a straw-cutter]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 182, 2 p. Oct. 1943. 49 Se4
- 25207 MAST, A. A., WOOD, R. C., and McDONALD, I. M. Recent improvements in sugar-beet seed harvesting and threshing equipment. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 263-267. Sheridan, Wyo., 1943. 66.9 Am35
- 25208 MOSES, B. D. Factors affecting dehydrator efficiency. Dehydration Conf. for Grapes and Cut Fruits [Rpt.] 1944: 28-34, processed. 389.9 D36
- 25209 \*PANSE, E. Entwicklung einer einzelepflanzen-dreschmaschine für zuchtmaterial landwirtschaftlicher und gärtnerischer nutzpflanzen. Züchter 14: 117-119. May 1942. 442.8 Z8
- 25210 PARKER, M. E. Milestones in dairy detergency. Cheese Rptr. 68(35): 10, 22-24. Apr. 28, 1944. 44.8 Sh3
- 25211 \*PRAKTIKUS. Höhere ergebnisse in kleinemûhlen durch einfache umstellungen. Deut. Mûllerei Hft. 10, p. 105-106. Aug. 13, 1943. 298.8 D48



- 25212 \*R., ZD. Dreschmaschine muss in ordnung sein. Landesbauernschaft Württemb. Wchnbl. 110: 479. Aug. 21, 1943. 18 W96  
Directions for care of threshing machines.
- 25213 REED, I. F., and BROWN, O. A. Developments in peanut harvesting equipment. Agr. Engin. 25: 125-126, 128. Apr. 1944. 58.8 Ag83
- 25214 REITTER, G. J. Experiences with mechanical harvest. Spreckels Sugar Beet Bul. 8: 9. Mar./Apr. 1944. 66.8 Sp7  
Sugar-beet harvesting equipment.
- 25215 \*RIEDEL, Doppelhocken bei raps. Landesbauernschaft Sachsen. Wchnbl. 91: 334. July 24, 1943. 18 Sal
- 25216 SMITH, R. J. A photo-electric apparatus for determination of color and turbidity in refined sugar. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 471-474. Sheridan, Wyo., 1943. 66.9 Am35
- 25217 STREET, A. G. How fast is a thresher? Farmers Weekly [London] 20(15): 25. Apr. 14, 1944. 10 F2226
- 25218 \*SYBEL, H. VON. Die vollmechanisierung der landwirtschaftlichen darre durch den Schub-Wendetrockner. (To be cont.) Mitt. f. die Landw. 58:607-610, 638-639. July 31, Aug. 7, 1943. 18 D48M
- 25219 TOMEO IBARRA, H. P. En el tambo. Tanque para esterilizar los utiles. Chacra 14(159): 6, 14. Jan. 1944. 9 C34
- 25220 TOTMAN, CLIFFORD. Grower uses Marion harvester. Spreckels Sugar Beet Bul. 8: 2. Mar./Apr. 1944. 66.8 Sp7  
Sugar-beet harvesting equipment.
- 25221 TRAMONTINI, V. N. A mechanical beet digger. Amer. Soc. Sugar Beet Technol. Proc. (1942) 3: 255-259. Sheridan, Wyo., 1943. 66.9 Am35
- 25222 \*WEISS, HUGO. Sorgfältige mohnernte. Landesbauernschaft Württemb. Wchnbl. 110: 417. July 17, 1943. 18 W96  
Harvesting, drying, and threshing of poppies.

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 25223 \*BEREZIN, A. Pervye turbiny kolkhozov Barguzinskogo aimaka [Early turbines on the Barguzinsk collective farms]. Kolkhoz. Proizvod., No. 11/12, p. 31. Nov/Dec. 1943. 281.8 K83  
Description of turbines made out of scrap by the collective farmers, their cost in work-days, and their use as a labor-saving device on the farms.
- 25224 \*BOBRIASHOV, P. S. Ispol'zovanie vybrakovannykh detal' traktorov [Utilization of discarded tractor parts]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 164/165, p. 1. Dec. 1943. 58.8 Se4
- 25225 \*GOSE. Ausbildung für den generator-gasschlepper eilt. Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 410. July 31, 1943. 18 Sa9
- 25226 \*GOURY, M. Les combustibles minéraux pour gazogènes. Chim. & Indus. [Paris] 48: 133-139. Sept. 1942. 383 C42
- 25227 \*GUROV, S. V. Kak otremonirovat' ventilator avtomobil' GAZ [Repairing the ventilator fan of the automobile GAZ]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 168, 2 p. Dec. 1943. 58.8 Se4
- 25228 HINKLE, C. N. If your tractor "burns you up." Successful Farming 42(4): 28-29, 38, 40. Apr. 1944. 6 Su12
- 25229 LOVE, L. E. Keeping tractors fit to fight. U. S. Soil Conserv. Serv. Soil Conserv. 9: 219-221. Apr. 1944. 1.6 So3S
- 25230 \*MARCHENKO, S. G. Prispособlenie dlia zalivki podshipnikov v polevykh usloviakh [Device for the repair of bearings in the field]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 129, 2 p. Oct. 1943. 58.8 Se4

- 25231 MARELLI, C. A. Experiencias en la aplicación de gasogenos y recuperación de potencia por compresión en los vehículos de transporte. Campo [Buenos Aires] 28(327): 40-41, 54-55. Jan. 1944. 9 C15
- 25232 \*MIKHAILIN, S. G. Restavratsiia porshnevnykh pal'tsev avtomashiny GAZ-A i AA [Piston repair of automobiles GAZ-A and AA]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 127, 2 p. Oct. 1943. 58.8 Se4
- 25233 \*MOHR, G. Récupération des calories dans les gazogènes. Calcul de l'établissement des foyers. Chim. & Indus. [Paris] 48: 195-201. Oct. 1942. 383 C42
- 25234 \*MOROZOV, I. Frisposoblenie dlia raboty dvigatel'ia kombainov na kerosine [Device for operating combine motors on kerosene]. Sel'so (Ser. Traktorist i Kombain), v. 12, No. 119/120, 2 p. Dec. 1943. 58.8 Se4S
- 25235 \*PODBEL'SKIY, N. N. Rabota generatora GBT na sharikovykh podshipnikakh [Generator GBT with cylindrical bearings]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 128, 2 p. Oct. 1943. 58.8 Se4
- 25236 \*POGORELYY, I. P. Restavratsiia klapanov traktornogo dvigatel'ia STZ-KHTZ put'em razdachi golovok [Repair of valves of the tractor engine STZ-KHTZ]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 155, 2 p. Dec. 1943. 58.8 Se4
- 25237 \*PRAKTIKUS. Kleinstmühlen im kriegseinsatz. Deut. Mülerei, Hft. 8, p. 81-82. July 16, 1943. 298.8 D48
- 25238 \*PTITSYN, G. P. Preduprezhdenie peregreva dvigatel'ia Y-5 [Prevention of overheating of the motor Y-5]. Sel'so (Ser. Traktorist i Kombain), v. 12, No. 109/110, 2 p. Nov. 1943. 58.8 Se4S
- 25239 \*ROGGE, E. Ein widerspruch in der windkraftausnutzung? (To be cont.) Deut. Mülerei, Hft. 1, p. 5. Apr. 9, 1943. 298.8 D48
- 25240 \*RYBNIKOV, G. V. Prosteishie prispособlenie dlia puskа pholodnykh dvigatelei [Simple device for starting cold motors]. Sel'so (Ser. Traktorist i Kombain), v. 12, No. 104/106, p. 1-2. Nov. 1943. 58.8 Se4S
- 25241 SPERRY, L. B. Tractor imagineering. Impl. and Tractor 59(9): 18-20. Apr. 22, 1944. 58.8 W41
- 25242 TRAVIS, WILBUR. Electric motor adapted to homemade concrete mixer. Rural Elect. Bul. 2(1): 32, processed. Mar. 1944. 335.8 R883
- 25243 \*VLASOV, I. N., and DMITRIEV, A. D. Prosteishie sposoby restavratsii traktornykh detal' [Simple methods of tractor parts repair]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 144/145, 2 p. Nov. 1943. 58.8 Se4
- 25244 \*VLASOV, I. N. Prosteishie sposoby restavratsii traktornykh detal' [Simple method of repairing tractor parts]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 150/151, 2 p. Nov. 1943. 58.8 Se4
- 25245 \*VOLKOV, F. P. Remont shpor traktorov, SKHTZ i Universal [Repair of lugs of tractors SKHTZ and Universal]. Sel'so (Ser. Tekh. Sel'sk. Khoz.), v. 12, No. 154, p. 1. Nov. 1943. 58.8 Se4
- 25246 \*WEDDING, H. Erfahrungen mit dem holzgasschlepper. Mitt. f. die Landw. 58: 591-592. July 24, 1943. 18 D48M

#### FARM STRUCTURES

##### General

- 25247 BUILDINGS on the farm. Fortune 29: 159-163, 170, 172, 175-176. May 1944. 110 F772
- 25248 CARTER, D. G. Better buildings coming. Capper's Farmer 55(5): 11, 53. May 1944. 6 M693



- 25249 HELGESON, JOHN. Patronage dividends for building. *Successful Farming* 42(4): 32, 34-35. Apr. 1944. 6 Sul2
- 25250 JENNINGS, B. A. The fence exposure tests. *Agr. Engin.* 25: 140-141. Apr. 1944. 58.8 Ag83
- 25251 MILLER, T. C. An electric bird scarer. A new use for the electric fence. *West. Austral. Dept. Agr. Jour.* 20: 309-313. Dec. 1943. 23 W52J
- 25252 PATRICK, R. J. Use of circulator with hot-water system insures better heat control. (To be cont.) *Florists' Rev.* 94(2420): 13-14, 68. Apr. 13, 1944. 80 W41
- 25253 PORTER, L. C. Lamps as sources of heat. *Agr. Engin.* 25: 148, 156. Apr. 1944. 58.8 Ag83
- 25254 RUSSELL, J. A. Build your own stone wall. *Country Book Mag.* 3(4): 28-31. Spring 1944. 6 C836
- 25255 WEBBER, MARY. Lamps are made to see by. *Household Mag.* 44(4): 6, 31, 35. Apr. 1944. 321.8 H813
- 25256 WISE, ARTHUR. Farm buildings of to-morrow. *Country Life [London]* 95: 546-548. Mar. 31, 1944. 80 C83

#### Farmhouses

- 25257 ALLEN, M. H. What is a farm house? *Miss. Val. Lumberman* 75(17): 12-14. Apr. 28, 1944. 99.81 M69
- 25258 ARTER, WALLACE. The system of tied cottages. *Field* 183: 326. Mar. 25, 1944. 10 F45
- 25259 BALL, E. M. Country homes. *Farmer and Stock-Breeder* 58: 514. Mar. 28, 1944. 10 F228
- 25260 \*CAMPOVASCO, J. Una sencilla cochiguera para anexionar a la vivienda del modesto ganadero. *Surco [Madrid]* 11(22): 27-28. Dec. 1943. 15 Su7
- 25261 CARTER, D. G. How to add a bathroom. *Farm Jour.* 68(5): 56. May 1944. 6 F2212
- 25262 CHRISTENSEN, C. L. Will he want to stay home? *Successful Farming* 42(4): 22, 44-45. Apr. 1944. 6 Sul2
- Notes the need for improvement of farm homes for post-war living.
- 25263 KNAPP, F. V. Hot water unit for country homes. *West. Austral. Dept. Agr. Jour.* 20: 303-304. Dec. 1943. 23 W52J
- 25264 \*MARTIN ARTAJO, JAVIER. Protección del Estado a la vivienda rural. *Agricultura [Madrid]* 12: 526-530. Dec. 1943. 15 Ag84
- State assistance for rural housing in Spain includes credit, preference in acquisition of construction materials, and expropriation of lands.
- 25265 WALKER, MANNIX. South Africa plans new roofs for old. *U. S. Dept. Com. Foreign Com. Weekly* 15(3): 6-7, 35-36. Apr. 15, 1944. 157.54 F763
- Post-war housing program.

#### Service Buildings

- 25266 B., J. W. An architect at the cowshed is not as silly as it sounds. *New Zeal. Dairy Exporter* 19(7): 4-5. Mar. 1, 1944. 44.8 N484
- 25267 BANKS, A. E. Some suggestions. *Small Stock Mag.* 28(4): 10-11, 14. Apr. 1944. 48.8 P442
- Rabbit raising equipment.
- 25268 \*BECKER, FERDINAND. Ein tiefstall mit verschieb- und verstellbaren futterskippen. *Mitt. f. die Landw.* 58: 643-644. Aug. 7, 1943. 18 D48M
- 25269 BERNIER, P. E. La ventilation du poulailler par le système "Sanctuary." *Bul. des Agr.* 40(4): 20-21. Apr. 1944. 7 B872
- 25270 BROADBENT, V. V. My ideal coop. *Poultry Farmer [London]* 110(2856): 7. Mar. 17, 1944. 47.8 F312
- 25271 CLARK, R. H. Sensible Oregon dairy barn. *Jersey Bul.* 63: 380, 419-420. Apr. 5, 1944. 43.8 J48

- 25272 COOPER, G. H. Feeding and drinking appliances for poultry. *Rhodesia.Min. Agr. and Lands Bul.* 1247, 6 p. Salisbury, 1943. 24 R345
- Reprinted from *Rhodesia Agr. Jour.* 40: 363-367. Nov./Dec. 1943. 24 R34
- 25273 CULLITY, M. Self feeders - a method of reducing labour in pig raising. *West. Austral. Dept. Agr. Jour.* 20: 275-281. Dec. 1943. 23 W52J
- 25274 GAMERO ROBLES, A. M. Construcción de comederos para aves en crecimiento. *Mundo Avic.* 7(72): 26-27, 33. Feb. 1944. 47.8 M92
- 25275 GORDON, M. D. Hints on rabbit hutch construction. *Field* 183: 281. Mar. 11, 1944. 10 F45
- 25276 GORDON, M. D. The preparation of brooders. *Field* 183: 333. Mar. 25, 1944. 10 F45
- 25277 GRINSTEAD, W. T. Building modern rabbit hutches. *Small Stock Mag.* 28(4): 4. Apr. 1944. 48.8 P442
- 25278 GUNDRY, B. G., and ROMYN, A. E. Piggeries. *Rhodesia.Min. Agr. and Lands. Bul.* 1246, 16 p. Salisbury, 1943. 24 R345
- Reprinted from *Rhodesia Agr. Jour.* 40: 379-393. Nov./Dec. 1943. 24 R34
- 25279 HILL, ALAN. Permanent nurseries. *Poultry Farmer [London]* 110(2857): 6-7. Mar. 24, 1944. 47.8 F312
- For poultry.
- 25280 HUGHES, C. E. This shed's a real stock-saver. *Successful Farming* 42(4): 42, 52-53. Apr. 1944. 6 Sul2
- 25281 KLEIN, G. T. Low cost housing for layers. *Everybody's Poultry Mag.* 49(4): 8, 27. Apr. 1944. 47.8 F213P
- 25282 KORTE, D. R. Developing hutches. *Small Stock Mag.* 28(4): 29. Apr. 1944. 48.8 P442
- 25283 KRUISWYK, H. D. This roosting rack saves labor. *Washcoegg* 21(12): 7-8. Apr. 1944. 47.8 W27
- For poultry.
- 25284 NEUERBURG, GEORGE. Individual breeding pens for pigeons. *All-Pets Mag.* 15(11): 49, 57. Apr. 1944. 48.8 A15
- 25285 \*NOTH, H. H. Vermeidung von verlusten bei der ferkelaufzucht. *Mitt. f. die Landw.* 58: 692 Aug. 21, 1943. 18 D48M
- 25286 \*ØSTERBØ, LASSE. Golvkalde fjøs. *Norsk Landbruk* 9: 24. Jan. 22, 1943. 11 N8122
- Discusses the cause and offers suggestions for avoiding cold floors in stables.
- 25287 PATTY, R. L. Hard surfaced floors for poultry houses. *Agr. Engin.* 25: 137-139, 141. Apr. 1944. 58.8 Ag83
- 25288 PRACTICAL barn for two or three goats. *Goat World* 29(4): 10-11, 13. Apr. 1944. 40.18 G53
- 25289 ROBERTSON, E. I. How to build a poultry disposal pit. *Everybody's Poultry Mag.* 49(4): 7, 23-24. Apr. 1944. 47.8 F213P
- 25290 \*ROZANOV, N. Torfonabivnye poly [Peat floors]. *Sel'so (Ser. Kolkhoz. Zhivotn.)*, v. 12, No. 189/190, 4 p. Oct. 1943. 49 Se4
- Describes floors made out of peat in the newly constructed livestock sheds in the liberated territories on account of the lack of construction materials.
- 25291 SANCTUARY, W. C. La buena ventilación de los gallineros. *Mundo Avic.* 7(72): 24, 28-32, 43-44. Feb. 1944. 47.8 M92
- 25292 SIDNEY, E. M. Ideal hutch for outdoor breeding. *Poultry Farmer [London]* 110(2856): 8. Mar. 17, 1944. 47.8 F312
- 25293 SIDNEY, E. M. Labour-saving colonies. *Poultry Farmer [London]* 110(2857): 8. Mar. 24, 1944. 47.8 F312
- For rabbits.



25294 SMALL, M. C. For more protection.  
Turkey World 19(4): 8-9. Apr. 1944. 47.38 T84

Brooder range houses.

25295 STANDLEY, B. H. Building wartime electric brooders. Rural Elect. Bul. 2(1): 22-28, processed. Mar. 1944. 335.8 R883

25296 WOODWARD, L. H. Saving labor on poultry farms. Everybody's Poultry Mag. 49(4): 6, 32-33. Apr. 1944. 47.8 F213P

Labor-saving equipment.

#### Storage Structures

25297 ANDERSON, RAY. Big things ahead in quick-freeze. Farm Jour. 68(5): 20-21. May 1944.

6 F2212

25298 \*ESMANSKIĬ, P. Khrenenie ovoshcheĭ v komnate [Vegetable storage room]. Sel'so (Ser. Kolkhoz. Zeml.), v. 12, No. 246/247, 2 p. Nov. 1943. 20 Se475

Describes construction of refrigerator for household use.

25299 HENDERSON, S. M. Resistance of soybeans and oats to air flow. Agr. Engin. 25: 127-218. Apr. 1944. 58.8 Ag83

25300 \*HÜPPNER, RICHARD. Erfahrungen mit den reichseigenen kartoffellagerhäusern. Mitt. f. die Landw. 58: 618-620. July 31, 1943. 18 D48M

25301 \*HOMANN. Die gestaltung von gärfutterhochbehältern für bäuerliche betriebe. Tech. in der Landw. 24: 83-88. June 1943. 58.8 T22

25302 KOK, E. A. Tipos de construção de silos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 453-457. 1943. 31.9 Sa63

25303 KOONTZ, L. L. Forced ventilation method is modern way to save hay. Rural Elect. Bul. 2(1): 12-17, processed. Mar. 1944. 335.8 R883

25304 LAMBETH, R. M. Home freezers or cabinets. Canad. Dairy and Ice Cream Jour. 23(4): 48, 50. Apr. 1944. 44.8 C162

25305 STEWART, ELIZABETH. Quick-freezing as applied in the hospital dietary department. Amer. Dietet. Assoc. Jour. 20: 236, 238. Apr. 1944. 389.8 Am34

#### Farm Utilities

25306 BLASINGAME, R. U. Electric "jack-of-all-trades" does numerous chores for farm families. Pa. Agr. Expt. Sta. Sci. for the Farmer (Bul. 446, Sup. 2), p.8-9. Mar. 1944. 100 P381

25307 CARBONNIÈRES. La fosse septique. Casa-blanca. Chambre d'Agr. Bul. 50(161): 19-22. Mar. 1944. 24 C26

25308 FILION, GERARD. L'électrification rurale par les coopératives. Terre de Chez Nous 16(26): 2. Mar. 29, 1944. 7 T27

25309 HAYMAN, R. E. An appraisal of farm electrification needs. Rural Elect. Bul. 2(1): 1-7, processed. Mar. 1944. 335.8 R883

25310 KABLE, G. W. Electrification of tomorrow. Rural Elect. Bul. 2(1): 18-21, processed. Mar. 1944. 335.8 R883

25311 NEAL, W. J. Mr. volts is their hired hand. South. Agr. 74(4): 9. Apr. 1944. 6 So83

25312 NEFF, G. C. Electricity for daily farm chores. Agr. Engin. 25: 121. Apr. 1944. 58.8 Ag83

25313 RIOUX, ALBERT. La coopérative d'électricité de Compton. Terre de Chez Nous 16(26): 3. Mar. 1944. 7 T27

25314 RUCH, E. A., JR. Two-shot reclosers reduce rural outages. Elect. World 121(16): 88-89. Apr. 15, 1944. 335.8 E12

25315 VOS, FRED. Utilizing all allies in a wartime rural program. Rural Elect. Bul. 2(1): 29-31, processed. Mar. 1944. 335.8 R883

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

25316 \*BERMEJO, A. La Guinea Española vista por un ingeniero agrónomo. III. Surco [Madrid] 2(21): 8-10. Nov. 1943. 15 Su7

Continues discussion of crops produced.

25317 BRANDT, KARL. European food situation at the end of the war. Natl. Farm Inst. Proc. (1944) 7: 14-24. 4 N219

25318 BUTLER, H. A. Shall we feed or feast on Latin America? [Excerpt from an address]. West. Livestock Jour. 22(28): 20, 80, 81. Apr. 15, 1944. 6 F2278

The food situation in Latin America.

25319 ENGLUND, ERIC. Problem of food for liberated areas. Natl. Farm Inst. Proc. (1944) 7: 25-26. 4 N219

25320 GARVER, W. B. Garver hails Brandt for self-help feature of farm plan. Pt. I. Markets 12(11): 6. Apr. 27, 1944. 280.38 M343

Discussion of John Brandt's proposal for establishing surplus-holding pools for controlling agricultural surpluses.

25321 GONZÁLEZ LÓPEZ, ANTONIO. Dieta popular: su presente coste prohibitivo. Rev. Nac. [Habana] 3(28): 13. Mar. 1944. 280.8 R3295

High food costs and possibilities of increasing production of lard and beans in Cuba.

25322 GUIDO, M. M. ¿La carne antes que el trigo? Rosario. Bolsa de Com. Bol. 32(770): 7-8. Feb. 15, 1944. 287 R71

Sees no danger of wheat supplanting meat.

25323 \*HELLWEGGER, KURT. Die verwendung landwirtschaftlicher erzeugnisse in der neuzeitlichen wehrmachtverpflegung. Deut. Agrarpolitik 1: 375-376. Sept. 1943. 281.8 D48

25324 LARREA, C. M. Algunos aspectos generales de la economía ecuatoriana. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 6, 7, 8, 9, 10, 11, 12. Nov./Dec. 1943. 9.5 M31

Includes agricultural products.

25325 MAUGER, L. S. Civil liability in the manufacture and sale of foods and beverages. Univ. Pa. Law Rev. 92: 306-317. Mar. 1944.

25326 PARISIUS, H. W. "Peace cannot be built on famine." Feedstuffs 16(15): 39-40. Apr. 8, 1944. 286.81 F322

Food-supply problems in post-war world reconstruction.

25327 SNELL, G. F. We help feed Russians. Food Facts 13(8): 3-4. May 1944. 389.8 F734

25328 WINANT, FRED, and DAWSON, J. P. The Middle East supply program. U. S. Dept. Com. Foreign Com. Weekly 15(1): 3-7, 37-39. Apr. 1, 1944. 157.54 F763

Agricultural products are handled.

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

25329 BRINDZE, RUTH. How to buy butter and eggs today. Jour. Living 9(11): 53-57. May 1944. 389.8 J822

25330 COX, VERA. Market in a potting shed. U. S. Ext. Serv. Ext. Serv. Rev. 15: 53. Apr. 1944. 1 Ex892Ex

Farm women's produce markets in Great Britain.

25331 DANKERT, A. F. Transportation and farm trucks. Ohio Veg. and Potato Growers Assoc. Proc. (1943)28: 80-82. 75.9 Oh3



25332 DERRICK, M. K. Farmers are checking methods of shipping. *Hoosier Farmer* 29(4): 8-9. Apr. 1944. 280.82 H76

Conservation of transportation.

25333 HENDERSON, H. W. Farmer meets consumer. U. S. War Food Admin. Market. Activ. 7(3): 3-4, processed. Mar. 1944. 1.942 ABM34

Farmers' municipal produce markets in the Pacific Coast States.

25334 \*KOLL, J. Ablieferung ist vordringlich. Landesbauernschaft Württemb. Wchnbl. 110: 377. June 26, 1943. 18 W96

25335 NUTTING, C. B., and BASKETTE, J. E., JR. Food distribution in wartime. *Dickinson Law Rev.* 48: 86-102. Jan. 1944. Legal Sect.

Organization and operations of Federal food agencies.

25336 RECK, F. M. Shipping of perishables by air. *Aero Digest* 45: 51-53. Apr. 15, 1944. 333.8 A882

25337 WILSON, E. W. Growth of a co-op food store. U. S. Farm Credit Admin. News for Farmer Co-op. 11(1): 9-11. Apr. 1944. 166.2 N47

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

25338 TYLER, A. Food standards. *Food Manufacture* 19: 125-128. Apr. 1944. 389.8 F736

#### INDUSTRIAL UTILIZATION

25339 \*DUPONT, G., and ESCOURROU, R. L'emploi de la paille de céréales et des tiges de topinambours pour la fabrication du papier. *Chim. & Indus.* [Paris] 48: 307-315. Mar. 1942. 383 C42

#### PACKING AND PACKAGING

25340 DAVIES, HELEN. Packaging foods for postwar markets. *Advertising & Selling* 37(4): 50, 122, 124, 125, 126. Apr. 1944. 238.28 Ad93

25341 KRUPP, P. H. Infrared's part in the precoating of cans. *Canning Trade* 66(40): 8. May 1, 1944. 286.83 T67

25342 MAIER, C. E., and FLUGGE, S. L. Corrosion on coated metal food containers. *Canner* 98(21): 13, 24. Apr. 22, 1944. 286.83 C16

#### PRICES, PRICE CONTROL, AND RATIONING

25343 GARDINER, J. G. Farm prices floor can be established legally. *Country Life* [Brit. Columbia] 28(3): 4. Apr. 1944. 7 C832

25344 HIRSCH, JULIUS. For simplified price control; big production, rather than O P A law, credited for success so far. *Barron's* 24(16): 3, 4. Apr. 17, 1944. 284.8 B27

Discussion includes food and agricultural products.

25345 HORNEDO, EDUARDO. Congelación de precios y salarios. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 54-56. Nov./Dec. 1943. 9.5 M31

Control of prices and wages, including agricultural prices, in Germany.

25346 MAHLER, J. H. 'Why all the ballyhoo over price compliance?' *Delicatessen* 12(4): 5, 13. Apr. 1944. 286.28 M21

Compliance of delicatessen trade with price ceilings.

25347 MILLER, C. J. Price control at the consumer level. *Northwest Indus.* 3(6): 4-10, processed. Mar. 1944. 280.8 M812

Includes food and agricultural products.

25348 SHEPHERD, GEOFFREY. Shepherd lists price floor possibilities. Pt. I-II. *Markets* 12(9): 6; (10): 4. Apr. 13, 20, 1944. 280.38 M343

Regulation of farm prices.

25349 TOOLE, A. A. A floating floor price for product in the post-war era. *Farmer's Advocate and Home Mag.* 79: 211, 243-245. Apr. 13, 1944. 7 F22

Urges that floor prices be based on cost of production.

#### PROCESSING AND STORAGE

25350 BAGNALL, D. J. T. Colour in food. (To be cont.) *Brit. Food Jour.* 46: 23-24. Mar. 1944. 389.8 B77

25351 BERSAGHI, M. N. Armazenamento de produtos agrícolas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 180-181. São Paulo, 1943. 31.9 Sa63

25352 CARROLL, MRS. L. C. A housewife looks at the locker industry. *Natl. Butter and Cheese Jour.* 35(4): 18-19. Apr. 1944. 286.85 B98Bu

25353 CHRISTENSEN, T. W. Frozen foods and the farmer. *Elect. West* 91(4): 79. Apr. 1944. 335.8 J82

25354 COLE, W. R., and GRIFFITHS, F. P. Questions and answers of the frozen foods locker industry. *Locker Operator* 5(9): 34-35, 41. Apr. 1944. 295.8 L79

25355 DELLWO, F. H. Future of dehydration depends upon industry cooperation. *Food Indus.* 16(4): 72-73. Apr. 1944. 389.8 F737

25356 HAVIGHORST, C. R. 1 percent moisture attained by vacuum dehydration. *Food Indus.* 16(4): 67-71. Apr. 1944. 389.8 F737

25357 \*KISELEV, L. Primernyi kladovshchik kolkhoza [An exemplary storehouse manager of the kolkhoz]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 135/136, 2 p. Dec. 1943. 281.8 Se4

25358 \*KISELEV, L. Za obraztsovoe vedenie skladsckogo khoziaistva v kolkhozakh [For a model warehouse management in the collective farms]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 112, 2 p. Oct. 1943. 281.8 Se4

25359 KISHLAR, LAMAR. Food of tomorrow. *Amer. Restaurant Mag.* 28(4): 38, 86, 88. Apr. 1944. 389.2538 Am3

Developments in food preservation.

25360 LAUD, D. S. Preservation of perishable foods in cold stores. *Indian Vet. Jour.* 20: 165-171. Jan. 1944. 41.8 In2

25361 LEDOCHOWSKI, J. S. M. Industrias de fermentación. Fermentación acetono-butílica. *Agricultura* [Madrid] 13: 18-22. Jan. 1944. 15 Ag84

25362 LUECK, R. H., and BRIGHTON, K. W. Behavior pattern of canned foods in wartime cans observed by research. (To be cont.) *West. Canner and Packer* 36(4): 18-19, 21. Apr. 1944. 286.83 W522

25363 LUMPKIN, MARTHA, and TUBBS, J. P. Can if you can. U. S. War Food Admin. Market. Activ. 7(3): 15-17, processed. Mar. 1944. 1.942 ABM34

Community canning at Decatur, Ga.

25364 FREDE, L. G. La deshidratación: lozano vástago de la industria alimenticia. *Hacienda* 39: 152-155, 157. Apr. 1944. 6 H11

Methods and advantages.

25365 PH AND some of its applications in food processing. *Food Preserv. Quart.* 3: 63-66, processed. Dec. 1943. 389.9 Au7F

25366 PLAN now for community canning. U. S. War Food Admin. Consumers' Guide 10(4): 11-13. Apr. 1944. 1.94 Ad422C

25367 RADLEY, J. A. Fluorescence analysis in the food industry. Pt. IV. *Food Manufacture* 19: 137-139. Apr. 1944. 389.8 F736

25368 TRESSLER, D. K., and MOYER, J. C. Dehydrated foods in the post-war era. *Fruit Prod. Jour.* and *Amer. Food Mfr.* 23: 239-241. Apr. 1944. 339.8 F94



25369 WRIGHT, ORVILLA. The battle for food preservation. Forecast for Home Econ. 59(5): 12-13, 38, 42, 44. May 1944. 321.8 F76

## STATISTICS

25370 AGRICULTURAL production, Los Angeles County [Calif.], 1943. Los Angeles County [Calif.], Chamber Com. South. Calif. Crops 20(3): A-B, processed. Mar. 1944. 252.09 L893S

Statistics.

25371 CANADA. WARTIME INFORMATION BOARD. Canada at war; No. 34, Special pictorial section. 79 p. Ottawa, Cloutier, 1944. 280.8 C163

Includes statistics of food production and exports.

25372 \*FEISST, ERNST. Unsere landesversorgung im vierten kriegsjahr. Rückblick und ausblick auf die massnahmen des Bundes zur sicherung unserer kriegsernährung. Landw. Jahrb. der Schweiz 57: 1-26. 1943. 17 L23

Also in French, p. 27-53.

Statistics of area and prices of agricultural products.

25373 \*GRONLUND, OTTO. L'agriculture en Suède d'après le recensement général agricole de 1937 et autres recherches statistiques complémentaires. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 202S-214S. May 1943. 241 In82A

25374 INSTITUTO AGRARIO ARGENTINO. Reseña general, histórica, geográfica y económica del Partido de "Campana" (Provincia de Buenos Aires). Inst. Agr. Argentino. Reseñas, Año 4, No. 24, 126 p. Buenos Aires, 1944. 281.9 B862

Includes a statistical survey of agriculture

25375 \*NETHERLANDS. BUREAU CENTRAL DE STATISTIQUE. L'agriculture, l'horticulture et l'élevage du bétail aux Pays-Bas de 1938 à 1942. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 255S-262S. June 1943. 241 In82A

Statistics.

25376 RUZZUTO, F. A. (H.) Información económico-financiera de la Argentina. Managua, Nicaragua. Cám. Nac. de Com. e Indus. Bol. (3a. época) 8(100/101): 6, 8-9, 11. Dec. 1943. 287 M316

Brief notes giving crop-production statistics.

## BEVERAGES AND CONDIMENTS

25377 CERESA, M. C. D. La cooperación en la industria vitivinícola (Contribución para resolver la crisis vitivinícola nacional). La Plata. Univ. Nac. Facul. de Agron. Rev. (3a. época) (1940) 25: 215-224. La Plata, 1943. 9 R32

Includes the economic and commercial advantages of regional cooperative wine shops.

25378 CUELLAR, ADOLFO. El comercio de café colombiano en el año de 1943. Rev. Nac. de Agr. [Bogotá] 37(476): 17-18, 23. Feb. 1944. 9.4 R32

25379 FERREIRA, R. DA C. Da super-produção à sub-produção de café. São Paulo (State) Superintendência dos Serv. do Café. Bol. 18: 812-814. Oct. 1943. 68.29 Sa63

A statistical review.

25380 \*FULVIO, A. DI. La production mondiale du café. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 171S-181S, 215S-234S. May-June 1943. 241 In82A

25381 GENTNER, LEO. wine price control for 1944. Wines and Vines 25(4): 15. Apr. 1944. 95.8 C122

25382 HARLER, C. R. A step forward in tea manufacture accomplished through new machines. Tea & Coffee Trade Jour. 86(4): 27-28. Apr. 1944. 68.8 T22

25383 JONES, L. W. How spices play their part in the war effort. Amer. Perfumer and Essential Oil Rev. 46(4): 53-54. Apr. 1944. 308.8 Am3

25384 \*M., J. Los vinos generosos de Andalucía occidental, joyas de la enología española. Surco [Madrid] 2(22): 14-15. Dec. 1943. 15 Su7

25385 MARCILLA, JUAN. Vinos defectuosos. Vinos, Viñas y Frutas 39: 255-256. Jan. 1944. 9 Ag89

Defects in wines.

25386 MARTIN, E. W. The menace of the present carton shortage. Wines and Vines 25(4): 19, 59. Apr. 1944. 95.8 C122

Cartons for bottled wines.

25387 PITKIN, E. C. Variety of coffee display methods increase sales in the St. Paul area. Tea & Coffee Trade Jour. 86(4): 16, 18. Apr. 1944. 68.8 T22

25388 SCHMIDT, C. B. A cultura do chá no Ribeira de Iguape. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 290-296. São Paulo, 1943. 31.9 Sa63

Chiefly on history, processing, and trade in tea in Brazil.

25389 SREERANGACHAR, H. B. Studies on the 'fermentation' of Ceylon tea. Biochem. Jour. 37: 653-674. 1943. 382 B52

Pt. 4. Estimation of the oxidizing enzyme activity.

Pt. 5. Comparative rates of oxidation of different

polyphenolic substrates by tea-oxidizing enzymes.

Pt. 6. The nature of the tea-oxidase system. Pt. 7.

The prosthetic group of tea oxidase.

25390 WALKER, ROBIN. Spice gives new zest to Britain's wartime menus. Spice Mill 67(4): 12-13. Apr. 1944. 389.8 Sp4

Spices available and their prices.

## DAIRY PRODUCTS

25391 CABO DE GUARDIA. La ruptura diplomática [de la Argentina con las naciones del Eje] y la exportación de productos lácteos. Esnea 30(1276): 1. Feb. 3, 1944. 44.8 Es5

25392 CAMERON, W. A. Cheese is the balance wheel of Canadian dairying. Canad. Dairy and Ice Cream Jour. 23(4): 32, 34. Apr. 1944. 44.8 C162

25393 COSGROVE, C. M. The secretary of Pure Milk Association, Chicago, reports for 1943. Pure Milk 18(3): 16-17. Mar. 1944. 280.28 P97

Includes statistics of milk sold.

25394 DELGADO CORREA, ALFREDO. El desarrollo de la industria lechera en el país ofrece ilimitadas perspectivas. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 1: 31, 32. Feb. 17, 1944. 9.9 G15B

25395 GAUMNITZ, E. W. Supply and demand for dairy products and probable effect on food habits. Dairy World [Chicago] 22(11): 13-14, 16-17, 54-55. Apr. 1944. 44.8 D1423

25396 HOWE, S. R. The dairy industry of Canada, past and present. C. S. T. A. Rev. [Canada], No. 40, p. 20, 22-24. Mar. 1944. 7 C167C

25397 MATHER, E. J. Milk for all after the war should be goal. Certified Milk 19(216): 15. Apr. 1944. 44.8 C33

25398 MILLER, J. D. History of the Dairyman's League. (Cont.) Dairyman's League News 28(1): 5, 12; (2): 5, 7; (3): 5, 7; (4): 5, 7; (5): 5, 7; (6): 5; (7): 7, 15; (8): 5, 16; (9): 5, 13. Jan. 4, 18, Feb. 1, 15, 29. Mar. 14, 28, Apr. 11, 25, 1944. 44.8 D1432



- 25399 PRENTICE, ROCKEFELLER. La industria lechera y su porvenir. Rev. Pecuaria, No. 58/59, p. 2-7. July/Aug. 1943. 49 R326
- 25400 RUSINOL, CARLOS. Aspectos del problema de la producción y consumo de la leche. Diario Rural 4(355): 10; (356): 10; (357): 10. Feb. 12, 16, 19, 1944. 9.9 D54
- The problem in Uruguay.
- 25401 SHEPARDSON, C. N. Dairying after the war. Prog. Farmer, Tex. Ed. 59(5): 25. May 1944. 6 T311
- 25402 SILCOX, W. B. Listen men. Ice Cream Field 43(4): 12-13, 43-44, 46-47. Apr. 1944. 389.8 Ic23
- A discussion of the dairy situation.
- 25403 SILCOX, W. B. Milk solids; latest figures on 1944 supplies vs. requirements. Ice Cream Trade Jour. 40(4): 32, 61. Apr. 1944. 389.8 Ic2
- 25404 SKINNER, RAYMOND. Milk industry's vital war role. Certified Milk 19(216): 9, 21-22. Apr. 1944. 44.8 C33
- 25405 WALKER, ROBIN. Less butter per capita may be in store for British. Natl. Butter and Cheese Jour. 35(4): 96-97. Apr. 1944. 286.85 B98Bu
- 25406 WINN, WALTER. A good year for co-operators. Pure Milk 18(3): 12-13, 23. Mar. 1944. 280.28 P97
- 1943 financial report of the Pure Milk Association of Chicago.

#### Analysis and Composition

- 25407 ARCHIBALD, J. G. Zinc in cows' milk. Jour. Dairy Sci. 27: 257-261. Apr. 1944. 44.8 J822
- 25408 CHEESE carrying typhoid in Alberta. Canad. Dairy and Ice Cream Jour. 23(4): 40. Apr. 1944. 44.8 C162
- 25409 CHRISTEN, CARLOS, and VIRASORO, ENRIQUE. Contribución al estudio del método de valoración del ácido ascórbico por el azul de metileno. Indus. Lechera 25: 709-713, 715-720. Nov. 1943. 44.8 In26
- Milk analysis.
- 25410 \*KRIMER, G. Bystroe opredelenie svezhesti moloka [Quick method of determining the freshness of milk]. Sel'so (Ser. Kolkhoz. Zhivotn.), v. 12, No. 232/233, 2 p. Dec. 1943. 49 Se4
- 25411 MASUROVSKY, B. I. The melt test. Ice Cream Trade Jour. 40(4): 48, 72. Apr. 1944. 389.8 Ic2
- 25412 MINUT, JUAN. Temas de mesología y ecología lechera: La prueba alcohólica en las centrales y la influencia de las temperaturas elevadas sobre la estabilidad de la leche. (Cont.) Indus. Lechera 25: 751-761. Dec. 1943. 44.8 In26
- 25413 \*MYRVOLD, OTTAR. Prøveuttakingen for fettbestemmelse i melk [Methods of taking samples for fat determination in milk]. Norsk Landbruk 9: 31. Feb. 5, 1943. 11 N8122
- 25414 \*\*STAHLBERG, S. Determination of the thermostability of milk by the calcium test. Molochno-Maslo del'naya Prom. 7(10/11): 11-13. 1940. Abs. in Chem. Abs. 38: 1570. Apr. 10, 1944. 381 Am33C
- 25415 WALLENFELDT, EVERET. Maximum production calls for quality milk...gives six-point factory program for better milk. Cheese Rpts. 68(35): 6, 26. Apr. 28, 1944. 44.8 Sh3
- Milk testing.

#### Distribution, Marketing, and Transportation

- 25416 FRENEAU, FERNANDO. Base económica legal para el abasto de leche a todas las poblaciones del país. Inst. Agr. Argentino. Comun., Año 6, No. 7, 66 p. Buenos Aires, 1944. Ref., p. 64-66. 281.9 B862C
- Includes the economic basis for price-fixing and the margin due to each element in the distribution process.
- 25417 HALLIDAY, I. G. Notes on milk distribution and consumption in Durban 1940-1941. Natal Univ. Col. Econ. Dept. Gen. Rpt. 15, 7 p. n. p., 1941. 280.9 N19
- 25418 HENNERICH, G. W. "The forgotten men" or post war merchandising in the ice cream industry. Ice Cream Rev. 27(9): 30, 32, 60, 62. Apr. 1944. 389.8 Ic22
- 25419 KNOX, F. J. Selling your milk in '43. Pure Milk 18(3): 14-15. Mar. 1944. 280.28 P97
- Marketing of milk by Pure Milk Association of Chicago.
- 25420 NETTO, F. A. Planos para pagamento do leite. Rev. dos Criadores 14(15): 46-50. Nov. 1943. 43.8 R32
- Discusses zones supplying milk to the City of São Paulo and the payment for the milk.
- 25421 OSSER, ESTHER. Spreading the butter. U. S. War Food Admin. Market. Activ. 7(3): 11-12, processed. Mar. 1944. 1.942 A8M34
- Government purchase and storage of butter to equalize the year-round supply.
- 25422 SPENCER, LELAND. Meeting New York milk demands. Amer. Milk Rev. 6: 106-108, 116-119. Apr. 1944. 44.8 Am38
- Milk supply, market conditions, and 1944 production prospects.

#### Grading, Inspection, Standardization, and Quality

- 25423 BENCHETRIT, ISSAC, MORSTEDT, E. A. H., and SCHNACK, A. A. Escala de puntos aplicable a la clasificación de caseínas. Campo [Buenos Aires, 28(328): 60, 65. Feb. 1944. 9 C15
- 25424 JOHNS, C. K. Recent developments in milk control. Med. Off. 71: 109-110. Apr. 1, 1944. 44.8 M462
- Dairy farm inspection, care and handling of milk, inspection and testing, and bacteriological control of pasteurized milk.
- 25425 OMMODT, B. J. Market specialist discusses Federal grading of cheese. Cheese Rptr. 68(35): 5, 28. Apr. 28, 1944. 44.8 Sh3
- 25426 SABEL, SAMUEL. Quality in sherbets; some timely comments on the current situation and its relationship to post-war sales. Ice Cream Trade Jour. 40(4): 29, 60-61. Apr. 1944. 389.8 Ic2
- 25427 SUMNER, IMA. Suggestions from the testing commission. Milk Prod. 20(4): 2. Apr. 1944. 280.38 M595
- On the importance of maintaining the standard of quality of milk and dairy products.
- 25428 WILSTER, G. H. Oregon license law for buttermakers and cheesemakers; is aid to quality programs. Cheese Rptr. 68(35): 4, 30-32. Apr. 28, 1944. 44.8 Sh3

#### Processing and Storage

- 25429 BARDIZ, ANATOLE. Elaboración del "queso Münster." Campo [Buenos Aires] 28(327): 8. Jan. 1944. 9 C15
- 25430 \*\*BELYAEV, A. Milk "champagne." Molochno-Maslo del'naya Prom. 7(10/11): 23-24. 1940. Abs. in Chem. Abs. 38: 1571. Apr. 10, 1944. 381 Am33C
- A drink prepared from whey, sugar, and yeast.



25431 BRUBAKER, D. D. Curds and whey--a la post-war. U. S. Farm Credit Admin. News for Farmer Coop. 11(1): 15. Apr. 1944. 166.2 M47

Some post-war possibilities in the processing and use of Cheddar cheese and whey.

25432 \*\*CHEBAKOV, M. Replacement of  $\text{NaHCO}_3$  by fresh skim milk in the preparation of cheese spread. Molochno-Maslo del'naya Prom. 7(12): 7-9. 1940.

Abs. in Chem. Abs. 38: 1571. Apr. 10, 1944. 381 Am33C

25433 COULTER, J. M. Fuentes de contaminación de la leche. Campo [Buenos Aires] 28(328): 12-13, 55. Feb. 1944. 9 C15

Discusses bacterial transmission to milk through the udder and through unsanitary processes.

25434 DAHLBERG, A. C. Characteristics of mixes that are important when varying milk products in frozen desserts. Ice Cream Rev. 27(9): 78-79. Apr. 1944. 389.8 Ic22

25435 DALGALARRANDO, JORGE. Elaboración del queso. (Cont.) Unión Agr. del Sur 1(4/5): 63. May 1943. 9.3 Un3

25436 DALGALARRANDO, JORGE. Los microbios y la leche. Unión Agr. del Sur 2(9): 54-57. Jan. 1944. 9.3 Un3

The bacteriology of milk.

25437 DEMERS, J. M. Dans une usine de lait condensé. Rev. d'Oka 18: 60-68. Mar./Apr. 1944. 7 Ok1

Deals in part with transportation, refrigeration, and evaporation.

25438 DICKHUTH, H. E. Milk cubes and revolution. Forbes 53(8): 12-13. Apr. 15, 1944. 280.8 F74

Possible effects on the milk industry of marketing milk dry in the form of bars or cubes.

25439 EEB, J. H. Sanitary control in the manufacture of ice cream. Ice Cream Rev. 27(9): 28. Apr. 1944. 389.8 Ic22

Also in Ice Cream Trade Jour. 40(4): 24, 59. Apr. 1944. 389.8 Ic2

25440 FERNÁNDEZ, GUSTAVO. La determinación del tiempo de coagulación; su importancia. Campo [Buenos Aires] 28(327): 28. Jan. 1944. 9 C15

Milk coagulation in cheese manufacture.

25441 HAMILTON, R. E. Injecting pectinized syrups, ices or sherbets into ice cream. Ice Cream Trade Jour. 20(4): 30. Apr. 1944. 389.8 Ic2

25442 JUDKINS, H. F. Maximum production of ice cream; without sacrificing quality in wartime. Ice Cream Trade Jour. 40(4): 37, 63-66. Apr. 1944. 389.8 Ic2

25443 \*KOESTLER, G. Ueber teigverschiedenheiten in ein und demselben Emmentalerkäse. Landw. Jahrb. der Schweiz 57: 266-289. 1943. 17 L23

25444 KRUKOVSKY, V. N., ELLIS, G. H., and BARNES, B. W. Further studies on oxidation of vitamin A and carotene in milk fat. Jour. Dairy Sci. 27: 249-255. Apr. 1944. 44.8 J822

25445 LEIGHTON, ALAN. Technical literature of ice cream for 1943. Ice Cream Rev. 27(9): 26, 66-72. Apr. 1944. Ref., p. 68-72. 389.8 Ic22

25446 MANDT, P. H. Modern Minnesota milk drying plant. Natl. Butter and Cheese Jour. 35(4): 14-17, 47-48, 51-52, 54, 56. Apr. 1944. 286.85 B98Bu

25447 MELO, ALEXANDRE DE. Leite crú e leite pasteurizado. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 488-492. São Paulo, 1943. 31.9 Sa63

25448 MILLER, P. G., and WISE, G. H. The effect of feeding cottonseed meal as the only concentrate on several properties of milk. I. Fat, total solids and ash content. II. Nitrogen distribution. III. pH, rennet coagulation, heat coagulation and curd tension. IV. Fat constants. Jour. Dairy Sci. 27: 275-296. Apr. 1944. Ref., p. 278-279, 285-286, 291, 296. 44.8 J822

25449 ODERKIRK, A. D., and RUDNICK, A. W. More dry milk needed. Iowa Farm Econ. 10(4): 14-16. Apr. 1944. 275.28 Io92

25450 \*OLIVEIRA, J. J. A. DE. Cromogênese microbiana e sua ocorrência no leite. Rev. de Med. Vet. [Lisbon] 38: 254-262. July/Sept. 1943. 41.8 R3215

25451 QUESO Roquefort: operaciones a seguir en su elaboración. Campo [Buenos Aires] 28(327): 18. Jan. 1944. 9 C15

25452 REID, W. H. E. Flavour in cottage cheese. Canad. Dairy and Ice Cream Jour. 23(4): 58. Apr. 1944. 44.8 C162

25453 RIDDLE, A. J. Fine quality [Cheddar] cheese...precision cheesemaking an art, also a science. Cheese Rptr. 68(35): 12, 21. Apr. 28, 1944. 44.8 Sh3

25454 \*SCHÖNBERG, F. Zum einfluss des gelben galts auf die gelbfluoreszenz der kuhmilch. Ztschr. f. Fleisch u. Milchhyg. 53: 215-216. Aug. 15, 1943. 449.8 Z35

25455 SPROULE, W. H. The flavour quality of milk; the natural agreeable flavour of milk can be lost because of absorption. Canad. Dairy and Ice Cream Jour. 23(4): 46, 50. Apr. 1944. 44.8 C162

25456 TRACY, P. H., HOSKISSON, W. A., and TRIMBLE, J. M. Wheat germ oil as an antioxidant in dairy products. Jour. Dairy Sci. 27: 311-318. Apr. 1944. Ref., p. 317-318. 44.8 J822

Experiments with fluid milk, frozen cream, and powdered whole milk.

25457 TURNER, C. W. Varying fat content of milk. Hoard's Dairyman 89: 236-237. Apr. 15, 1944. 44.8 H65

25458 VÁQUEZ PONCE, ANTONIO. Fuentes de contaminación de la leche en el tambo. Buenos Aires (City). Bolsa de Cereales, Rev. 31(1639): 25-29. Feb. 26, 1944. 287 B866

25459 VLEESCHAUWER, A. DE. La lucha contra los peligros de infección en las fabricas. Indus. Lechera 25: 696-702. Nov. 1943. 44.8 In26

Quality butter manufacture.

#### FEED AND FORAGE CROPS

25460 FAIRBANKS, B. W. Adjust feed programs to shortage. Natl. Live Stock Prod. 22(7): 1. Apr. 1944. 280.38 N21

25461 HOLMAN, R. L. Curing hay in the barn gives quality roughage. Natl. Live Stock Prod. 22(7): 7. Apr. 1944. 280.38 N21

Tells about the aircuring system devised by the University of Tennessee.

25462 NORTON, C. L. Recent developments in the feed supply. Dairymen's League News 28(8): 6, 16. Apr. 11, 1944. 44.8 D1432

25463 TOMHAVE, A. E. The feed outlook for poultrymen not good. Peninsula Broiler Jour. 3(22): 1, 4. Mar. 20, 1944. 47.8 P37

#### FIBERS AND TEXTILES

25464 BEHRENS, E. C. Wool industry's life line. Vital part played by exports. Wool Rec. & Textile World 65: 423-425, 427. Mar. 16, 1944. 54.8 W884

25465 BERSAGHI, M. N. Produção agrícola: o beneficiamento do algodão - Detalhes importantes para a melhora de sua qualidade - A oportunidade das presentes informações. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 241-243. São Paulo, 1943. 31.9 Sa63

25466 BRANDT, C. D. Qualities of textile fibres. Canad. Textile Jour. 61(7): 35-36, 47-48. Apr. 7, 1944. 304.8 C16



- 25467 CAVADINI, P. A. Actividad de las hilanderías de algodón en la Argentina en 1942 y su consumo de fibra de algodón. Argentina. Junta Nac. del Algodón. Bol. Mens., No. 101/102, p. 467-482. Sept./Oct. 1943. 72.9 Ar3
- 25468 COX, A. B. Maximum values from cotton in 1944. Tex. Business Rev. 17(2): 7-8. Mar. 1944. 280.8 T312
- 25469 DRACKETT, H. R. By-passing the sheep. Sci. Amer. 120: 217-219. May 1944. 470 Sci25  
Artificial fiber from soybean protein.
- 25470 DUGGAN, I. W. American cotton after the war. South. Weekly 44(8): 6-9. Feb. 19, 1944. 280.8 So852  
Post-war problems of the industry.  
Also in South. Banker 82(4): 15, 54. Apr. 1944. 284.8 So3
- 25471 \*DUPONT, G., and ESCOURROU, R. Essais de cuisson de diverses matières cellulosiques (palmier nain, zizania, sarments, parasolier, fromager, pin). Chim. & Indus. [Paris] 47: 470-474. Apr. 1942. 383 C42  
Processing of fibers for use in paper manufacture.
- 25472 FAWCETT, C. J. Review of the work of the National Wool Marketing Corporation, Boston, Mass. during 1943. Wool News 9(9): 8-9. Apr. 1944. 280.28 W882
- 25473 GARCÍA-MATA, RAFAEL. El algodón en la postguerra. Argentina. Junta Nac. del Algodón. Bol. Mens., No. 101/102, p. 445-447. Sept./Oct. 1943. 72.9 Ar3  
Post-war prospects for development of the Argentine cotton industry.
- 25474 GARRARD, W. M. Garrard continues fight on cotton futures market. Cotton Digest 16(30): 8. Apr. 23, 1944. 286.82 C822  
Criticizes present price policies of the New York Cotton Exchange.
- 25475 GERDES, F. L. Spinning quality of cotton is greatly helped by preparation. (Cont.) Cotton Trade Jour. 24(18): 7. Apr. 29, 1944. 72.8 C8214
- 25476 HARTUS. The wool grower and the wool merchant. Fibre and Fabric 97(3088): 6. Apr. 8, 1944. 304.8 F44
- 25477 HILBERT, HANNS. Oestliche baumwolle. Textil-Ztg. 20(164): 1. Oct. 19, 1943. 304.8 T3133  
Cotton production in Ukraine.
- 25478 JOHNSON, E. H. World exports of carpet wool reduced by war. U. S. Off. Foreign Agr. Relat. Foreign Crops and Markets, Mar. 1944, p. 129-135. processed. 1.9 St2F
- 25479 JONES, C. S. Synthetic fibres and other substitutes. (Concl.) India Rubber Jour. 106: 309-310, 312. Mar. 18, 1944. 305.8 In21  
Includes soybean, nettle, and seaweed fibers.
- 25480 JONES, MARVIN. Cotton goes to war. South. Weekly 44(8): 4-5. Feb. 19, 1944. 280.8 So852  
Wartime requirements and utilization of cotton.
- 25481 LACEY, J. J. This is wool harvest time. Wool News 9(9): 10. Apr. 1944. 280.28 W882  
Factors in producing high-quality wool.
- 25482 LEICHT, B. H. The Wisconsin Cooperative Wool Growers Association. Dairyland News 14(8): 1, 5. Apr. 24, 1944. 280.28 W752
- 25483 \*LÜDTKE, MAX. The double retting of flax. Retting and working up. Water and straw. Eastfaser 1, 49-58 (1941).  
Abs. in Chem. Abs. 38: 1645. Apr. 10, 1944. 381 Am33C
- 25484 LUNDGREN, H. P., and O'CONNELL, R. A. Artificial fibers from corpuscular and fibrous proteins. Indus. and Engin. Chem., Indus. Ed. 36: 370-374. Apr. 1944. 381 J825
- 25485 MCCRORY, S. H. Summary of Government hemp activities. Cord Age Mag. 41(4): 14, 16, 34. Apr. 1944. 73.8 C812  
Statement before a subcommittee of the Senate Committee on Agriculture and Forestry, Apr. 5, 1944.
- 25486 MCGARRY, W. L. Preparation of the wool clip for appraisalment. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 267-272. Dec. 1943. 23 V52J
- 25487 MCMAHON, P. R. Wool research. Straight Furrow 3(2): 13. Dec. 15, 1943. 281.8 St8  
Effect of heredity and environment of sheep upon wool quality.
- 25488 MOLYNEAUX, PETER. Cotton's future in Oklahoma. South. Weekly 44(11): 4-7; (12): 7-11. Mar. 11, 18, 1944. 280.8 So852  
The second installment of this address was published with title: American Cotton After the War. On the need for post-war restoration of export markets.
- 25489 MOORE, A. S. Some thoughts on post war relation of linen to cotton. Linens and Domestic 38(1): 61. Apr. 1944. 304.8 L642
- 25490 MORRIS, GEORGE. Parity in price of cotton, not reflected in textile ceiling prices. Cotton Digest 16(28): 5, 16. Apr. 8, 1944. 286.82 C822
- 25491 MURRAY, L. T. Cotton in the post-war world; some means must be found for American cotton to compete in price with other fibers. East Tex. 18(8): 9. May 1944. 6 Ea73
- 25492 NAGEL, W. O. Fur as a crop on Missouri farms. Mo. Conserv. Comn. Conserv. Bul. 3, 12 p. Jefferson City, 1943? 275.9 M69
- 25493 OLLERA, D. E. El algodón será en el futuro, para nuestro país, una riqueza agrícola que alcance a 800 millones de pesos por año? Cac. Algodonera 20(240): 1-8. Jan. 31, 1944. 72.8 G11  
Statistics and post-war prospects for the Argentine cotton industry.
- 25494 PAULSON, W. E. Mabank Gin succeeds in spite of handicaps. Prog. Farmer, Tex. Ed. 59(5): 24. May 1944. 6 T311  
Activities of the Farmers Cooperative Gin Association of Mabank, Tex., since it was organized in 1935.
- 25495 R., E. Finanzas para el Contador Prof. Rafael Salazar Trejo. Mag. Financ. Ilus. "Yucatán" 1(4): 15, 22. Feb. 1944. 73.8 M27  
Rafael Salazar Trejo's solutions for the henequen depressions of Yucatán.
- 25496 SALAZAR TREJO, RAFAEL. El Gerente Ejecutor de Henequeneros de Yucatán nos habla del porvenir económico del Estado. Mag. Financ. Ilus. "Yucatán" 1(4): 11-12. Feb. 1944. 73.8 M27  
On the henequen industry.
- 25497 SAVAGE, E. Your wool after the war; the light of past experience focussed [sic] on future wool marketing problems. Merino Breeders' Jour. 5(2): 6-11. Apr. 1943. 45.8 So8
- 25498 SCATTERTY, J. H. Some illusions and realities about cotton futures markets. Cotton Trade Jour. 24(18): 1, 6. Apr. 29, 1944. 72.8 C8214
- 25499 SCHMIDT, C. B. As fibras têxteis; necessidade e importancia da sua produção. São Paulo (State). Sec. da Agr., Indus. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 215-217. São Paulo. 1943. 31.9 Sa63
- 25500 VANSTEENKISTE, CONSTANT. Over de te banen weg naar de toekomstige economie; onze vlasnijverheid zoekend naar nieuwe economische wegen. Moniteur Textile 6(3): 11, 13. Mar. 1, 1940. 304.8 M74
- 25501 VANSTEENKISTE, CONSTANT. Vrede en economie; het nu en straks voor onze nationale vlasnijverheid. Moniteur Textile 5(12): 13, 15. Dec. 1, 1939. 304.8 M74



25502 VIANNA, ARLINDO. Fios animais: - cat-gut, seda, crina de florença, corda de viola e linhas para anzol. Fauna [São Paulo] 1(7): 12-13. July 1942. 410 F272

25503 WABESGAUSS, M. E. South American flax flares to new prominence. Pt. 1, Peru. Linen and Domestic 28(1): 63. Apr. 1944. 304.8 L642

25504 WESTBROOK, FRANCIS, JR. The outlook for rayon. Forbes 53(9): 12-13. May 1, 1944. 280.8 F74

25505 WINDER, G. N. The American wool growing industry. Sheep and Goat Raiser 24(7): 8, 18, 20, 38-40. Apr. 1944. 45.8 Sh3

#### FRUITS, VEGETABLES, AND NUTS

25506 ARMSTRONG, P. S. The future of citrus co-ops. Coop. Digest 4(11): 56-58. May 1944. 280.28 C7896

25507 \*BEINERT. Kein kartoffelkraut verbrennen! Landesbauernschaft Sachsen. Wchnbl. 91: 393. Sept. 4, 1943. 18 Sal  
Farm uses for potato tops.

25508 CHRISTENSEN, JOHN. 1943 activities of the Northeastern Vegetable and Potato Council. Conn. Veg. Growers' Assoc. Proc. (1943)31: 45-47. 75.9 C76

25509 FRASER, ROSCOE. Vegetable growers enter contest early. Hoosier Farmer 29(4): 14. Apr. 1944. 280.82 H76

The fourth annual production and marketing contest of the National Junior Vegetable Growers' Association.

25510 \*GENEVOIS, L. Les jus de fruits, naturels et concentrés. Chim. & Indus. [Paris] 48: 188-192, 254-258. Oct. Nov., 1942. 383 C42

25511 HUACO, S. A. Las papas en el Perú son consideradas como el pan del pobre; es necesario cultivar variedades comerciales. Chacra 14(160): 34-35, 39. Feb. 1944. 9 C34

25512 JACOB, H. E. The relation of grape maturity to the yield, composition and quality of raisins. Dehydration Conf. for Grapes and Cut Fruits. [Rpt.] 1944: 12-24, processed. 389.9 D36

25513 LAMONT, T. E. Dry bean situation in New York. N. Y., Erie Co. Farm and Home Bur. News 30(3): 2. Mar. 1944. 275.293 N. Y., Erie Co.

25514 MCCULLOUGH, W. B. Seed potato situation in Argentina. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 337-341. Apr. 22, 1944. 286.8 C16

25515 MCMURTREY, M. S., and STOEZ, A. D. Save soils and pass the jelly. U. S. Soil Conserv. Serv. Soil Conserv. 9: 224-225. Apr. 1944. 1.6 So3S

Food from small fruits grown in windbreaks and shelterbelts in the Northern Great Plains.

25516 PARSONS, EARLE, JR. Junior V. G. A. [Vegetable Growers Association] entries coming from forty States. Market Growers Jour. 73: 122, 138. Apr. 1944. 6 M34

Vegetable production and marketing contest.

25517 PRICE, ELINOR. Onions are on the way. U. S. War Food Admin. Market. Activ. 7(3): 9-10, processed. Mar. 1944. 1.942 A8M34  
Market supply of onions.

25518 RODRIGUES FILHO, A. J. O consumo da laranja; seu valor alimentar - Como incentivar seu consumo - Propaganda e organização do mercado. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 198-200. São Paulo, 1943. 31.9 Sa63

25519 RUSH, GEO. Vegetable production in Ontario - past, present and future. Canad. Hort. 67: 79-80. Apr. 1944. 80 C16

Changes and development of the industry. Includes marketing.

25520 SANDERS, F. R., and ROBERTSON, J. K. Cultivation of papaw and production of papain. East African Agr. Jour. 9: 173-174. Jan. 1944. 23 Ea74  
Includes cultivation, tapping, processing of the latex, and packing of the papain.

25521 SAVASTANO, JULIO. El porvenir de la olivicultura argentina. Vinos, Viñas y Frutas 39: 249-251. Jan. 1944. 9 Ag89

Development of the olive industry.

Also in Campo [Buenos Aires] 28(329): 28, 30-31. Mar. 1944. 9 C15

25522 \*SCHWARZ, EMIL. Bericht betreffend die durchführung der aktion 1942 zur förderung der verwertung von einheimischen tafeltrauben. Landw. Jahrb. der Schweiz 57: 73-89. 1943. 17 L23

Also in French, p. 90-106.

Control of quality, distribution, and prices of table grapes.

25523 SETRAKIAN, A. Report on the raisin program [in California, 1943]. Wines and Vines 25(4): 24. Apr. 1944. 95.8 C122

25524 TAYLOR, P. R. [Government] rules and regulations and their influence on growers of miscellaneous vegetables, strawberries and potatoes. Conn. Veg. Growers' Assoc. Proc. (1943)31: 17-28. 75.9 C76

25525 VANDEMAN, CARL. Apple research in western Carolina. Carolina Co-op., Apr. 1944, p. 8, 11, 20. 72.8 N81

25526 WOEK, PAUL. The vegetable year of 1943. Moderate production and good prices marked the season. Market Growers Jour. 73: 118, 140. Apr. 1944. 6 M34

#### Distribution, Marketing, and Transportation

25527 CLEMMER, C. W. Let your seed potato needs be known. East. States Coop. 20(1): 24-25. Jan. 1944. 280.28 Ea7

Cooperative handling of seed potatoes.

25528 DONALDSON, R. B. Cooperation markets vegetables. East. States Co-op. 20(3): 10-11. Mar. 1944. 280.28 Ea7

Activities of the Philadelphia Vegetables Growers' Cooperative Association.

25529 DONALDSON, R. B. Our neighbors--the Pennsylvania growers--how they intend to meet the 1944 situation. Conn. Veg. Growers' Assoc. Proc. (1943) 31: 48-56. 75.9 C76

Chiefly on marketing fruits and vegetables.

25530 HAUCH, C. W. New set-up to aid apple growers; Ohio Apple Institute will furnish market service and data. Ohio Farmer 193(7): 25. Apr. 1, 1944. 6 Oh3

Correlation of all activities of the apple industry in Ohio.

25531 MCGREW, E. C. The 1943 cranberry market. Amer. Cranberry Growers' Assoc. Proc. (1944)74: 23-25. 81 Am35M

25532 MUNTZ, O. K. Ohio's potato marketing program. Ohio Veg. and Potato Growers Assoc. Proc. (1943)28: 30-36. 75.9 Oh3

25533 PAINE, K. E. Seed potato shipping starts soon. East. States Coop. 20(2): 17. Feb. 1944. 280.28 Ea7

25534 PAINE, K. E. Why buy seed potatoes on the pool? East. States Coop. 20(2): 12-13. Feb. 1944. 280.28 Ea7

25535 \*PALAZÓN, I. La exportación de naranja. Surco [Madrid] 2(22): 19-21. Dec. 1943. 15 Su7

25536 SCHMIDT, C. B. Exportação de bananas; os trabalhos da Divisão de Fiscalização e Classificação de Produtos Agrícolas do Departamento de Produção Vegetal. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 208-209. São Paulo, 1943. 31.9 Sa63



Grading, Inspection, Standardization, and Quality

- 25537 WHITTAKER, E. C. Grading and packing of apples and pears. Agr. Gaz. N. S. Wales 55: 65-66. Feb. 1, 1944. 23 N472

Industrial Utilization

- 25538 PULLEY, G. N., MOORE, E. L., and ATKINS, C. D. Grapefruit cannery waste yields crude citrus pectin. Food Indus. 16(4): 94-96, 136-137. Apr. 1944. 389.8 F737

Prices, Price Control, and Rationing

- 25539 BUSH, G. W. Vegetable ceilings displease Florida growers. Market Growers Jour. 73: 84, 94, 101. Mar. 1944. 6 M34
- 25540 CLARK, J. H. Price ceilings for berries and small fruits, in 1944. Amer. Cranberry Growers' Assoc. Proc. (1944)74: 8-9. 81 Am35M
- 25541 CLOWES, H. G. Price ceilings as applied to onions and potatoes. Ohio Veg. and Potato Growers Assoc. Proc. (1943)28: 37-42. 75.9 Oh3
- 25542 DEMPSEY, P. W. Gives varieties and suggested prices for Victory garden plants. Florists' Rev. 94(2419): 21-22. Apr. 6, 1944. 80 W41
- 25543 EHRLICH, MELVILLE. Price control for the 1944 packs of processed fruits and vegetables. West. Canner and Packer 36(4): 23, 35, 43. Apr. 1944. 286.83 W522
- 25544 GRAY, S. J. Prices are set for B. C. certified seed potatoes. Country Life [Brit. Columbia] 28(3): 9. Apr. 1944. 7 C832
- 25545 \*MORALES ANTEQUIR, CARLOS. Del campo manchego; después de la vendimia - algunas reflexiones. Surco [Madrid] 2(22): 24-26. Dec. 1943. 15 Su7  
Considers the season's grape prices.
- 25546 REITZ, J. W. [Florida] citrus grower smashing records; a box of citrus for everyone in United States. Fla. Grower 52(4): 11. Apr. 1944. 80 F66  
Chiefly on prices.
- 25547 REVZAN, D. A. The wholesale price structure for oranges, with special reference to the Chicago auction market. Jour. Business, Univ. Chicago 17(1, pt. 2): 1-109. Jan. 1944. 280.8 J825
- 25548 SWARTZ, HOWARD. Ceilings for peaches, berries due in '44. Ill. Fruit Exch. News 9(1): 1, 4. Apr. 1944. 286.83 IL6  
Price control on apples, strawberries, peaches, and sweet potatoes.

Processing and Storage

- 25549 BALLANTYNE, J. A. Drying fruits in the home. Agr. Gaz. N. S. Wales 55: 66-69. Feb. 1, 1944. 23 N472
- 25550 BRIANT, A. K., and TIDBURY, G. E. Numerical estimation of pineapples suitable for canning. East African Agr. Jour. 9: 154-156. Jan. 1944. 24 Ea74  
Statistical method for determining the proportion of fruit suitable for canning.
- 25551 CASTRO, RODOLFO. La industria de la conserva casera de hortalizas. Campo [Buenos Aires] 28(328): 24. Feb. 1944. 9 C15
- 25552 CLEVELAND, ROB. N. S. fruit growers study cold storage. Marit. Farmer and Coop. Dairyman 49(15): 5, 18. May 2, 1944. 7 C77  
Proposed erection of a cold storage plant and study of the storage and marketing setups in apple districts by the Nova Scotia Fruit Growers' Association.
- 25553 CONTINENTAL CAN CO. New facts about packaging and storing dehydrated foods. Part III. Powdered dehydrated cranberries. Food Indus. 16(4): 76-78, 135. Apr. 1944. 389.8 F737

- 25554 CROCE, F. M. Algunos productos que se pueden obtener de las peras. Campo [Buenos Aires] 28(327): 24, 45. Jan. 1944. 9 C15  
Methods of preserving pears.

- 25555 CROCE, F. M. Desecación de duraznos al sol. Chacra 14(160): 44-47, 58-59. Feb. 1944. 9 C34

- 25556 CRUESS, W. V. Purpose of the dehydration conference. Dehydration Conf. for Grapes and Cut Fruits. [Rpt.] 1944: 4-5, processed. 389.9 D36
- 25557 DOWSETT, C. P. The Australian canned fruits industry. Rural Bank N. S. Wales. Farm Front 2: 24-27. Feb. 1944. 281.9 R883

- 25558 FISHER, C. D. Moisture determination in dried fruits and its importance. Dehydration Conf. for Grapes and Cut Fruits [Rpt.] 1944: 38-40, processed. 389.9 D36

- 25559 FOOTE, C. C. Less canned goods for civilians. Iowa Farm Econ. 10(4): 11. Apr. 1944. 275.28 Io92

- Stresses need for home canning of fruits and vegetables.

- 25560 FORGACS, JOSEPH. Effects of alternate freezing and thawing upon the normal microflora of various apple juices. Ill. Hort. 33(2): 5-6. Apr. 1944. 80 IL66

- 25561 GOBATO, CELESTE. Conselhos sobre a vinificação da uva. Rio Grande do Sul (Prov.), Brazil. Sec. de Estado dos Negocios da Agr., Indús. e Com. Secç. de Inform. e Propag. Agr. Bol. 10, 16 p. Porto Alegre, 1943. 9.2 R473

- 25562 HAAK, P. J. Adventures in canning fruits and vegetables. Prog. Farmer, Tex. Ed. 59(5): 40. May 1944. 6 T311

- 25563 HOEL, L. A. Notes on slow freezing and thawing of canned olives. Fruit Prod. Jour. and Amer. Food Mfr. 23: 242. Apr. 1944. 389.8 F94

- 25564 IRELAND, ROBERT. Freezing prunes packed in barrels. West. Canner and Packer 36(4): 57. Apr. 1944. 286.83 W522

- 25565 KRONE, P. R. Vegetable and fruit varieties suitable for freezing. Hort. News 10: 40. Apr. 1944. 80 H7815

- 25566 \*LLEÓ VANO, JOAQUÍN. Monografías de divulgación de industrias agrícolas; extracción de esencias de los agrios. Surco [Madrid] 2(22): 10-13. Dec. 1943. 15 Su7

- 25567 LOTT, R. V. Large peaches are more desirable for canning than small ones. Ill. Hort. 33(2): 4-5. Apr. 1944. 80 IL66

- 25568 MILLER, T. C. Apple storage experiments - Effect of skin coatings. Report on common storage experiment carried out at Perth during 1943 season. Treatment of Granny Smith apples with castor oil shellac solution. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 334-337. Dec. 1943. 23 V52J

- 25569 MRAK, E. M. Field observations made during the 1943 grape drying season. Dehydration Conf. for Grapes and Cut Fruits [Rpt.] 1944: 35-37, processed. 389.9 D36

- 25570 NAGEL, L. E. Pickling cauliflower. Tex. Farming and Citric. 20(9): 11. Mar. 1944. 80 T31

- 25571 OWEN, R. C., and BETTENAY, W. J. The preservation of fruits in the home. West. Austral. Dept. Agr. Jour. (Ser. 2) 20: 322-331. Dec. 1943. 23 V52J

- Canning and bottling and drying.

- 25572 PEILE, R. M. Home preservation of peaches. Victoria. Dept. Agr. Jour. 42: 92-93. Feb. 1944. 23 V66J

- 25573 PHAFF, H. J. Dehydration of cut fruits. Dehydration Conf. for Grapes and Cut Fruits [Rpt.] 1944: 41-50, processed. 389.9 D36



25574 RABAK, WILLIAM, and DIEHL, H. C. "Fondant-like" formation on fruits caused by crystallization of sucrose; WRRL [Western Regional Research Laboratory, research determines nature of formations on commercially stored frozen "sugar-pack" fruits. West. Canner and Packer 36(4): 55. Apr. 1944. 286.83 W522

25575 REYES F., EDUARDO. Métodos sencillos para almacenar algunas verduras. Ciudad Juárez, Mex. Esc. Particular de Agr. Bol. (Ser. 2) 72, 8 p. n. d. 102 C492

25576 ROMERO BELTRÁN, ANTONIO. Cosecha y conservación de limones. Chacra 14(160): 24. Feb. 1944. 9 C34

Includes handling of the fruit after harvesting and storage.

25577 SCOTT, W. J., and STEWART, D. F. The influence of dissolved tin on the growth of Clostridium botulinum in canned vegetables. 1. Experiments with beetroot and carrots. Austral. Council Sci. & Indus. Res. Jour. 17: 16-22. Feb. 1944. 514 Au72J

25578 SORBER, D. G. The relation of the sulfur dioxide and total sulfur contents of dried apricots to color change during storage. Fruit Prod. Jour. and Amer. Food Mfr. 23: 234-237, 251. Apr. 1944. 389.8 F94

25579 TINDALE, G. B. Carrot storage experiments. Victoria. Dept. Agr. Jour. 42: 71-72, 74. Feb. 1944. 23 V66J

25580 TRESSLER, C. J., JR. A determination of the critical drying temperature of cranberries. Fruit Prod. Jour. and Amer. Food Mfr. 23: 243, 249. Apr. 1944. 389.8 F94

25581 U. S. WESTERN REGIONAL RESEARCH LABORATORY. Test for adequacy of blanching in frozen vegetables. Fruit Prod. Jour. and Amer. Food Mfr. 23: 238. Apr. 1944. 389.8 F94

25582 VELDHUIS, M. K., and NEUBERT, A. M. Free-stone peach varieties for canning in Washington. Fruit Prod. Jour. and Amer. Food Mfr. 23: 229-233. Apr. 1944. 389.8 F94

25583 WATSON, MALCOLM. Grape dehydration during the past season and plans for 1944. Dehydration Conf. for Grapes and Cut Fruits. [Rpt.] 1944: 6-11, processed. 389.9 D36

25584 WEIR, T. S. How long will Minnesota apples keep? Minn. Fruit Grower 11(1): 3. Mar. 1944. 80 M66

25585 WOODROOF, J. G., and ATKINSON, I. S. Preparation of sweet potatoes for freezing. Locker Operator 5(9): 14, 31. Apr. 1944. 295.8 L79

25586 WOOTON, L. B. Raising cooperation toward the 7th degree. U. S. Farm Credit Admin. News for Farmer Coop. 11(1): 14-15. Apr. 1944. 166.2 N47  
Cooperative apple packing and storage by the Oroville Independent Growers Association, Inc., Oroville, Wash.

#### Statistics

25587 QUEVEDO, C. V. Mendoza y el olivo. Campo [Buenos Aires] 28(329): 60. Mar. 1944. 9 C15  
Statistics of the industry.

25588 REIS, J. C. G. DOS. Prognósticos sobre a safra paulista de frutas para o ano de 1942. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 210-215. São Paulo, 1943. 31.9 Sa63

25589 WEISS, H. B. The 1943 cranberry crop [in New Jersey]. Amer. Cranberry Growers' Assoc. Proc. (1944) 74: 5-6. 81 Am35M  
Statistics.

#### GRAIN AND GRAIN PRODUCTS

25590 BAKER, J. C., PARKER, H. K., and MIZE, M. D. The action of oxydizing agents on sulfhydryl compounds in dough. Cereal Chem. 21: 97-107. Mar. 1944. 59.8 C33

25591 BAUMGARTEN, W., BAUERNFEIND, J. C., and BORUFF, C. S. Carotenoids in corn distillers' by-products. Indus. and Engin. Chem., Indus. Ed. 36: 344-347. Apr. 1944. 381 J825

25592 BAYFIELD, E. G. Research needs of the milling industry. Assoc. Oper. Millers Bul., Apr. 1944, p. 1350-1351. 298.9 As7  
Also in Northwest. Miller 218(2, sect. 2): 4a-5a. Apr. 12, 1944. 298.8 N81

25593 \*CEYLON. DEPT. OF AGRICULTURE. Storage of grain. Ceylon. Dept. Agr. Leaflet 200, 5 p. Colombo, 1942. 22.5 C33L

25594 DUNBABIN, M. I. Wheat. Rural Bank N. S. Wales. Farm Front 1: 111-114, processed. Aug. 1943. 281.9 R883

Australian wheat policy.

25595 GÓMEZ, M. R. Carta del Ing. Marte R. Gómez, Secretario de Agricultura y Fomento al Ing. Mamuel A. Hernández. Economista [Mexico] 11(123): 9-10. Apr. 1, 1944. 280.8 Ec793

Discusses statistics of corn consumption in Mexico.

25596 HASSELMANN, J. F. Bleaching and maturing of wheat flour. Assoc. Oper. Millers Bul., Apr. 1944, p. 1352. 298.9 As7

Also in Mod. Miller 71(18): 17. Apr. 29, 1944. 298.8 M72; Northwest. Miller 218(2, sect. 2): 8a-9a. Apr. 12, 1944. 298.8 N81

25597 HILBERT, G. E., DIMLER, R. J., and RIST, C. E. Wheat flour: a potential raw material for the expanded production of starch and sirups. Amer. Miller 72(4): 32, 34, 37, 78-80. Apr. 1944. 298.8 Am32

25598 \*HOPF, LEO. Das bespannungsproblem bei type 1790 und feuchtem rogen. Deut. Müllerei, Heft 9, p. 91. July 30, 1943. 298.8 D48

25599 ISELY, C. C. Calcium, the magic mineral. Northwest. Miller (Sect. 2) 218(2): 3a, 6a-7a. Apr. 12, 1944. 298.8 N81

Discussion of the mineral content of soils on the milling quality, baking and nutritional characteristics of wheat.

25600 JASNY, N. Wheat prices and milling costs in classical Rome. Stanford Univ. Food Res. Inst. Wheat Studies 20: 137-170. Mar. 1944. 59.8 F73

25601 LEPAGE, H. S. A armazenagem dos grãos alimentícios. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 177-180. São Paulo, 1943. 31.9 Sa63

25602 MCCULLOUGH, W. B. Agricultural notes from Argentina. Canada. Dept. Trade and Com. Com. Intel. Jour. 70: 326. Apr. 15, 1944. 286.8 C16  
Quotes new minimum corn price for 1943-44 crop.

25603 MARTIN, G. W. National bread. Food Manufacture 19: 129-131. Apr. 1944. 389.8 F736  
Analysis of constituents according to British standards.

25604 MEHTA, V. K. Village grain banks. Bombay Co-op. Quart. 27: 179-185. Dec. 1943. 280.28 B63

Organization and management of grain supply depots in villages, for times of shortage.

25605 \*MUELLER, G. Klumpiges mehl, eine folge unsachgemässer vermahlung und lagerung. Deut. Müllerei, Heft 8, p. 80-81. July 16, 1943. 298.8 D48

25606 O'BRIEN, P. R. The impending crisis in feed and food grains. Mod. Miller 71(15): 14-15. Apr. 8, 1944. 298.8 M72



25607 SAIR, L., and FETZER, W. R. Water sorption by cornstarch and commercial modifications of starches. *Indus. and Engin. Chem., Indus. Ed.* 36: 316-319. Apr. 1944. 381 J825

25608 \*SCH. Über das hektolitergewicht des getreides, insbesondere der gerste. *Deut. Millerei, Heft 1*, p. 1. Apr. 9, 1943. 298.8 D48

25609 SCHIPPER, J. E. Miracle saved much of N. D. wheat crop. *Natl. Grain Jour.* 28(4): 6, 28-29. Mar. 1944. 298.8 C83

25610 STERN, ROSA. Effects on flour doughs of extracts from unfermented and fermented wheat germ. *Cereal Chem.* 21: 81-97. Mar. 1944. 59.8 C33

25611 SUMNER, J. B., and COMERS, G. F. The water-soluble polysaccharides of sweet corn. *Arch. Biochem.* 4: 7-9. Apr. 1944. 381 Ar2

25612 SWANSON, C. O., and ANDREWS, A. C. Factors which influence the physical properties of dough. VI. Effect of cysteine and some other substances on mixogram patterns. *Cereal Chem.* 21: 140-149. Mar. 1944. 59.8 C33

25613 YOUNG, H. D., and BAYFIELD, E. G. Effect of hydrocyanic acid on the baking quality of flour. *Cereal Chem.* 21: 149-154. Mar. 1944. 59.8 C33

#### HONEY AND BEESWAX

25614 AMOS, J. M. The production and present uses of beeswax. *Pa. Beekeeper* 19(1): 3-5. Mar. 1944. 424.8 P38

25615 COFFEY, H. E. Who will pack the 1944 crop? Scheme brewing to make beekeepers production slaves, and to make packers overlords of industry. *Beekeepers' Item* 28: 85-87. Mar. 1944. 424.8 B397

25616 FRAZER, JERE. Where do we go from here? *Beekeepers' Item* 28: 82-85. Mar. 1944. 424.8 B397

25617 \*HAUSE, CARL. Die sonderaktion 1943. *Nordwestdeut. Bienenztg.* 1: 61-62. Aug. 1943. 424.8 N75

Processing and distribution of honey.

25618 HOFFMAN, A. H. Wax supplies. A review of the current market outlook for carnauba, candelilla, ouricury and beeswax. *Soap and Sanit. Chem.* 20(4): 113, 141. Apr. 1944. 307.8 S612

25619 NUEVOS decretos sobre envases y exportación de miel. *Rev. de Apic.* 20(240): 4-5. Feb. 1944. 424.8 R325

Gives decrees of Argentine Ministry of Agriculture with comments.

25620 TOMÉO IBARRA, H. P. Coloración de la cera de abejas. (Cont.) *Chacra* 14(160): 14. Feb. 1944. 9 C34

25621 TOMÉO IBARRA, H. P., and ETCHANDY, A. M. Empleo de la miel en la preparación de crema helada. *Chacra* 14(161): 30. Mar. 1944. 9 C34

See also Apiculture and Apis Mellifera in Entomology section.

#### LIVESTOCK AND LIVESTOCK PRODUCTS

See also Dairy Products; Poultry and Poultry Products.

25622 \*AKKERMAN, CEVAT, and BEKMAN, MUZAFFER. Türkiye'nin et meselesi [Meat situation in Turkey]. *Türkiye Ziraat Vekâleti. Neşriyat. U. Sayı* 533 (Vet. Serisi 13), 271 p. Ankara, 1942. Ref. 25 T842

25623 BASTERRECHHA, L. DE. Calidad, categoria y rendimiento de las carnes de vacuno en Venezuela. *Rev. Pecuaria*, No. 60/63, p. 16-17. Sept./Dec. 1943. 49 R326

Based upon study of cattle processed in the Ganadería Industrial Venezolana.

25624 BROWN, MARY. Matching skins up to 5s. a pair. *Poultry Farmer* [London] 110(2857): 8. Mar. 24, 1944. 47.8 F312

Utilization and prices of rabbit skins.

25625 BROWNFIELD, A. D. National livestock problems discussed by Brownfield. *Coastal Cattleman* 10(2): 26-29. Apr. 1944. 43.8 C63

Government regulation and future marketing outlook.

25626 CALDERÓN AGEZ, JULIO. La evolución de la ganadería en el estrecho de Magallanes. *Argentina Austral* 14(144): 114-117. June 1943. 120 M522

A history of the livestock, particularly the sheep industry in Magallanes, including statistics for stocks of sheep, number of packing plants, and processing of sheep.

25627 DETAILS of Meat Commission's report; sale on dead-meat grade and weight basis recommended; suggested drafting of scheme under Marketing Act. *Farmer's Weekly* [Bloemfontein] 66: 850-851. Jan. 19, 1944. 24 F225

Summarizes the report of the Meat Commission which investigated the meat industry of the Union of South Africa.

25628 DUNHAM, C. B. Butchers' quartermaster school established within Camp Lee, Va. *N. Y. State Assoc. Retail Meat Dealers Bul.* 19(7): 9. Apr. 4, 1944. 286.85 M42

25629 HINSHAW, KENNETH. Shall we grow some livestock? *East. States Coop.* 20(2): 8-11. Feb. 1944. 280.28 Ea7

The livestock industry and its prospects in the Northeastern States.

25630 KEEPPER, W. E. Less grain to feed more livestock creates an urgent farm problem. *Pa. Agr. Expt. Sta. Sci. for the Farmer* (Bul. 446, Sup. 2), p. 1, 10. Mar. 1944. 100 P381

25631 MCCOLL, E. L. Irish dairy and live-stock industry. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 347-350. Apr. 22, 1944. 286.8 C16

Principal breeds, prices of breeding stock, statistics of milk production, exports, and legislation.

25632 MANGUM, MILTON. Spring and summer beef supplies. *U. S. War Food Admin. Market. Activ.* 7(3): 13-14, processed. Mar. 1944. 1.942 ASM34

25633 MANN, L. B. Post-war possibilities for livestock co-ops. *U. S. Farm Credit Admin. News for Farmer Coop.* 11(1): 4, 19-21. Apr. 1944. 166.2 N47

25634 PEMBERTON, ROLLIE. Food helps in winning war. *Chester White Jour.* 34(4): 3. Apr. 1944. 46.8 W582

Problems in maintaining pork production with feed shortage.

25635 PEMBERTON, ROLLIE. The hog raiser's problem in '44. *Berkshire News* 9(6): 7, 32, 34. Apr. 1944. 46.8 B454

Government price control and the feed supply.

25636 PIERINE, SILVIO. O preço da carne e a defeza da pecuária. *Vida Rural e Econ.* 5(10/11): 20-21. Oct./Dec. 1943. 9.2 V662

25637 POLLOCK, R. C. Meat in the war and the post-war period. (Concl.) *Coastal Cattleman* 10(2): 14-16. Apr. 1944. 43.8 C63

25638 PRATES, PACHECO. Os problemas de suprimento da carne. *Vida Rural e Econ.* 5(10/11): 25-27. Oct./Nov. 1943. 9.2 V662

Refers to Rio Grande do Sul, Brazil.

25639 PURCHASE, H. S. Production of rennet on the farm. *East African Agr. Jour.* 9: 151. Jan. 1944. 24 Ea74

25640 \*RODRÍGUEZ DE TORRES, MARIANO. La libertad de la carne. *Surco* [Madrid] 2(21): 2. Nov. 1943. 15 Su7

On removal of restrictions on meat production in Spain.



- 25641 SAUNDERSON, M. H. Wartime changes in Great Plains cattle production. Iowa Farm Econ. 10(4): 8, 10. Apr. 1944. 275.28 1092
- 25642 TAYLOR, CLIFFORD C. The hog situation in the United States. C. S. T. A. Rev. [Canada], No. 40, p. 13-14, 16-19. Mar. 1944. 7 6167C
- Production, consumption, and prices in Canada and the United States.
- 25643 ZAVORAL, H. G. Hog situation. Chester White Jour. 34(4): 8. Apr. 1944. 46.8 W582

#### Distribution, Marketing, and Transportation

- 25644 BISSON, J. E. De nouveaux débouchés pour le boeuf canadien. Terre de Chez Nous 16(24): 23. Mar. 15, 1944. 7 T27
- Export problems of the Canadian beef surplus.
- 25645 BRENNEN, C. A. Plan now to market more beef in 1944. Amer. Hereford Jour. 34(23): 6-7, 66. Apr. 1, 1944. 43.8 Am32
- 25646 CUFF, R. L. Bruises cost millions and farmers pay the bill. Kans. Farmer 81(8): 1, 17. Apr. 13, 1944. 6 K13
- Bruising and crippling of slaughter cattle in transit to market.

- 25647 DELGADO CORREA, ALFREDO. La importación de cerdos como medida de emergencia frente al problema que afecta a la industria porcina. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 1: 59. Mar. 2, 1944. 9.9 G15B
- Imports into Uruguay of inspected slaughtered hogs from Argentina.

- 25648 EASTERBROOK, L. F. Marketing fat cattle in Great Britain. Coastal Cattleman 10(2): 17-18. Apr. 1944. 43.8 C63

- 25649 MAC COLL, E. D. Conferencia del Dr. Mac Eachen en la Federación Rural. Diario Rural 4(356): 12. Feb. 16, 1944. 9.9 D54
- Reports an address by Dr. Mac Eachen in which he discussed the future marketing of Uruguayan meat and wool.

- 25650 MANN, L. B. Analyse livestock marketing; U. S. authority points to new post-war trends; farmer action, grading, freezing and processing. Rural Co-op. 8(8): 1, 2, 4. Apr. 18, 1944. 280.28 R88

- 25651 MOUNT, C. A. Selling Easter rabbits. Poultry & Rabbit Monthly 12(4): 12. Apr. 1944. 47.8 P8654

- 25652 STARK, D. H. Saving livestock truck mileage. Mich. Farmer 202(8): 5, 10. Apr. 15, 1944. 6 M58

- Outlines a county livestock transportation conservation plan developed by leaders in the livestock industry.

#### Grading, Inspection, Standardization, and Quality

- 25653 FALCIONI, A. C. El peligro de las carnes de consumo no inspeccionadas. Res 11: 15.127-15.129. Nov. 5, 1943. 286.85 R31
- Diseases transmitted through meat.

- 25654 SWARTZ, FLOYD. Grading your own pelts by club cooperation. Small Stock Mag. 28(4): 22, 23, 30, 31. Apr. 1944. 48.8 P442

- 25655 VILARES, J. B. A classificação da carne bovina para efeitos comerciais e industriais. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 502-506. São Paulo, 1943. 31.9 Sa63

#### Industrial Utilization

- 25656 LOW, MARGARET. Leather from bacon rinds. Hide and Leather and Shoes 107(15): 14. Apr. 8, 1944. 303.8 H53

- 25657 PATWORTH, D. Fur collars from the rabbit hutch. Poultry [London] 94: 153. Mar. 7, 1944. 47.8 P869

- Possibilities of utilizing the skins of table rabbits.

- 25658 VIANNA, ARLINDO. Chifres e cascos de animais. Fauna [São Paulo] 1(11): 39. Nov. 1942. 410 F272

- Utilization of horns and hoofs of animals.

#### Prices, Price Control, and Rationing

- 25659 BERESFORD, REX. Feeder cattle prices reach danger point! Iowa Farm Econ. 10(4): 9, 10. Apr. 1944. 275.28 1092

- 25660 CALZADILLA VALDEZ, F. La carne. Rev. Pecuaria, No. 56/57, p. 16-17. May/June 1943. 49 R326

- Reasons for the proposal of the Asociación Nacional de Ganaderos of Venezuela to raise the price of cattle on the hoof.

- 25661 HUSTON, B. T. Meat demand firm as Canada ends rationing. Super Market Merchandising 9(4): 70-71. Apr. 1944. 389.8 Su7

- 25662 \*OTT. Die künftige preisgestaltung für fohlen auf den absatzveranstaltungen. Landesbauernschaft Niederschlesien. Wchnbl. 10: 289-290. May 15, 1943. 18 S13

- 25663 ROY, J. B. Nouveau plan pour l'émission des permis d'abattage. Bul. des Agr. 40(3): 27. Mar. 1944. 7 B872

- Simplification in procedure for obtaining farm slaughtering permits under the rationing program.

- 25664 SHEPHERD, GEOFFREY. What price hogs? After March, 1945!—Explanation of what 90 percent parity means. Ind. Farmers' Guide 100(8): 3. Apr. 15, 1944. 6 In2

- 25665 TOLEDO, S. L. Las tarifas actuales del ganado no cubren los gastos de la explotación de los fundos. Rev. Pecuaria, No. 60/63, p. 13-15. Sept./Dec. 1943. 49 R326

- Gives figures for cost of producing cattle to show that the price received is not high enough. Figures relate to three states of Venezuela.

- 25666 VASS, A. F. Fair price relationship for beef, cattle. Amer. Cattle Prod. 25(11): 13-16. Apr. 1944. 49 P94

#### Processing and Storage

- 25667 FARQUHAR, R. R. The post-war locker industry. Meat Merchandising 20(4): 30-33. Apr. 1944. 286.85 M462

- 25668 HECK, M. C. Meat supply should be cured, prepared for storing by now. Ark. Ext. Serv. Rev. 26(4): 2. Apr. 1944. 275.29 Ar4C

- 25669 HILBERT, F. L. The technology of tanning. Part 2. The art and science of leather making. Hide and Leather and Shoes 107(11): 33-36. Mar. 11, 1944. 303.8 H53

- 25670 HINER, R. L., and KAUFFMAN, W. R. Coating of fat protects meat against freezer burn. Food Indus. 16(4): 84-87, 137. Apr. 1944. 389.8 F737

- 25671 LA ROE, WILBUR, JR. The meat packer in 1944. (To be cont.) Butchers' Advocate 115(16): 11-14. Apr. 19, 1944. 286.85 B97

- Continued in issue of Apr. 26, p. 11-13.

- 25672 PATWORTH, D. How to get top prices for your pelts. Poultry [London] 94: 137. Feb. 29, 1944. 47.8 P869

- Preparation of rabbit skins and demand for them.

- 25673 SNOW, C. F. Home dressed rabbit pelts. Mod. Poultry Keeping 50: 173. Mar. 8, 1944. 47.8 Eg3



- 25674 TROUTWINE, C. L. Tanning hog and pigskin leather. Hide and Leather and Shoes 107(15): 13-14. Apr. 8, 1944. 303.8 H53
- 25675 WILCOX, E. V. Home cured meat in Ethiopia and Baffin Island. Amer. Vet. Med. Assoc. Jour. 104: 198. Apr. 1944. 41.8 Am3
- 25676 WILSON, W. K. Don't cure rabbit skins at home. Poultry Farmer [London, 110(2857): 8. Mar. 24, 1944. 47.8 F312
- Includes directions for those who wish to try it.

#### Statistics

- 25677 WATSON, M. A. The history and economics of cattlehide leather tanning. (Cont.) Shoe and Leather Rptr. 234 (2): 12-14. Apr. 8, 1944. 303.8 Sh7
- Statistics of world supply, and of Argentine exports of hides and skins.

#### OILS AND OILSEEDS

- 25678 \*BEHRENS, GUSTAV. Noch mehr fettl Land-esbauernschaft Württemb. Wehnl. 110: 353-354. June 12, 1943. 18 W96
- Urges increased production.
- 25679 BILLARD, J. J., and AIUB, ALBERTO. La soja: estudio económico; posibilidades de su cultivo en la Argentina. Buenos Aires. Univ. Facul. de Agron. y Vet. Inst. de Econ. y Leg. Rural. [Pub.] 4(5): 147-273. 1943. Ref. 281.9 B86
- Includes history, international trade in beans and oil, and prices.
- 25680 \*BOKER, H. Production et consommation des huiles et graisses comestibles en Suisse. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 177E-191E. May 1943. 241 In82A
- 25681 CERQUEIRA, P. O. DE. Notas sobre o amendoim. Pernambuco (State), Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 61-64. June 1943. 9.2 P432
- Peanut production and uses and characteristics of the oil.
- 25682 CERQUEIRA, P. O. DE. Sobre um método de dosagem de óleo. Pernambuco (State), Brazil. Sec. de Agr., Indús. e Com. Bol. 10(2): 33-37. June 1943. 9.2 P432
- Testing of oilseeds for oil content.
- 25683 CHILDS, W. H. Slab oil - a raw material "orphan." Mfg. Confectioner 24(4): 17. Apr. 1944. 389.8 M31
- 25684 CLAY, H. J. Available peanut stocks dwindle as industry looks ahead to 1944 crop. Peanut Jour. and Nut World 23(6): 15, 17. Apr. 1944. 77.8 P313
- 25685 DIES, E. J. Our common interests. Soybean Digest 4(5): 9, 12. Mar. 1944. 60.38 So9
- Discussion of soybeans.
- 25686 \*\*DUBLYANSKAYA, N. F. The oil of various kinds of sunflower. Maslichnye Kul'tury, Rezul'taty Raboty Vsesoyuz. Nauch.-Issledovatel. Inst. Maslichnykh Kul'tur za 1939, 1940, 379-86.
- Abs. in Chem. Abs. 38: 1133. Mar. 10, 1944. 381 Am33C
- 25687 DUNN, J. E. Soybean crop possibilities in central and eastern Washington. Chemurg. Digest 3: 83. Mar. 31, 1944. 381 N213Na
- 25688 \*EBERLEIN, L. Fettgewinnung in tieferen schichten eines nährmediums mit oospora. Forschungs-dienst, Sonderheft 16, p. 743. Berlin, 1942. 18 F772
- 25689 \*\*FAURE, J. C. A. Post-war supplies of oil, oilseeds and fats: an estimate of the quantities required to provision Europe and the world, and a survey of likely sources. Crown Colonist 14: 241-243. Apr. 1944.
- Noted in Pub. Aff. Inform. Serv. Bul. 30: 15. Apr. 15, 1944. 241.11 P96
- 25690 FRYBARGER, ARLINGTON. New deal for cottonseed meal? Amer. Miller 72(4): 84, 86. Apr. 1944. 298.8 Am32
- 25691 GUENTHER, ERNEST. Oil of lovage. Spice Mill 67(3): 37, 39. Mar. 1944. 389.8 Sp4
- 25692 GUENTHER, ERNEST. Production and characteristics of oil of anise. Food Indus. 16(4): 79-81. Apr. 1944. 389.8 F737
- 25693 GUENTHER, ERNEST. A survey of American and European peppermint oils. Pt. VII. Mfg. Confectioner 24(4): 20-22. Apr. 1944. 389.8 M31
- 25694 GUENTHER, ERNEST. A survey of oil of gualac wood. Amer. Perfumer and Essential Oil Rev. 46(3): 44-45. Mar. 1944. 308.8 Am3
- 25695 GUENTHER, ERNEST. World-wide survey of oil of lavender. Amer. Perfumer and Essential Oil Rev. 46(4): 45-49. Apr. 1944. 308.8 Am3
- 25696 JACKSON, F. L., and LONGENECKER, H. E. The fatty acids and glycerides of babassu oil. Oil and Soap 21: 73-75. Mar. 1944. 307.8 J82
- 25697 KISHLAR, LAMAR. Our common interests. Soybean Digest 4(5): 9. Mar. 1944. 60.38 So9
- Discussion of soybeans.
- 25698 \*\*KORITNIG, O. T. The stabilization of fats by freezing. Z. Eis.-u. Kälte-Ind. 36, No. 2, 9-11 (1943).
- Noted in Chem. Abs. 38: 1654. Apr. 10, 1944. 381 Am33C
- 25699 LANGTON, H. M. Milk products, fatty oils and oilseeds. Food 13: 79-81. Mar. 1944. 389.8 F738
- 25700 \*LLEÓ VANO, JOAQUÍN. Monografías de divulgación de industrias agrícolas. Esencias de flores y de brotes de los agrios. Surco [Madrid] 3(23): 9-11. Jan. 1944. 15 Su7
- Essential oils from citrus fruits.
- 25701 MCPHERSON, W. K. We'll eat more soybeans. South. Canner and Packer 4(12): 10-12. Dec. 1943. 389.8 So82
- 25702 MALONE, C. E. Future of soybean oil meal. Grain & Feed Jour. Consolidated 92: 283. Apr. 12, 1944. 298.8 G762
- 25703 MALONE, C. E. Present position of soybeans and a look at the future [excerpt from an address]. Soybean Digest 4(5): 10-11. Mar. 1944. 60.38 So9
- 25704 MEYER, A. C. A cultura e o aproveitamento das plantas oleaginosas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 315-321. São Paulo, 1943. 31.9 Sa63
- The tung and castor oil and peanut industries in the State of São Paulo.
- 25705 MONTGOMERY, DONALD. Rolling in fat. Ammunition 2(4): 23-25. Apr. 1944. 283.8 Am6
- The Government's fat salvage campaign, and the waste of fats by the soap industry.
- 25706 \*NICOLAISEN, W. Wann dreschen und liefern wir die oel Saat? Landesbauernschaft Württemb. Wehnl. 110: 382. June 26, 1943. 18 W96
- 25707 \*PAJARI, KOSTI. Untersuchungen über das kiefern-rindenöl II. Fette u. Seifen 50: 506-512. Nov. 1943. 384 G422
- Chemistry of oil made from pine bark.
- 25708 PISKUR, M. M. Review of literature on fats, oils and soaps for 1943. Part 1. Oil and Soap 21: 65-72. Mar. 1944. 307.8 J82
- Part 2 in April issue, p. 108-123.
- 25709 PRINZ, M. V. H. The dramatic story of soy flour: It began in Vienna. Soybean Digest 4(5): 4. Mar. 1944. 60.38 So9
- 25710 REWALD, BRUNO. The oil and phosphatides content of some petals and stamens. Oil and Soap 21: 93-95. Mar. 1944. 307.8 J82



25711 RIEMENSCHNEIDER, R. W., TURNER, J., and AULT, W. C. Improvement produced in the stability of lard by the addition of vegetable oils. Oil and Soap 21: 98-100. Apr. 1944. 307.8 J82

25712 ROACH, H. L. The Iowa farmer and his soybean baby [excerpt from an address]. Soybean Digest 4(5): 11-12. Mar. 1944. 60.38 So9

25713 RODRIGUES FILHO, A. J. A indústria de óleos cítricos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 200-204. São Paulo, 1943. 31.9 Sa63

Refers to the industry in São Paulo.

25714 RODRIGUES FILHO, A. J. Notas sobre a indústria de óleos cítricos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 204-208. São Paulo, 1943. 31.9 Sa63

Method of extracting citrus oils.

25715 \*\*RUTGERS, R. Refining oils and fats. Oilën, Vetten Oliezaden 25, 325-7, 342-3, 352-4, 368-9, 406-8, 414-16, 449-53 (1941).

Noted in Chem. Abs. 38: 1654. Apr. 10, 1944. 381 Am33C

25716 SCHOLFIELD, C. R., and BULL, W. C. Relation between the fatty acid composition and the iodine number of soybean oil. Oil and Soap 21: 87-89. Mar. 1944. 307.8 J82

25717 SMITH, GEO. The oil meal situation. Grain & Feed Jour. Consolidated 92: 286. Apr. 12, 1944. 298.8 G762

25718 \*SOROA, J. M. DE. Acto de conciliación entre los partidarios de estos o de aquellos métodos de extracción de aceite. Surco [Madrid] 3(23): 24-25. Jan. 1944. 15 Su7

Olive oil extraction.

25719 \*SOROA, J. M. DE. Tertulia en un molino aceitero. Surco [Madrid] 3(23): 22-23. Jan. 1944. 15 Su7

Extraction of olive oil.

25720 \*\*SPIRK, LUDVIK. The extraction of fats and fatty substances from needles, wood and bark of trees. Chem. Listy 35, 84-5 (1941).

Abs. in Chem. Abs. 38: 1131. Mar. 10, 1944. 381 Am33C

25721 STANLEY, JOSEPH. El frijol de soya en la industria. Medicina; Rev. Mex. 24: 51-55. Apr. 10, 1944. 448.8 M4693

25722 \*STEGEM, ALPH., and LOON, J. VAN. Magerbutterensamenöl. Fette u. Seifen 50: 505. Nov. 1943. 384 C422

Manufacture and composition of oil made from wild rose hips.

25723 \*THALER, H., and GROSEFF, W. Zur kenntnis der getreidekeimöle IV: Die zusammensetzung des maiskeimöles. Fette u. Seifen 50: 513-514. Nov. 1943. 384 C422

25724 THORNTON, M. H., JOHNSON, C. S., and EWAN, M. A. The component fatty acids of soybean lecithin. Oil and Soap 21: 85-87. Mar. 1944. 307.8 J82

25725 WALLS, E. P. Edible soybeans. Peninsula Hort. Soc. [Del.] Trans. (1943) 57: 53-57. 81 P37

#### POULTRY AND POULTRY PRODUCTS

25726 ADDISON, LORD. The opportunity before the poultry industry. Mod. Poultry Keeping 50: 208-209. Mar. 22, 1944. 47.8 Eg3

Post-war policy for the poultry industry in Great Britain.

25727 BEES, H. B. Dehydrated eggs in Canada. Food Manufacture 19: 103. Mar. 1944. 389.8 F736

25728 BLANCHET, JEAN. La Société coopérative avicole de Rimouski: son organisation, ses activités. Terre de Chez Nous 16(23): 13. Mar. 8, 1944. 7 T27

25729 BUTLER, EUGENE. Turkeys are ringing the profit bell. Prog. Farmer, Tex. Ed. 59(5): 14, 52. May 1944. 6 T311

25730 \*EIDGENÖSSISCHES KRIEGS- ERNÄHRUNGS- AMT. SEKTION FÜR NUTZGEFLÜGEL UND EIERVERSORGUNG. Neuorganisation des Verbandes schweizerischer Eierverwertungsgenossenschaften SEG und der angeschlossenen Eierverwertungsgenossenschaften. Landw. Jahrb. der Schweiz 57: 54-69. 1943. 17 L23

25731 FILIATRAULT, E. La Coopérative Fédérée de Québec: Les services avicoles de la Coopérative Fédérée. Terre de Chez Nous 16(23): 4, 28. Mar. 8, 1944. 7 T27

25732 GROFF, C. G. Recent egg price drop explained. Farm and Ranch Rev. 40(4): 3. Apr. 1944. 7 F223

Egg prices in Canada.

25733 HORWOOD, E. G. Producers' responsibility to deliver quality eggs. Manitoba Co-op. 1(19): 3. Apr. 1, 1944. 280.28 M31

Need for keeping eggs clean.

25734 HOWES, H. Preparing for coming expansion. Farming News and No. Brit. Agr. 96(8): 17. Feb. 18, 1944. 10 N82

Expansion of poultry stock.

25735 JOHNSON, LAMONT. Dried eggs help win the war. West. Farm Life. Herdsmen Ed. 46(7): 3, 13. Apr. 1, 1944. 6 R153

A description of the Carothers and Clark egg dehydrating plant in Denver, Colo.

25736 KING, C. H. Wisconsin Hatcheries Assn.: co-op young, yet as old as the commercial hatchery industry. Dairyland News 14(7): 1, 5. Apr. 10, 1944. 280.28 W752

25737 LYNN, E. M. Poultry meat inspection. Amer. Vet. Med. Assoc. Jour. 104: 206-207. Apr. 1944. 41.8 Am3

25738 MCCOLL, E. L. Poultry and egg industry in Ireland. Canada. Dept Trade and Com. Com. Intel. Jour. 70: 319-322. Apr. 15, 1944. 286.8 C16

25739 NISSEN, H. J. The cold storage situation today. Coop. Poultryman 9(4): 7-8. Apr. 1944. 47.8 C782

Chiefly on the storage facilities for eggs in Southern California.

25740 OXFORD, H. W. Tamworth's poultry industry of major importance. Farmer and Settler 37(52): 11. Jan. 28, 1944. 23 F226

25741 PEARCE, J. A., WOODCOCK, A. H., and GIBBONS, N. E. Dried whole egg powder. X. The effect of added substances on keeping quality. (Abs.) Canad. Jour. Res. Sect. F, Technol. 22: 34-38. Mar. 1944. 470 C16F

25742 PRODUCCIÓN y deshidratación de huevos en la República Argentina. (To be cont.) Mundo Avíc. 7(72): 4-8, 14-15. Feb. 1944. 47.8 M92

25743 RAIMO, H. F. A entrada de frangos e galinhas na cidade de S. Paulo. Rev. dos Criadores 14(15): 73-74. Nov. 1943. 43.8 R32

Statistics, including prices.

25744 ST. JOHN, J. L., and CASTER, A. B. Bound water in egg white. Arch. Biochem. 4: 45-49. Apr. 1944. 381 Ar2

25745 SARASQUETA, P. A. DE. Producción y deshidratación de huevos en la República Argentina. Buenos Aires. Univ. Facul. de Agron. y Vet. Inst. de Zootec., T. 2, fasc. 1, 54 p. Buenos Aires, 1943. 49.9 B86

Also in Mundo Avíc. (Cont.) 6(71): 20-22. Jan. 1944. 47.8 M92

25746 SAVAGE, R. E. Army inspection of eviscerated poultry. Amer. Vet. Med. Assoc. Jour. 104: 208-211. Apr. 1944. 41.8 Am3



- 25747 SHEPHERD, A. R. Fibre cases for storage and handling of eggs. *Ice and Refrig.* 106: 205-206. Apr. 1944. 295.8 Ie2
- 25748 SWENSON, T. L. Poultry products research at Western Regional Research Laboratory. *Washcoegg* 21(12): 21, 29. Apr. 1944. 47.8 W27  
Deals mostly with dried eggs.
- 25749 WARD, G. H. The egg and poultry situation. *Va. Farm Econ.*, No. 61, p. 834, 838. Apr. 1944. 275.29 V813  
Situation in Virginia.
- 25750 WILLIAMS, JACK. The egg market. *Coop. Poultryman* 9(4): 9. Apr. 1944. 47.8 C782

## RUBBER AND RUBBER SUBSTITUTES

- 25751 BRESSMAN, E. N. El caucho (natural o sintético). *Rev. de Agr. [Costa Rica]* 16(1): 17-19, 22-24. Jan. 1944. 8 Esl
- 25752 CAMARGO, F. C. Considerações relativas ao problema de formação de seringais na Amazônia. Pará, Brazil. *Inst. Agron. do Norte. Cir.* 1, 25 p. Belém, 1943. 9.2 P213
- 25753 FENNEL, T. A. Rubber from Haiti - a battle against time. *Jour. Geog.* 43: 153-158. Apr. 1944. 278.8 J82  
The cryptostegia project of the Societe Haitaine-Americaine de Development Agricole, in Haiti.
- 25754 HOSEH, M. Recent Russian literature on natural and synthetic rubber--VIII. *India Rubber World* 110(1): 59-60, 63. Apr. 1944. 305.8 In2
- 25755 MORRIS, R. E., and others. The compounding of guayule rubber; effect of antioxidants. *India Rubber World* 110(1): 57-58, 63. Apr. 1944. 305.8 In2  
R. R. James, W. B. Lew, and T. A. Werkenthin, joint authors.
- 25756 U. S. DEPT. OF STATE. Plantation rubber investigations; agreement between the United States of America and Honduras, continuing in force an agreement of February 28, 1941... and text of agreement of February 28, 1941. U. S. Dept. State. Exec. Agreement Ser. 358, 14 p. Washington, 1944. (Pub. 2086) 150 Ex3

## SEEDS

- 25757 BOYLE, R. H. Record world flaxseed production in 1943. U. S. Off. Foreign Agr. Relat. *Foreign Crops and Markets*, Mar. 1944, p. 94-103, processed. 1.9 St2F  
Statistical review, with tables.
- 25758 FOLSOM, STANLEY. Seed is concentrated ammunition. Use it wisely. *Minn. Seed Grower* 17(2): 1-2. Apr. 1944. 61.8 M66
- 25759 GRIFFITHS, A. E. Seeds and dehydrated vegetables--Arizona's new food production tools: 3,000 acres of onion, beet, carrot, cabbage, and cauliflower seed crops planted for processors. *West. Canner and Packer* 36(4): 45, 47. Apr. 1944. 286.83 W522
- 25760 \*KARUNIN, B. Obmolot i vytyranie semian trav [Threshing of grass seeds]. *Sel'so (Ser. Kolkhoz. Zeml.)*, v. 12, No. 153/154, 4 p. July 1943. 20 Se48
- 25761 MUNN, M. T. Eliminate the element of chance in buying and using seed. *Farm Res. [N. Y. State Sta.]* 10(2): 16. Apr. 1944. 100 N48A
- 25762 NATTRASS, R. M. Seed testing for farmers. *East African Agr. Jour.* 9: 152-153. Jan. 1944. 24 Ea74

## SUGAR AND SIRUPS

- 25763 AZNÁREZ, J. G. Conferencia sobre la industria azucarera en el Uruguay. *Indus. Azucarera* 49(803): 29-30. Jan. 1944. 65.8 In22

- 25764 BALCH, R. T., and BROEG, C. B. Sugarcane wax studies, 1942-1943. (Cont.) *Sugar Bul.* 22: 106-109. Apr. 15, 1944. 65.9 Am32
- 25765 BEAUCHAMP, C. E. La utilización de los productos secundarios de la industria azucarera. *Asoc. de Téc. Azucareros de Cuba. Bol. Ofic.* 3(1): 12-17. Mar. 1944. 65.9 As5B
- 25766 BUSCHLEN, M. J. How cooperative activities of sugar companies, agricultural college, and beet growers function in the Farmers and Manufacturers Beet Sugar Association. *Amer. Soc. Sugar Beet Technol. Proc.* (1942)3: 203-207. 1943. 66.9 Am35

- 25767 CRANE, J. C. Envases de azúcar: la ro-sella contra el yute. *Rev. Nac. [Habana]* 3(29): 17. Apr. 1944. 280.8 R3295
- 25768 LA FABRICACIÓN del alcohol con guarapo y melazas de caña. *Rev. de Agr. y Com. [Panama]* 3(28): 26-29. Dec. 1943. 8 R3291
- 25769 LAMBORN, O. H. Peligro mortal: el que acecha al azúcar cubano. *Rev. Nac. [Habana]* 3(28): 7. Mar. 1944. 280.8 R3295  
The trend towards lowered consumption of sugar in the United States and its meaning for the Cuban sugar industry.

- 25770 \*MARTHAIRE, MAURICE. La distillerie de betteraves. *Chim. & Indus. [Paris]* 48: 113-116. Aug. 1942. 383 C42  
Alcohol production.
- 25771 \*MÜLLER, HANS. Über die wertigkeit des scheide-saturationschlammes. *Mitt. f. die Landw.* 58: 863. Oct. 16, 1943. 18 D48M  
Chemical composition and utilization as fertilizer and feed.
- 25772 PHILLIPS, ELMER, and BOOTH, KENNETH. Making war alcohol at Sunnyside. Its problems and their solutions. *Wines and Vines* 25(4): 51-53, 56. Apr. 1944. 95.8 C122  
Alcohol from Hawaiian molasses.
- 25773 SANTIESTEBAN, TEODORO. Consejo a tiempo: colonos, ni una caña más. *Rev. Nac. [Habana]* 3(28): 15-16. Mar. 1944. 280.8 R3295  
Estimates the amount of sugar that Cuba can market annually in the United States and advocates a production policy.

- 25774 VALERA, J. R. El azúcar: riqueza peligrosa. *Tierra Adentro* 1(2): 12-14. Mar./Apr. 1944. 8 T444  
Based upon notes of an address by Ramiro Guerra dealing with the Cuban sugar industry.

- 25775 YOUR sugar bowl's a bomb! U. S. War Food Admin. Consumers' Guide 10(4): 6-7. Apr. 1944. 1.94 Ad422C  
Wartime industrial uses of sugar.

- 25776 ZERBAN, F. W., MULL, J. E., and MARTIN, JAMES. Conditions for complete acid inversion in analysis of final cane molasses. *Assoc. Off. Agr. Chem. Jour.* 27: 139-145. Feb. 15, 1944. 381 As7

## TOBACCO

- 25777 ELSWORTH, R. H. Tobacco co-ops. *Coop. Digest* 4(11): 45. May 1944. 280.28 C7896
- 25778 GALÁN GÓMEZ, MARIO. El tabaco - algo sobre su historia. *Santander, Colombia. Contraloría. Bol.* 10(36): 3-46. Feb. 1944. 255.5 C7152  
An economic history of tobacco in Colombia. Includes legislation.
- 25779 MINNEMAN, P. G. Tobacco is Cuba's second most valuable crop. (Cont.) *Tobacco Leaf* 80(4129): 9, 32-33. Apr. 8, 1944. 286.89 T557



25780 OREJARENA HUERTA, EFRAÍM. El tabaco y sus problemas. Santander, Colombia. Contraloría. Bol. 10(36): 47-52. Feb. 1944. 255.5 C7152

Proposes a plan which would encourage manufacture of tobacco products in Santander.

25781 VALERO, SAMUEL. Euforia tabacalera: las exportaciones de 1943. Rev. Nac. [Habana] 3(28): 23. Mar. 1944. 280.8 R3295

#### MISCELLANEOUS PRODUCTS

25782 \*CEYLON. DEPT. OF AGRICULTURE. The preservation of manioc. Ceylon. Dept. Agr. Leaflet 202 (Food Prod. Leaflet 22), 5 p. Colombo, 1943. 22.5 C33L

Includes slicing and drying.

25783 HOUSEMAN, P. A. Licorice root as a chemurgic crop for America. Chemurg. Digest 3: 84-88. Mar. 31, 1944. 381 N213W

25784 \*IGOLEN, GEORGES. Contribution à l'étude de l'essence absolue de narcisse (Narcissus poeticus L.). Chim. & Indus. [Paris] 47: 474-475. Apr. 1942. 383 C42

Chemical analysis.

25785 JOHNSON, E. S. Quebracho: an interesting find. Leather World 36: 182-183. Mar. 10, 1944. 303.8 I482

Results of an analysis of what was probably the first bag of quebracho extract to enter England.

25786 MENDES, C. T. A mandioca e o alcool motor. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 55-59. São Paulo, 1943. 31.9 Sa63

On the manufacture of alcohol from cassava.

25787 LA PRESENCIA de la quina, valor de la economía agrícola. Quinine in Guatemala - a valuable addition to farm economy. Rev. de la Econ. Nac. [Guatemala] 7(77/78): 8-16. May/June 1943. 284.28 R32

25788 ROLAND, R. H. Teamwork on \$4 roses is urged. South. Florist and Nurseryman 57(1): 5. Mar. 31, 1944. 80 So86

Prices of florists' roses.

25789 SPALDING, ALLAN. Quebracho, case history of a cartel. New Repub. 110: 525-527. Apr. 17, 1944. 280.8 N

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

25790 BENEDÍ, CLAUDIO. Actitud argentina: el porqué de una política. Rev. Nac. [Havana] 3(29): 23. Apr. 1944. 280.8 R3295

Notes economic advances, including those in agriculture.

25791 CONSEJO PERMANENTE DE ASOCIACIONES AMERICANAS DE COMERCIO Y PRODUCCIÓN. COMISIÓN EJECUTIVA. Consumo y subconsumo (alimentos, vestidos y vivienda popular); texto concordado con las resoluciones adoptadas por la Comisión Ejecutiva en la sesión de Río de Janeiro el 16 de octubre de 1943. Cons. Perm. de Asoc. Amer. de Com. y Prod. Cir. Doc. 1, 27 p. Montevideo, 1943. 280.9 C7662

Recommendations include an agricultural production policy, adjustments in rural occupations, and development of standards.

25792 \*COOMBS, G. M. The production and trade of Fiji. Geography 29: 8-14. Mar. 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30: 8. Apr. 8, 1944. 241.11 P96

25793 \*ENGELKE, and SPITTA, F. W. Die zichorienanbau im protektorat Böhmen und Mähren. F. O. Licht. Deut. Ber. 82: 113a-114. June 10, 1943. 66.8 L61A

Economic aspects of production, including development of production, prices and control, and subsidies.

25794 \*EUBANK, ROBERT. Can Newfoundland stand alone; problems of a colony that must export to live. Empire Rev. 78: 53-60. Mar. 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30: 15. Apr. 15, 1944. 241.11 P96

25795 FLETCHER, S. W. Sizing-up the farmer's situation. East. States Coop. 20(3): 5-8. Mar. 1944. 280.28 Ea7

Discusses world trade and class strife, land policy, soil conservation, cooperatives, subsidies, and Government control of agriculture.

25796 GAITÁN V., J. M., and MATIZ T., MILCIADES. Embalse en Simijaca; las necesidades de Simijaca para su incremento agropecuario. Vida Rural 5(55): 20-22. Feb. 1944. 9.4 V66

Includes discussion of markets and social welfare of the municipality of Simijaca.

25797 LAND O'LAKES CREAMERIES, INC. The road ahead; resolutions adopted at the Land O'Lakes annual meeting. Land O'Lakes News 24(3): 24-30. Mar. 1944. 44.8 L22

Subjects included are price ceilings, subsidies, tax policy, labor, and cooperatives.

25798 MATVEEV, I. G. Mongolia. U. S. Dept. Com. Foreign Com. Weekly 15(4): 6-11. Apr. 22, 1944. 157.54 F763

The economics of the country, including wealth in flocks and herds.

25799 MOLL, ROBERTO. Lecciones de economía; estudio del desarrollo de la economía venezolana. (Cont.) Caracas, Venezuela. Cám. de Com. Bol. (2a. época) 33: 9150-9157. Feb. 1944. 287 C173

25800 ULLOA S., A. G. Estudios agrícolas desde México. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 12-14. Nov./Dec. 1943. 9.5 M31

Includes land tenure and agricultural credit.

25801 U. S. CONGRESS. SENATE. COMMITTEE ON TERRITORIES AND INSULAR AFFAIRS. Economic and social conditions in Puerto Rico. Report...pursuant to S. Res. 26 (78th Congress)... 78th Cong., 1st sess. Senate Rpt. 628, 56 p. Washington, U. S. Govt. Print. Off., 1944

25802 U. S. NATIONAL RESOURCES PLANNING BOARD. COMMITTEE ON LONG-RANGE WORK AND RELIEF POLICIES. Security, work, and relief policies, 1942. U. S. Cong. House. 1st Sess. House Doc. 128, pt. 3, 640 p. Washington, U. S. Govt. Print. Off., 1943.

Includes programs for the relief of agricultural populations, such as credit and employment opportunities.

#### AGRICULTURAL FINANCE

##### Credit

25803 BERGENGREN, R. F. Credit unions are the small man's bank with a co-operative soul! Pa. Co-op Rev. 11(5): 22-24. Apr. 1944. 280.28 P38

Includes farmers' credit unions.

25804 HORTON, D. C., and UMSTOTT, H. D. Farm-mortgage debt continues to decline. U. S. Bur. Agr. Econ. Agr. Situation 28(4): 12-16. Apr. 1944. 1 Ec7Ag

25805 JOHNSON, E. C. Paraguay improves its agriculture. U. S. Off. Foreign Agr. Relat. Agr. in the Americas 4: 63-65, 78. Apr. 1944. 1 F752A

Discusses Paraguay's agricultural credit plan.



25806 KNIGHT, W. O., JR. A new design for rural credit unions. Bridge 9: 80-81. Apr. 1944.

284.8 B76

Tells about the Sanborn County Farmers Union Federal Credit Union of Alpena, S. Dak.

25807 MCEVOY, J. P. Action on the home front. Banking 36(10): 48, 50, 99. Apr. 1944. 49 P94

Tells how C. W. Bailey, president of the First National Bank of Clarksville, has helped promote and finance agriculture in Montgomery County, Tenn.

25808 NATIONAL FARM RADIO FORUM. Planning farm credit in Canada. Planning for Plenty Ser. 3. 20 p. Toronto, Canada, 1943. 281.9 N216

25809 ORTIZ HURTADO, PEDRO. Condiciones para obtener dinero en la Caja de Crédito Agrario, Industrial y Miners. Vida Rural 5(54): 5-6. Jan. 1944. 9.4 V66

25810 ROSENBERG, S. A. Credit unions among Negroes. Bridge 9: 76-79. Apr. 1944. 284.8 B76

Includes rural credit unions.

25811 U. S. BUREAU OF THE CENSUS. Farm-mortgage indebtedness in the United States. Release No. 2--Amount of farm-mortgage debt. 14 p., processed. Washington, U. S. Govt. Print. Off., 1944. 157.41 F222

U. S. Bureau of Agricultural Economics cooperating.

25812 U. S. CONGRESS. SENATE. COMMITTEE ON BANKING AND CURRENCY. Continuing the Commodity Credit Corporation as an agency of the United States... Report to accompany H. R. 3477. 78th Cong., 2d sess., Senate Rpt. 631, 5 p. Washington, U. S. Govt. Print. Off., 1944.

#### Income

25813 EVANS, R. M. Our national income and the farmer. Natl. Farm Inst. Proc. (1944) 7: 81-86. 4 N219

Includes farm income.

25814 SCHULZ, T. Working class income and expenditure. Oxford. Inst. Statis. Bul., Vol. 6, Sup. No. 6, 27 p. Feb. 5, 1944. 280.9 OX2B

Includes wartime changes in expenditures for food, food rations and consumption of rationed foods, and nutrition of the families studied.

#### Insurance

25815 BELZILE, THURIB. La mutuelle vie de l'U. C. C. [Union Catholique des Cultivateurs] 3, 4. L'assurance-vie au programme. Terre de Chez Nous 16(26): 6; (26): 6. Mar. 22, 29, 1944. 7 T27

25816 COOPER, L. A. Liability insurance rates lowered on farms. "Big Y" Bul. 20(4): 11. Mar. 1944. 286.83 B48

Liability insurance rates and arrangements for members of the Yakima Fruit Growers Association, Yakima, Wash.

25817 \*ROMMEL, CURT. L'assurance-grêle et sa gestion en Suisse. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 207E-236E. June 1943. 241 In82A

#### Taxation

25818 \*GARCÍA ISIDRO, MAURICIO. Contribuciones e impuestos a cargo de propietarios y colonos. Agricultura [Madrid] 12: 539-541. Dec. 1943. 15 Ag84

Land taxes in Spain and their incidence upon owners and renters.

25819 MORSE, T. D. Farm income tax management. Amer. Soc. Farm Managers and Rural Appraisers Jour. 8(1): 41-44. Apr. 1944. 281.8 Am32

#### AGRICULTURAL LABOR AND WAGES

25820 \*ARND, ULRICH. Vertrauen zur eigenen Leistung. Kriegsversehrte in landwirtschaftlichen berufen. Landesbauernschaft Württemb. Wohnbl. 110: 379. June 26, 1943. 18 W96

25821 BARBOSA, CARVALHO. Glossario do trabalho agrícola e profissões afins. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Sér. 42a) 1941: 135-224. 9.2 Sa63

25822 BECKER, MANNING. Seasonal labor report; cost of transporting pickers, Gresham Berry Growers, 1942 season. Oreg. State Hort. Soc. Proc. (34th Ann. Rpt., 1942) 57: 92-93. 81 Or32

25823 \*BOROD'KO, M. Individual'naiâ sdél'shchina na polevykh rabotakh. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 111, 2 p. Oct. 1943. 281.8 Se4

Discusses the introduction of piece-work in farm labor.

25824 BROWN, E. D. Man-power situation in 1944. Market Growers Jour. 73: 122. Apr. 1944. 6 M34

25825 CHATTERJEE, SIR A. C. Federalism and labour legislation in India. Internatl. Labour Rev. 49: 415-445. Apr./May 1944. 283.8 In8

Calls attention to the neglect of landless workers in rural localities.

25826 \*CHUVIKOV, V. Oplatâ brigadirov polevodcheskoi brigady [Payment of farm-brigadiers]. Volkhoz. Proizvod., No. 11/12, p. 32-33. Nov./Dec. 1943. 281.8 K83

25827 DELASHMUTT, FLOYD. Ohio's farm labor training program. Ohio Veg. and Potato Growers Assoc. Proc. (1943) 28: 130-138. 75.9 Oh3

25828 FITZSIMMONS, J. R. Training inexperienced farm workers. Iowa Farm Econ. 10(4): 6-7. Apr. 1944. 275.28 Io92

25829 FOULON, L. A., and HOPKINS, J. A. Making our labor do more. Iowa Farm Econ. 10(4): 12-13. Apr. 1944. 275.28 Io92

Analysis of records of 515 members of the Iowa farm-management associations to determine improvement in labor efficiency during the years 1939 to 1942.

25830 \*GNUSOVA, E. Dnevnoe rabochee zadanie [Daily working task]. Kolkhoz. Proizvod., No. 11/12, p. 18. Nov./Dec. 1943. 281.8 K83

Discusses the need of a daily work plan in the kolkhoz, and the proper assignment of tasks to qualified workers.

25831 GODY, C. S. Productivity in agriculture, 1909-42. U. S. Bur. Labor Statis. Monthly Labor Rev. 58: 514-520. Mar. 1944. 158.6 B87M

Agricultural production, employment, and labor productivity.

25832 GOOCH, E. G. Farm workers want town standards. Farmer & Stock-Breeder 58: 461. Mar. 21, 1944. 10 F228

A policy for maintaining labor on the land.

25833 JESNESS, O. B. What the farmer expects from labor after war. Natl. Farm Inst. Proc. (1944) 7: 68-75. 4 N219

25834 \*KARTASHOV, N. Stariki uchat molodye kady. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 139/140, 2 p. Dec. 1943. 281.8 Se4

Discusses the scarcity of experienced workers in the kolkhoz, and the importance of attracting the old as instructors for the youthful farm laborers.

25835 \*KAVSKAIA, N. Vozrozhdaetsia kolkhoznaiâ zhizn' [Revival of collective farm life]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 113, 2 p. Oct. 1943. 281.8 Se4

Describes the efforts of the collective farmers in the liberated kolkhoz "Gor'kiĭ" to increase production and to accomplish various tasks on the farm.



- 25836 KING, J. J. Mobilizing underemployed southcentral farmers for year-round farm labor in Pacific Northwest. Southwest. Social Sci. Quart. 24: 279-288. Mar. 1944. 280.8 So82
- 25837 KOLL, JOSEF. Grundlage der arbeitseinfaltung vom sinn der nachbarschaftshilfe im kriege. Landesbauernschaft Württemb. Wchnbl. 110: 463. Aug. 14, 1943. 18 W96
- 25838 KOROTKOV, S. Chemu nas učit rabota v veennykh usloviakh [What work under war conditions teaches us]. Kolkhoz. Proizvod., No. 11/12, p. 16-17. Nov./Dec. 1943. 281.8 K83
- Organization of labor, labor productivity, and additional pay for extra work in the collective farms - lesson learned in wartime.
- 25839 KORUKOV, V. Kolkhozy družno vosstanavlivaiut razrushennoe khoziaistvo [Collective farms are energetically reconstructing their ruined economy]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 109, 2 p. Oct. 1943. 281.8 Se4
- 25840 LARSEN, HELGE. Driftsform og arbejdsfordeling i landbruget. Ugeskr. for Landmaend 88: 842-846. Dec. 3, 1943. 11 Ug3
- Planning farm work so as to make most efficient use of labor in Denmark.
- 25841 LATHROP, F. W. A teacher of agriculture helps solve the farm labor problem. Agr. Ed. Mag. 16: 194-195, 198. Apr. 1944. 275.8 Ag8
- 25842 LEISTNER. Lohnsteuerliche behandlung von aushilfskräften. Landesbauernschaft Sachsen. Wchnbl. 91: 282. June 19, 1943. 18 Sal
- 25843 LEVINE, LOUIS. Meeting farm manpower needs for 1943. Ohio Veg. and Potato Growers Assoc. Proc. (1943)28: 120-130. 75.9 Oh3
- 25844 LIPMAN, EDWARD. Remarks on machinery and labor for 1944. Amer. Cranberry Growers' Assoc. Proc. (1944)74: 17-18. 81 Am35M
- Machinery supplies and military deferment of labor.
- 25845 MACBETH, F. Labour-saving devices in Natal sugar factories. Internatl. Sugar Jour. 46: 73-75. Mar. 1944. 65.8 In8
- Labor for cane loading and milling.
- 25846 MILLER, C. R. Your number one problem: it's labor--and don't let the boat leave you--act now! East. Fruit Grower 7(2): 6, 14, 20. Apr. 1944. 80 Ea73
- Orchard labor, and problems of draft and deferment.
- 25847 MINIMUM wages and working conditions for agriculture in Argentina, 1943. U. S. Bur. Labor Statis. Monthly Labor Rev. 58: 858-859. Apr. 1944. 158.6 B87M
- 25848 OSLIKOVSKAIA, E. Zimnfaia ucheba v kolkhoze [Winter studying in the kolkhoz]. Kolkhoz. Proizvod., No. 11/12, p. 19. Nov. /Dec. 1943. 281.8 K83
- Preparation and training of agricultural workers for various tasks in the kolkhoz.
- 25849 PAKENHAM Township's [Lanark County, Canada] opportunities; survey made by Junior Farmer group shows many possibilities in their community for post-war employment - More adult educational facilities needed. Farmer's Mag. 41(4): 9, 46-47. Apr. 1944. 7 C165
- Includes opportunities for farm employment.
- 25850 PRETZER, WALTER. Experience with seasonal labor. Ohio Veg. and Potato Growers Assoc. Proc. (1943)28: 138-140. 75.9 Oh3
- 25851 RIECKE, H. J. Das landvolk in der front des schaffenden. Deut. Agrarpolitik 2: 13-17. Oct. 1943. 281.8 D48
- 25852 SAFROSHKIN, F. E. Individual'naiia i melkogruppovaiia adel'shchina v bor'be za vysokii voennyi urozhai [Individual and small-group piece-work in the struggle for an abundant wartime harvest]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 141/144, 4 p. Dec. 1943. 281.8 Se4
- 25853 SHUSHAKOV, A. Strogo provodit' v zhizn' pravila vmutrennego rasporiadka v kolkhoze. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 114, 2 p. Oct. 1943. 281.8 Se4
- Discusses schedules of work and discipline in the kolkhoz "Krasnyi Okar'."
- 25854 SOCHKOV, V. I. Nash kolkhoz v dni voiny [Our kolkhoz in wartime]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 121/122, 2 p. Nov. 1943. 281.8 Se4
- Describes the successes in production of the kolkhoz "Sovetskaiia derevnia" due to the efficient organization and distribution of its labor, and its increased labor productivity.
- 25855 SOUZA, J. O. DE, JR. Cartilha do lavrador. SSo Paulo (State). Sec. da Agr., Indus. e Com. Dir. de Publicidade Agr. Bol. de Agr. (Ser. 41) 1940: 163-316. 9.2 Sa63
- 25856 WERNECKE, KURT. Wehrdienstbeschädigte aus der landwirtschaft wieder in die landwirtschaft. Landesbauernschaft Niederschlesien. Wchnbl. Ausg. f. den Reg.-Bezirk Breslau 10: 443. Aug. 14, 1943. 18 Si3
- 25857 WIEST, ROBERT. Arbeitsmethoden und vorläufige ergebnisse bei der siedlungsplanung in der Untersteiermark. Neues Bauerntum 35: 155-163. June/July 1943. 282.28 N39
- 25858 WITTERN. Helfer der landwirtschaft; vom einsatz zusätzlicher arbeitskräfte. Landesbauernschaft Württemb. Wchnbl. 110: 427. July 24, 1943. 18 W96
- Women
- 25859 CARTER, B. J. Women workers winning war on food front. Fla. Grower 52(4): 7. Apr. 1944. 80 F66
- 25860 DIAL, REBECCA. Women and weeds; the journal of a Land Army girl. Womens Press 38: 219-221. May 1944. 110 W84
- 25861 HALL, FLORENCE. Summer on the farm. Natl. Mag. Home Econ. Student Clubs 8(4): 1, 19. Apr. 1944. 321.8 N212
- Work of the Women's Land Army.
- 25862 PLETT, L. S. England's Land Army women efficient. Farm and Ranch Rev. 40(4): 20. Apr. 1944. 7 F223
- Youth
- 25863 ANDERSON, W. A., and SPAULDING, I. A. Farm labor camps for city youth are in need of study. Farm Res. [N. Y. State Sta.] 10(2): 2-3. Apr. 1944. 100 W48A
- 25864 AXMANN, ARTHUR. Bekenntnis der jugend zum land und zum osten. Landesbauernschaft Württemb. Wchnbl. 110: 426. July 24, 1943. 18 W96
- Hitler youth on the farm.
- 25865 GTH. Erntehilfe ist ehrendienst. Wie der einsatz der jugend erfolgt. Landesbauernschaft Württemb. Wchnbl. 110: 474. Aug. 21, 1943. 18 W96
- 25866 KNIGHT, E. B. High-school boys as emergency farm labor. Agr. Ed. Mag. 16: 194. Apr. 1944. 275.8 Ag8
- 25867 PARTRIDGE, E. D. 7,000 boy-hours of farming. Clearing House 18: 283-91. Jan. 1944. Noted in Ed. Index 15(8): 44. Apr. 1944. 241.3 Ed8



- 25868 \*STEPANOV, I. Tunnaty - shkola podgotovki s.-kh. kadrov. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 110, 2 p. Oct. 1943. 281.8 Se4  
Discusses the accomplishments of child labor in the collective farms during wartime.
- 25869 STORM, A. V. The Minneapolis program for training non-farm youth for farm work. Agr. Ed. Mag. 16: 186-187, 197. Apr. 1944. 275.8 Ag8  
Recruiting, training, and placement.
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS
- 25870 ADJUSTING agricultural production to war-time conditions. Amer. Soc. Farm Managers and Rural Appraisers Jour. 8(1): 5-7. Apr. 1944. 281.8 Am32  
Summary of a panel discussion with H. C. M. Case, E. B. Hill, H. W. Greene, Carl Malone, L. S. Robertson, and W. G. Weigle participating.
- 25871 AGRICULTURAL policy endorsed. Saskatchewan Farmer 35(5): 5. Mar. 1, 1944. 7 Sa74  
The part relating to agriculture of a statement of policy released by the Saskatchewan Progressive Conservative Party.
- 25872 \*\*ARCHIBALD, E. S., and DICKSON, WILLIAM. Research in prairie farm rehabilitation. Canad. Geog. Jour. 28(2): 53-63. Feb. 1944.  
Noted in Cur. Geog. Pubs. 7(3): 44, processed. Mar. 1944. 241.6 Am3
- 25873 \*BACKE, HERBERT. Ins fünfte jahr kriegs-erzeugungsschlacht; zum erntedanktag 1943. Deut. Agrarpolitik 2: 3-9. Oct. 1943. 281.8 D48
- 25874 BARTON, G. S. H. Canadian live stock and world food supply. Canad. Jour. Compar. Med. 8: 84-86. Mar. 1944. 41.8 Cl62  
The effect of the war upon Canadian agriculture.
- 25875 BELTRÁN GIGENA, A. A. El futuro de la agricultura argentina. Rev. de Econ. Argentina 43: 11-17. Jan. 1944. 280.8 R325
- 25876 \*BITKOV, I. Proizvodstvennoe soveshchanie v kolkhoze [Consultation on production in the kolkhoz]. Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 133/134, 2 p. Dec. 1943. 281.8 Se4
- 25877 BRANDT, JOHN. Looking ahead. Land O'Lakes News 24(3): 3-5, 6-11. Mar. 1944. 44.8 L22  
Activities and problems of Land O'Lakes Creameries with attention to the agricultural situation and an agricultural policy.
- 25878 BURBANO, JAIME, and RUIZ P., CRISTÓBAL. Monografía agrícola de la Provincia de Imbabura. (To be cont.) Ecuador. Primera Zona. Cóm. de Agr. Rev. 6: 766-812. Sept./Oct. 1943. 9.5 Ec96  
An agricultural survey, including factors affecting profits in farming, area and production of various crops, systems of farming, and production costs.
- 25879 CHENG, POA'NAN. The agricultural situation in Asia. Natl. Farm Inst. Proc. (1944) 7: 52-58. 4 N219
- 25880 \*DAUN, G. E. Erzeugungsschlacht ein vorbild für Europa. Landesbauernschaft Württemb. Wchnbl. 110: 378. June 26, 1943. 18 W96
- 25881 DEACEMAN, R. J. A policy for farmers. Canad. Countryman 33(8): 6, 38. Apr. 15, 1944. 7 C853
- 25882 DORRA, A. J. L'industrie égyptienne et ses possibilités de développement. Egypte Contemporaine 34: 409-482. Nov. 1943. 270 Eg95  
Includes agriculture.
- 25883 DUNBABIN, M. I. Primary production in the Australian States: I. Tasmania; II. New South Wales; V. South Australia. Rural Bank N. S. Wales. Farm Front 1: 95-98, 123-126; 2: 33-38, processed. July, Sept. 1943, Mar. 1944. 281.9 R883
- 25884 \*EICHMEIER, HANS. Bauernland Norwegen. Deut. Agrarpolitik 1: 373-375. Sept. 1943. 281.8 D48
- 25885 FELIPE DE ARMENTEROS, CARLOS. Ideario económico: el medular de los cubanos. Rev. Nac. [Habana] 3(29): 5. Apr. 1944. 280.8 R3295  
The situation in agriculture.
- 25886 \*\*GODEBOUT, J. A. Agriculture in Quebec; past, present, future. Canad. Geog. Jour. 28: 157-180. Apr. 1944.  
Noted in Pub. Aff. Inform. Serv. Bul. 30(29): 2. Apr. 22, 1944. 241.11 P96
- 25887 GONZÁLEZ VIDART, ARTURO. Discurso del Ministro de Ganadería y Agricultura. Diario Rural 4(359): 11, 12. Mar. 4, 1944. 9.9 D54  
Agricultural problems in Uruguay, including scarcity of supplies and State aid to agriculture.
- 25888 GREEN, H. B. Small farms' supervision scheme. Farmer & Stock-Breeder 58: 456. Mar. 21, 1944. 10 F228  
The scheme as it operates under the Wartime Agricultural Executive Committees.
- 25889 HELINE, OSCAR. A Midwest farmer looks at world agriculture. Natl. Farm Inst. Proc. (1944) 7: 31-39. 4 N219  
Observations on wartime agriculture in foreign countries, with particular attention to Great Britain; and world food problems in the post-war period.
- 25890 HOOD, M. M. Studying the farm problem; what the [Ontario Agricultural] Commission of Inquiry is doing - Nothing spectacular yet but solid progress is being made in the right direction. (To be concl.) Canad. Countryman 33(9): 5, 30. Apr. 29, 1944. 7 C833
- 25891 HOPE, M. C. Canada's contribution to the war food supply. Amer. Soc. Farm Managers and Rural Appraisers Jour. 8(1): 8-15. Apr. 1944. 281.8 Am32  
Canadian agriculture and food production.
- 25892 HUDSON, R. S. Need for efficiency. Mr. Hudson on next four years. Farming News and No. Brit. Agr. 96(13): 13. Mar. 24, 1944. 10 N82
- 25893 HURST, F. J. East Texas turns to better farming. Prog. Farmer, Tex. Ed. 59(5): 12, 54. May 1944. 6 T311
- 25894 JESNESS, O. B. Price support means Government regulation. Markets 12(8): 5. Apr. 6, 1944. 280.38 M343
- 25895 \*KAHN, E. Litauen, Lettland, Estland in ihrer agrarstruktur. Neues Bauerntum 35: 149-153. June/July 1943. 282.28 N39
- 25896 KEENAN, E. T. Agricultural yardstick of peace; properly fed world can outlaw economic war. Fla. Grower 52(4): 5. Apr. 1944. 80 F6622
- 25897 \*KOCH, HERMANN. Sicherung der bäuerlichen zukunft. Landesbauernschaft Württemb. Wchnbl. 110: 475. Aug. 21, 1943. 18 W96
- 25898 \*KOYLÜ, KIZIM. Situation et possibilités d'évolution de l'agriculture en Turquie. Internatl. Inst. Agr. Rev. Internatl. d'Agr. 34: 191E-203E. May 1943. 241 In82A
- 25899 KRUSE, E. F. Food for victory: what is needed. Ohio Veg. and Potato Growers' Assoc. Proc. (1942) 27: 86-99. 75.9 Oh3  
Production goals, price supports, and soil conservation programs.
- 25900 LANAO TOBAR, J. R. Nuestro destino económico. Rev. Nac. de Agr. [Bogotá] 37(476): 31-34. Feb. 1944. 9.4 R32  
Agriculture versus industry for Colombia and the factors impeding agricultural development.



25901 LESLIE, W. R. Our inheritance - Manitoba. C. S. T. A. Rev. [Canada], No. 40, p. 26-29. Mar. 1944. 7 C1670

Includes discussion of agriculture.

25902 LOPES, WALDEMAR. O projeto do código rural. Orientação Econ. et Financ. 2(19): 17-19. Dec. 1943. 280.8 Or42

25903 LOUSER, K. E. The food production program in the state institution. Amer. Dietet. Assoc. Jour. 20: 240, 242. Apr. 1944. 389.8 Am34

25904 MAIS, S. P. B. "Farmer Giles and his war with Hitler." Jamaica Agr. Soc. Jour. 47: 248-251. Sept./Oct. 1943. 8 J223

The agricultural revival in Great Britain.

25905 MEYER, CARLOS. Produção vegetal: frutas, legumes e verduras - Sua importância na alimentação - O problema de sua produção - As sementes. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 21-23. São Paulo, 1943. 31.9 Sa63

25906 MEYER, KONRAD. Neues bauerntum durch ländliche neuordnung. Neues Bauerntum 35: 141-147. June/July 1943. 282.28 N39

25907 \*MISHCHENKOV, F. Nasha slava [Our glory]. Kolkhoz. Proizvod., No. 11/12, p. 12. Nov./Dec. 1943. 281.8 K83

Describes the achievements in production of the kolkhoz "Tel'man" due to the increased efforts of the collective farmers to supply the Red Army.

25908 NATIONAL FARM RADIO FORUM. Planning, prices, and controls. Planning for Plenty Ser. 1, 13 p. Toronto, Canada, 1943. 281.9 N216

Planning and price control for agriculture in Canada.

25909 NOVELO TORRES, ERNESTO. Labor constructiva y previsor, honestidad y ejemplo son la médula del informe del Gobernador don Ernesto Novelo Torres correspondiente al año 1943, del que publicamos puntos concordantes con el programa de este magazine. Mag. Financ. Ilus. "Yucatán" 1(4): 23, 26-27, 30-46. Feb. 1944. 73.8 M27

Includes details of the agricultural program for Yucatán.

25910 NÚÑEZ PASCUAL, ALFREDO. Credo de Amadeo: economía agrícola integral. Rev. Mac. [Habana] 3(29): 9-10. Apr. 1944. 280.8 R3295

Sets forth the ideas of Amadeo López Castro on an agricultural policy for Cuba.

25911 PELLETIER, J. R. À travers le Canada agricole. IV. Institutions agricoles canadiennes-françaises; V. L'agriculture dans la vallée de la Rivière-Rouge. Terre de Chez Nous 16(25): 6, 20; (26): 6. Mar. 22, 29, 1944. 7 T27

25912 \*\*THE POLISH agrarian reform. Polish Fortn. Rev., p. 1-7. Mar. 15, 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30(29): 1. Apr. 22, 1944. 241.11 P96

25913 RICHARDSON, W. P., and MOORE, IAN. War-time farming in the West Riding. Agriculture (Jour. Min. Agr. Gt. Brit.) 51: 27-30. Apr. 1944. 10 G79J

25914 \*RIECKE, H. J. Erste bilanz des Ostraumes. Vierjahresplan 6: 506-508. Nov. 15, 1942. 280.8 V67

Agricultural production and problems.

25915 ROPES, E. C. Russia restores reoccupied areas. U. S. Dept. Com. Foreign Com. Weekly 15(4): 3-5, 43. Apr. 22, 1944. 157.54 F763

Includes agricultural rehabilitation.

25916 \*\*SEMAN, P. L. Jews as farmers. Relig. Ed. 39: 31-5. Jan. 1944.

Noted in Ed. Index 15(5): 44. Apr. 1944. 241.3 Ed8

25917 SPILDO, L. S. Jordbrukets produktionsplan for 1943. Norsk Landbruk 9: 111-114. Apr. 30, 1943. 11 N8122

Farm production program.

25918 STOLTZ, E. H. Haldimand County [Ontario] looks to the future; growing interest shown in reforestation and soil fertility; greater corn production planned. Farmer's Mag. 41(4): 8, 66-67. Apr. 1944. 7 C165

25919 TAYLOR, C. C. La explotación agropecuaria y la vida rural en las principales zonas de producción en la Argentina. (Concl.) Rev. de Econ. Argentina 42: 461-464. Dec. 1943. 280.8 R325

25920 THORBORN, J. B. Without a guaranteed wage for a 48-hour week, condemned by "self-appointed efficiency experts," the small farmer remains - The backbone of farming. Farmers Weekly [London] 20 (14): 31. Apr. 6, 1944. 10 F2226

25921 TOMÁS BO, EFRAÍM. De plática con el gerente de Fomento de Yucatán. Mag. Financ. Ilus. "Yucatán" 1(4): 13-14. Feb. 1944. 73.8 M27

Reports an interview with the head of the agency "Fomento de Yucatán" whose purpose is to develop agriculture and industry in the State.

25922 TORRES FILHO, ARTHUR. Momento econômico nacional. Orientação Econ. e Financ. 2(17): 29, 30-31. Oct. 1943. 280.8 Or42

The importance of increasing agricultural production in Brazil and the need of State aid to agriculture.

25923 TURNER, A. W. Britain's five-year agricultural plan. Rural Bank N. S. Wales. Farm Front 1: 109-110, processed. Aug. 1943. 281.9 R883

25924 \*VINOKUROV, K. Na velikolukaskoi zemle [On the land of Veliki Luki]. Kolkhoz. Proizvod., No. 11/12, p. 12-13. Nov./Dec. 1943. 281.8 K83

Describes the destruction caused by the Germans to the collective farms of this district, and the effort of the collective farmers to reconstruct their economy.

25925 WHIPPLE, C. E. The agriculture of Greece. U. S. Off. Foreign Agr. Relat. Foreign Agr. 8: 75-96. Apr. 1944. Ref. 1.9 Ec7For

25926 WILL we continue to expand food production? If so, how? Natl. Farm Inst. Proc. (1944) 7: 100-103. 4 N219

A panel discussion with Herman Hayes, Carl Malone, W. R. Odell, Sherman E. Johnson, Odin Thomas, J. A. Hopkins, Jr., A. H. Beckhoff, R. M. Evans, and H. C. Taylor participating.

#### Agriculture, Post-War

25927 CUMBERLAND, K. B. New Zealand and the post-war world. Agenda 3(1): 33-42. Feb. 1944. 280.8 Ag3

Notes the importance of New Zealand's part as a food producer in the post-war period and outlines a policy for agriculture.

25928 FEISST, ERNST. Gedanken und vorschläge über die massnahmen zur erhaltung und förderung der schweizerischen landwirtschaft in der nachkriegszeit. Landw. Jahrb. der Schweiz 57: 313-338. 1943. 17 L23

25929 FYFE, SIR CLEVELAND. Post-war food policy: a plea for action. Field 183: 348. Apr. 1, 1944. 10 F45

Discussion of a debate in the House of Commons on post-war policy for British agriculture.

25930 GALLAWAY, C. J. Post-war problems and opportunities of Southern agriculture. South. Banker 82(4): 13-14, 51-52. Apr. 1944. 284.8 So8

25931 LOBZ, VICTOR. A tiempos nuevos, agricultura nueva. Rev. de Agr. [Costa Rica] 16(1): 3-6. Jan. 1944. 8 Es1

Agriculture in the post-war period.



25932 ROBINSON, A. E. Future of farming in New Zealand. *Straight Furrow* 3(3): 4. Jan. 15, 1944. 281.8 St8

First of a series of articles.

25933 SHEARD, C. W. Kenya planning rounded progress; agricultural, housing, and road development envisaged in East African colony on southern rim of Middle East. *U. S. Dept. Com. Foreign Com. Weekly* 15(1): 14-15. Apr. 1, 1944. 157.54 F763

25934 TOOTELL, R. B. With good planning we can avoid chaos after this war. *Mont. Farmer* 31(15): 1, 5. Apr. 1, 1944. 6 M764

Tells about the county agricultural planning committees in Montana and their survey of the needs of farms and ranches in order to provide post-war employment.

25935 U. S. CONGRESS. SENATE. SPECIAL COMMITTEE ON POST-WAR ECONOMIC POLICY AND PLANNING. Post-war economic policy and planning. Report of Hon. Joseph C. O'Mahoney...pursuant to S. Res. 102... 78th Cong., 1st sess., Senate Doc. 106, 144 p. Washington, U. S. Govt. Print. Off., 1943.

Post-war planning work of the U. S. Dept. of Agriculture, p. 41-44.

25936 WICKARD, C. R. Exploring agriculture's postwar economic problem. *Mutual Ins. Jour. News* 39(5): 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. May 1944. 284.68 M982

#### Subsidies

25937 BROWNE, G. S. Truth about food subsidies. *Farmer & Stock-Breeder* 58: 502. Mar. 23, 1944. 10 F228

British experience.

25938 DAVIS, J. C. Pro and con of milk subsidy you can analyze your own market situation. *Ohio Farmer* 193(8): 8. Apr. 15, 1944. 6 Oh3

25939 HAMMOND, W. J. Subsidies as an aid to price control. *Southwest. Social Sci. Quart.* 24: 319-333. Mar. 1944. 280.8 So82

25940 O'NEAL, E. A. Says Gov't. subsidies are inflationary; subsidizing food costs of all Americans out of Federal treasury condemned by O'Neal. *East. Milk Prod.* 20(7): 16. Apr. 1, 1944. 280.28 Sh3

25941 \*PETERS, HERMANN. Die milchleistungsprämie und ihre bedeutung für eine erhöhte milch- und fettablieferung. *Landesbauernschaft Sachsen-Anhalt. Wchnbl.* 101: 373. July 10, 1943. 18 Sa9

25942 ZIMMERMAN, M. M. Subsidies and surpluses take food spotlight. Conflict over subsidy ban arises again. Baruch project for surplus disposal similar to industry's plan. *Super Market Merchandising* 9(3): 9-10, 12. Mar. 1944. 389.8 Su7

#### COST AND STANDARD OF LIVING

25943 WILLIAMS, F. M. The cost of living index of the U. S. Bureau of Labor Statistics. *Estadística* 2(5): 64-71. Mar. 1944. 251.8 Es8

#### FARM MANAGEMENT AND LAND ECONOMICS

25944 \*ARALICHEV, I. Khozŕaeva [Managers]. *Kolkhoz. Proizvod.*, No. 11/12, p. 22-23. Nov./Dec. 1943. 281.8 K83

Description of accomplishments of efficient collective farm managers.

25945 \*BODRIN, V. O rabote instruktorskikh grupp raizo [Concerning the work of the regional instructional groups]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 123/124, 2 p. Nov. 1943. 281.8 Se4

Discusses the duties of instructors in kolkhoz bookkeeping and of instructors in organizational management.

25946 BROMFIELD, LOUIS. Rebirth of an American farm. *Straight Furrow* 3(4): 9-10. Feb. 15, 1944. 281.8 St8

Rehabilitation of the writer's farm.

25947 CARTER, J. A. The past forecasts the future of the farm South. *South. Canner & Packer* 5(3): 13-14, 18. Mar. 1944. 389.8 So82

Diversification and increased purchasing power.

25948 DANTAS, CRISTOVAM. Os beneficios da policultura. *São Paulo* (State). *Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr.* 6: 19-21. São Paulo, 1943. 31.9 Sa63

Agricultural diversification for Brazil.

25949 FARRELL, G. E. Farmers' stake in military equipment. *U. S. Bur. Agr. Econ. Agr. Situation* 28(4): 20-21. Apr. 1944. 1 Ec7Ag

Post-war disposal of Army equipment and land.

25950 HINSHAW, KENNETH. Are we about to rediscover farming? *East. States Coop.* 20(4): 18-19. Apr. 1944. 280.28 Ea7

Urges the growing of more feed crops on the livestock and poultry farms of the northeastern States.

25951 \*HUPKA, K. Worauf habe ich bei der jetzigen fortschreibung der hofkarte zu achten? *Landesbauernschaft Niederschlesien. Wchnbl.* 10: 347. June 19, 1943. 18 Si3

Instructions for filling out the farm record cards.

25952 \*JERVELUND, CHR. Arbejdets tilrettelæggelse i bondebruget. *Ugeskr. for Landmaend* 88: 852-854. Dec. 3, 1943. 11 Ug3

Management practices on small farms in Denmark.

25953 KERREY, T. H. F F A [Future Farmers of America] does things for the Johnsons. *Successful Farming* 42(4): 6, 75. Apr. 1944. 6 Su12

Management of a 195-acre farm in Eaton County, Mich.

25954 \*KRASHNOSHEKOV, N. Khoroashif rukovoditel' kolkhoza [A good collective farm manager]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 137/138, 2 p. Dec. 1943. 281.8 Se4

25955 \*KRASNOV, A. P. Chto dolzhna dat' revizionnaya komissiya v zakliuchenii po godovomu otchëtu kolkhoza [What the Inspection Committee must give in its conclusions on the annual report of the kolkhoz]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 125/128, 4 p. Nov. 1943. 281.8 Se4

25956 LONG, L. E. Hacienda Pichilingue. *U. S. Off. Foreign Agr. Relat. Agr. in the Americas* 4: 54-56. Mar. 1944. 1 F752A

Describes the estate's organization and crop experimentation. Hacienda Pichilingue is a cooperative enterprise of the Ecuadoran Development Corporation, the Ecuadoran Government, and the United States Department of Agriculture.

25957 MAUNEY, ROSS. Planning necessary to conserve labor. *Ark. Farmer* 46(3): 7. Mar. 1944. 6 Ar42

Adjustment of farm management and practices to meet war production needs.

25958 \*MUNDE. Arbeitersparnis durch hofpatenschaft. *Landesbauernschaft Württemb. Wchnbl.* 110: 331. May 29, 1943. 18 W96

Farm management.

25959 \*PETERSEN, H. J. Arbejdets tilrettelæggelse i det store landbrug. *Ugeskr. for Landmaend* 88: 849-851. Dec. 3, 1943. 11 Ug3

Management practices on large farms in Denmark.

25960 \*RUDANV, G. E. Pravila vnutrennego rasporiadka v kolkhoze [Internal management regulations in the kolkhoz]. *Sel'so* (Ser. Kolkhoz. Aktiv), v. 12, No. 129/132, 4 p. Nov. 1943. 281.8 Se4



25961 \*SHTABINSKAIA, A. D. Instruktora po zhivotnovodstvu pri sel'sovetakh [Instructors in livestock in the village Soviet, Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 115/116, 4 p. Oct. 1943. 281.8 Se4

Describes qualifications, duties, pay and responsibilities of a livestock instructor, and the effect of his advice on the efficient management of a livestock farm.

25962 \*SHUSHAKOV, A. Peredovoi agronom [An outstanding agronomist, Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 117/118, 4 p. Oct. 1943. 281.8 Se4

Describes the progressive policies of agronomist Ermakov in managing his district in the Gor'kii region.

25963 \*TIKHONOVA, A. Voennyi god [A year of war, Kolkhoz. Proizvod., No. 11/12, p. 11. Nov./Dec. 1943. 281.8 K83

Describes the accomplishments of the kolkhoz "Kommunar" in wartime due to good management and organization of labor on the collective farm.

25964 TINDALL, CORDELL. Where corn beats 100 bushels. Mo. Ruralist 85(6): 18. Mar. 25, 1944. 6 R8891

Management of the Schindler farm in Audrain County, Mo.

25965 VAN WYK, S. P. An economic study of table-grape farming in Paarl, 1934-35 to 1936-37. Union So. Africa. Dept. Agr. and Forestry. Sci. Bul. 197 (Stellenbosch-Eisenburg Ser. 36), 47 p. Pretoria, 1939. 24 So848

Analysis of information obtained concerning land utilization, capital outlay, expenditure, and receipts.

#### Cost of Production

25966 ABBY, C. Do your rabbits show a profit? Small Stock Mag. 28(4): 24. Apr. 1944. 48.8 P442

25967 \*ANDREEVICH, V. K raspredeleniia dokhodov v kolkhozakh [Concerning the distribution of the returns in the collective farms, Kolkhoz. Proizvod., No. 11/12, p. 14-15. Nov./Dec. 1943. 281.8 K83

25968 ASHBY, R. C. Cost and profit studied on lighter weight hogs. Natl. Live Stock Prod. 22(7): 6, 12. Apr. 1944. 280.38 N21

25969 BAKER, RALPH, and WHITFIELD, W. R. Will poultry pay in '44? Flour & Feed 44(11): 42. Apr. 1944. 298.8 P66

Costs and returns in producing poultry and eggs. 25970 BARBER, W. E. Farming costs; the milk production figures. Estate Mag. 44: 59-61. Mar. 1944. 10 Es8

Costs in the milk industry as a basis for Government aid to producers in Great Britain.

25971 BURR, C. H. Farmers turning to cotton as most profitable in 1944. Cotton Digest 16(28): 8-9. Apr. 8, 1944. 286.82 C822

Relative profitability of different farming enterprises favors increased cotton production in the South.

25972 DARRAH, L. B. More fall eggs mean high profits. N. Y. Greene Co. Farm Bur. News 27(7): 6. Mar. 1944. 275.293 N. Y. Greene Co.

Costs and returns in production of fall eggs.

25973 LYONS, T. H. "Eggs cost 33c a dozen." Hatchery Tribune 18(4): 8, 28. Apr. 1944. 47.8 H28

Costs and returns in producing eggs and poultry at the Diamond Poultry Ranch, Sorrento, Fla.

25974 RODEWALD, R. G. Time and cost studies show how segmented seed [of sugar beet, saved money for Eaton grower. Through the Leaves 32(2): 12-14. Mar./Apr. 1944. 66.8 T41

25975 SCHMIDT, C. B. A colheita do algodão; custo e rendimento. São Paulo (State). Sec. da Agr. Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 235-238. São Paulo, 1943. 31.9 Sa63

25976 THOMSON, R. Cost accounting for poultry producers. Canad. Poultry Rev. 68(2): 6, 8. Feb. 1944. 47.8 C16

#### Farm Bookkeeping and Records

25977 BRIDGES, A. Farm accounts for income tax purposes. Bath and West and South. Counties Soc. Pam. 7, 19 p. Bath, 1942. 10 B32P

25978 HILL SHEEP farming returns; how subsidy is offsetting losses. Farming News and No. Brit. Agr. 96(8): 2. Feb. 18, 1944. 10 N82

Summarizes a report by J. A. Gilchrist on the accounts of 23 farms, in the area of West of Scotland Agricultural College.

25979 \*LIAMBEK, V. Provedenie inventarizatsii v kolkhoze [taking inventory in the kolkhoz, Sel'so (Ser. Kolkhoz. Aktiv), v. 12, No. 119/120, 4 p. Oct. 1943. 281.8 Se4

25980 \*SCHADE, C. Der wiesenstempel, ein neues hilfsmittel der wirtschaftsberatung. Mitt. f. die Landw. 58: 815. Oct. 2, 1943. 18 D48M

Describes a simplified method of keeping pasture records.

25981 TINTNER, GERHARD. A note on the derivation of production functions from farm records. Econometrica 12(1): 26-34. Jan. 1944. 280.8 Ec78

25982 \*TISHCHENKO, V. Ob uchete i organizatsionno-khoziaistvennom ukreplenii kolkhozov [Concerning the bookkeeping and the strengthening of the organizational management of the kolkhoz, Kolkhoz. Proizvod., No. 5/6, p. 4-5. May/June 1943. 281.8 K83

25983 \*UMNOV, A. Pravil'no sastavit' prikhod-raskhodnye smety. Kolkhoz. Proizvod., No. 1, p. 26-28. Jan. 1943. 281.8 K83

Collective farm bookkeeping.

25984 \*UMNOV, A. Uchet na MTF [Bookkeeping on the MTF, Kolkhoz. Proizvod., No. 5/6, p. 32-33. May/June 1943. 281.8 K83

Discusses the importance of account records in a milk production kolkhoz and how to keep them.

25985 \*UMNOV, A. V. Nakanune zaversheniia khoziaistvennogo goda [On the eve of completing the agricultural year, Kolkhoz. Proizvod., No. 11/12, p. 28-29. Nov./Dec. 1943. 281.8 K83

Discusses the system of accounting on the collective farms, and the role of the Inspection Committee.

25986 VALERA C. G., OSVALDO. Contabilidad aplicada: libros y registros. Tierra Adentro 1(2): 36-39. Mar./Apr. 1944. 8 T444

Agricultural bookkeeping.

#### Farms - Number and Size

25987 \*MUTTMANN, WALTHER. Bodenverteilung und besitzgrößen im rahmen der deutschen raumordnung. Deut. Agrarpolitik 1: 362-366. Sept. 1943. 281.8 D48

25988 \*YTTERBORN, G. R. Jordbruksanbringens struktur och rationalisering. Stiftelse Svenska Lantbruksveckan. Handl. (1943) 32: 212-221. 11 Sw34

Discusses types and sizes of farms in Sweden and advocates reorganization of land holdings so as to make farming in general more profitable.

#### Land Settlement and Colonization

25989 BARBOSA E SILVA, HILDEBRANDO. Colônias agrícolas: sua organização, conforme determina a recente legislação federal. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 53-55. São Paulo, 1943. 31.9 Sa63

Summarizes the law providing for the creation of the National Agricultural Colonies in Brazil.



- 25990 CHICANOT, E. L. Quebec plants its future in rural resettlement. *America* 71: 61-63. Apr. 22, 1944. 280.8 Am322
- 25991 FRASER, S. B. Rehabilitation in New Zealand. *Rural Bank N. S. Wales. Farm Front* 2: 17-19. Feb. 1944. 281.9 R883  
Mainly on veterans' land settlement.
- 25992 MORRIS, F. B. Soldiers back to the land. *N. Y., Greene Co. Farm Bur. News* 27(7): 4. Mar. 1944. 275.293 N. Y., Greene Co.
- 25993 MULHOLLAND, F. D. Land utilization and settlement after the war. *Brit. Columbia Lumberman* 28(4): 28-29. Apr. 1944. 99.81 B77
- 25994 MURCHISON, GORDON. Land settlement for returned soldiers. *Amer. Soc. Farm Managers and Rural Appraisers Jour.* 8(1): 35-40. Apr. 1944. 281.8 Am32  
Deals with the Veterans' Land Act approved by the Canadian Parliament in August 1942.
- 25995 RODERIQUE, M. Pig farming in Southland [New Zeal.]. *New Zeal. Dairy Exporter* 19(7): 28-30. Mar. 1, 1944. 44.8 W484  
Discussed as an opportunity for settlement of returned soldiers.
- 25996 SERVICEMEN'S rehabilitation; report of committee consisting of Messrs. W. W. Mulholland, B. Clearwater and E. H. Colder (vice A. C. Cameron) dealing with the question of rehabilitation for submission to the Dominion Executive of the New Zealand Farmers' Union. *Straight Furrow* 3(3): 12-13. Jan. 15, 1944. 281.8 St8  
Various aspects of the problem of settlement of veterans on the land.
- 25997 \*\*SWAINSON, B. M. Dispersion and agglomeration of rural settlement in Somerset [England]. *Geography* 29: 1-8. Mar. 1944.  
Noted in *Pub. Aff. Inform. Serv. Bul.* 30: 12. Apr. 6, 1944. 241.11 P96
- 25998 TULLY. Right of settlers to convert to perpetual lease; act explained. *Land [Sydney]*, No. 1678, p. 6. Feb. 41 1944. 23 L22  
Statement by Minister for Lands of New South Wales
- 25999 \*\*WORTH of white settlement in Kenya: opposite views on the value of the European contribution voiced in a House of Lords debate. *Crown Colonist* 14: 237. Apr. 1944.  
Noted in *Pub. Aff. Inform. Serv. Bul.* 30: 12. Apr. 15, 1944. 241.11 P96
- Land Tenure
- 26000 CEPERO, R. W. El latifundismo y la liberación nacional. (To be cont.) *Tierra Adentro* 1(2): 15-19. Mar./Apr. 1944. 8 T444  
The problem of the latifundium in Cuba.
- 26001 DAVIS, A. H. Landlord and Tenant (Requisitioned Land) Acts, 1942 and 1944. *Chartered Surveyors' Inst. Jour.* 23: 395-397. Mar. 1944. 282.9 C38J
- 26002 \*GOCKENJAN. Pachtbeendigung und pächterwechsel im kriege. *Landesbauernschaft Württemb. Wechnbl.* 110: 463. Aug. 14, 1943. 18 W96
- 26003 GONZÁLEZ GARCÍA, PASTOR. Pendiente: la Cuba nueva del mundo nuevo. *Rev. Nac. [Habana]* 3 (28): 5-6. Mar. 1944. 280.8 R3295  
The imminent agrarian revolution in Cuba and changes in the concept of property.
- 26004 \*HENKEL. Allgemeine durchführung des kriegsbedingten landnutzungstausches. *Deut. Landes-kult.-Ztg.* 12: 57-58. Apr. 1943. 18 D484
- 26005 JUNGLEISCH, MARCEL. Problèmes ruraux; "propriétaire et locataire." *Égypte Contemporaine* 34: 483-505. Nov. 1943. 270 Eg95
- 26006 \*LINCKELMANN, KARL. Rechtliche bemerkungen zur behelfsmässigen umlegung in wasserverbandsgebieten. *Deut. Landeskult.-Ztg.* 12: 54. Apr. 1943. 18 D484
- 26007 M'DOUGAL, A. R. Hill sheep report; a criticism. *Scot. Farmer* 52: 440. Mar. 11, 1944. 10 Sco8  
Discusses report of the committee with regard to land tenure and rents.
- 26008 MASON, D. I. El costo de los arrendamientos y el valor ficticio o especulativo de la tierra ha perturbado el desenvolvimiento de una agricultura mas racional y más estabilizada. *Argentina. Min. de Agr. Noticioso* 8: 133-136. Nov. 25, 1943. 9 Ar311N  
The Argentine Minister of Agriculture discusses agricultural rents and their effect on cost of production.
- The text of a law of Nov. 12, 1943, providing for a decrease in farm rents, is given on p. 137-138.
- 26009 MELO, M. L. DE. Lavradores de engenhos e fornecedores de usinas. *Brasil Açucareiro* 22: 64-69. Dec. 1943. 65.8 B73  
Rental arrangements for sugarcane properties and the problem of rents.
- 26010 MENDES, C. T. Latifundio. São Paulo (State). *Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr.* 6: 11-15. São Paulo, 1943. 31.9 Sa63  
The characteristics of latifundia and the need for educating the small farmer before large properties can be subdivided.
- 26011 NACIONALIZACIÓN de la propiedad raíz. The nationalization of land ownership. Las operaciones realizadas por el Gobierno de Guatemala con el fin de adquirir las propiedades de la "Central American Plantations Corporation." Steps taken by the Government of Guatemala to acquire the properties of the "Central American Plantations Corporation." *Rev. de la Econ. Nac. [Guatemala]* 7(75/76): 13-23. Mar./Apr. 1943. 284.28 R32
- 26012 \*\*PETERS, F. H. Land tenure in Canada. *Empire Survey Rev.* 7(51): 200-209. Jan. 1944.  
Noted in *Cur. Geog. Pubs.* 7(3): 44, processed. Mar. 1944. 241.6 Am3
- 26013 PIODA, C. L. Long ranch, lease advisable *Calif. Cult.* 91: 170. Apr. 1, 1944. 6 C12
- 26014 PORTSMOUTH, LORD. The future of the small farm. *Free Amer.* 8(1): 3-4, 16. Spring 1944. 280.8 P872
- 26015 \*RG. Zweifelsfragen bei landwirtsch. übergabe- und erbaueinsetzungsverträgen. *Landesbauernschaft Bayern. Wechnbl. Ausg. A* 133: 381. July 3, 1943. 18 B34W  
Effect of decree of July 28, 1942.
- 26016 \*RIGAUD, MAX. Der kriegsbedingte landnutzungstausch vornehmlich in der Westmark. *Deut. Landeskult.-Ztg.* 12: 55-57. Apr. 1943. 18 D484
- 26017 \*ROSE, MAX. Die ländlichen eigentumsverhältnisse in den eingegliederten Ostgebieten. *Neues Bauerntum* 35: 147-149. June/July 1943. 282.28 N39
- 26018 \*SAUER, ERNST. Fortbildung des erbhofrechts. (Concl.) *Mitt. f. die Landw.* 58: 906-907, 924-926. Oct. 30, Nov. 6, 1943. 18 D48M
- 26019 VALERA, J. R. El arrendamiento forzoso de predios rústicos. *Tierra Adentro* 1(2): 27-29. Mar./Apr. 1944. 8 T444  
On leasing by the Cuban Government for the duration of the war of estates in excess of five caballerías which have been idle since January 20, 1942.
- 26020 VIDAURETA, MARINELLO. La propiedad territorial en Cuba; bosquejo de su evolución constitucional. (To be cont.) *Tierra Adentro* 1(1): 9-11; (2): 5-8. Jan./Feb., Mar./Apr. 1944. 8 T444



26021 WAKEFIELD, A. J. Agriculture and social welfare. Jamaica Agr. Soc. Jour. 47: 303-306. Nov./Dec. 1943. 8 J223

Includes land tenure and settlement in the West Indies.

26022 WILLIAMS, M. D. Do you rent a farm? In Indiana 28 percent of all farmers are tenants and their average age is 42. Ind. Farmers' Guide 100 (7): 8. Apr. 1, 1944. 6 In2

#### Land Utilization

26023 LIVERSAGE, V. Land planning: the Uthwatt Report. East African Agr. Jour. 9: 167-170. Jan. 1944. 24 Ea74

26024 \*MORALES ANTEQUERA, CARLOS. Colaboración del ejército en la producción: un ejemplo a imitar. Agricultura [Madrid] 12: 523-525. Dec. 1943. 15 Ag84

Cultivation of abandoned land with the help of the Army.

26025 ROBINSON, A. E. Future of farming in N. Z.; the trend to inferior use of land. Straight Furrow 3(4): 7. Feb. 15, 1944. 281.8 St8

26026 U. S. NATIONAL RESOURCES PLANNING BOARD. National resources development report for 1943. Pt. I. Post war plan and program. Pt. II. Wartime planning for war and post war. U. S. Cong., House, 1st Sess. House Doc. 128, pt. 1-2, 2 v. Washington, U. S. Govt. Print. Off., 1943.

Pt. I includes conservation and improvement of different types of lands; Pt. II includes planning for land development and use.

26027 WALSTER, H. L. Planning in the Great Plains. Amer. Planning and Civic Ann. (1943): 81-91. 280.9 Am322

#### Land Values and Valuation

26028 ACKERMAN, JOSEPH. Farm real estate market controls. Amer. Soc. Farm Managers and Rural Appraisers Jour. 8(1): 16-24. Apr. 1944. 281.8 Am32

26029 ARE LAND prices too high? Amer. Soc. Farm Managers and Rural Appraisers Jour. 8(1): 26-32. Apr. 1944. 281.8 Am32

A pro and con discussion with J. C. Bottum taking the affirmative side, and Ersel Walley, the negative.

26030 BEGG, JAMES. Land and speculation. Straight Furrow 3(2): 8. Dec. 15, 1943. 281.8 St8  
Critical of the Land Sales Bill aimed at preventing speculation in land in New Zealand.

Replies by J. S. Elliott and an anonymous writer are given in the issue of Straight Furrow for Jan. 15, 1944, Vol. 3, No. 3, p. 18-19, and by H. E. Comber in the issue for Feb. 15, 1944, Vol. 3, No. 4, p. 29.

26031 CONTROL of inflation with special consideration to land value. Natl. Farm Inst. Proc. (1944) 7: 95-100. 4 N219

A panel discussion with Scott Ellis, I. J. Lubbers, O. B. Jesness, W. G. Murray, Don Fish, B. W. Lodwick, Joseph Ackerman, Walter Garver, and Raymond Sayre on the panel.

26032 EVANS, S. C. The land boom is here. Prog. Farmer, Tex. Ed. 59(5): 50. May 1944. 6 T311

26033 GRAMLICH, H. J. To buy or not to buy and how—that is the question. Com. West 87(15): 9, 29. Apr. 8, 1944. 286.8 C733

Discusses the increase of farm land prices.

26034 LLOYD, M. E. Inflation cloud over real estate. Banking 36(10): 30-31, 97. Apr. 1944. 284.8 Am3

Includes inflationary trend in farm real estate.

26035 LOVE, H. M. Farm real estate prices. Va. Farm Econ., No. 61, p. 833-834. Apr. 1944. 275.29 V813

26036 MORE about farm land prices; agricultural agents of railroads give their views on situation. Com. West 87(11): 11, 25. Mar. 11, 1944. 286.8 C733

Includes statements by R. W. Reynolds, J. B. Lamson, and A. W. Large.

26037 PUHR, MARIE. Are we facing a farm land boom? Mid-west. Banker 38(4): 10-11, 29. Apr. 1944. 284.28 B222

26038 REGAN, M. M. Are farm land values inflated? U. S. Bur. Agr. Econ. Agr. Situation 28(4): 16-19. Apr. 1944. 1 Ec7Ag

26039 REITZ, J. W. Farm real estate values in Florida. Fla. Univ. Bur. Econ. and Business Res. Econ. Leaflets 2(12): 1-4. Nov. 1943. 280.9 F663

26040 SHERMAN, C. B. That land boom. Better Crops with Plant Food 28(3): 21-22, 46. Mar. 1944. 6 B46

Increase in land prices, with suggested control measures.

26041 SILVER, J. W. Land speculation profits in the Chickasaw cession. Jour. South. Hist. 10(1): 84-92. Feb. 1944. 134.8 J82

26042 WARNECKE, GEORGE. Influence of U. S. land boom on planning for the peace. Farmer and Settler 37(52): 15. Jan. 28, 1944. 23 F226

#### POPULATION

26043 \*ABEL, W. Agrarkrisen. Forschungsdiens, Sonderheft 16, p. 20-25. Berlin, 1942. 18 F772

Population movements and their effect upon price and wage movements resulting in agricultural depressions in Germany.

26044 BLANCHET, JEAN. Nos paroisses rurales à l'oeuvre: Saint-Fabien de Rimouski. Terre de Chez Nous 16(25): 10, 21. Mar. 22, 1944. 7 T27  
Includes population and agriculture.

26045 \*ERDMANN. Schwert, pflug, wiege. Land-esbauernschaft Sachsen. Wchnbl. 91: 261. June 5, 1943. 18 Sa1

German agricultural population and Government policy in regard to it.

26046 \*HAASE, A. Die kinderzahl des schlesischen landvolkes. Forschungsdiens, Sonderheft 16, p. 16-17. Berlin, 1942. 18 F772

26047 \*HAASE, A. Die zahlenmäßige darstellung der beruflichen abwanderung aus der landwirtschaft in Schlesien. (Ein beitrag zur landfluchtfrage.) Forschungsdiens, Sonderheft 16, p. 25-26. Berlin, 1942. 18 F772

26048 HARY, PAUL (H.). Problemas de nuestro campo. Rev. de Econ. Argentina 42: 457-460. Dec. 1943. 280.8 R325

Deplores the depopulation of the country and its effect on consumption and distribution of agricultural products.

26049 OGBURN, W. F. Size of community as a factor in migration. Sociol. and Social Res. 28: 255-261. Mar./Apr. 1944. 280.8 Sol5

Includes rural population migration.

26050 U. S. BUREAU OF THE CENSUS. Population - special reports. Gross and net reproduction rates for the United States by regions: 1935 to 1940, 1930 to 1935, and 1905 to 1910. U. S. Bur. Census. Ser. P-1943, No. 5, 2 p., processed. Washington, U. S. Govt. Print. Off., 1943. 157.54 P81 P-1943

Includes the rural reproduction rate.

26051 U. S. BUREAU OF THE CENSUS. Population - special reports, Ser. P-44, No. 1-11, processed. Washington, U. S. Govt. Print. Off., 1944. 157.41 P81 P-44

The following contain data for farm and rural population: No. 2, Women classified by number of children ever born: 1940, 4 p.; No. 8, Family wage or salary income in 1939, by size of family and age of head,



14 p.; No. 10, Internal migration in the United States, 1935 to 1940, 6 p.

26052 U. S. BUREAU OF THE CENSUS. Population - special reports; significant facts concerning the Negro population. U. S. Bur. Census. Ser. P-1943, No. 4, 4 p., processed. Washington, U. S. Govt. Print. Off., 1943. 157.54 P81 P-1943

Includes proportions of Negroes in agricultural and nonagricultural pursuits.

26053 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population; agricultural labor reserve among youths attending school. U. S. Bur. Census. Ser. P-9, No. 16, 2 p., processed. Washington, U. S. Govt. Print. Off., 1942. 157.4 C162P P-9

26054 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population; foreign white stock of the United States by country of origin: 1940. U. S. Bur. Census. Ser. P-15, No. 6, 18 p., processed. Washington, U. S. Govt. Print. Off., 1942. 157.4 C162P P-15

Includes figures for rural farm and rural nonfarm population.

26055 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population, Ser. P-16, No. 1-8, processed. Washington, U. S. Govt. Print. Off., 1942-43. 157.4 C162P P-16

The following contain data on farm and rural population: No. 4, Marital status of persons in the labor force, by employment status, age, and sex, for the United States, urban and rural, and for regions: 1940 4 p.; No. 5, Occupations of whites, Negroes, and other racial groups, for the United States: March 1940, 5 p.; No. 6, Age of workers in each occupation, for the United States: March 1940, 14 p.; No. 7, Marital status of men and women in each occupation, by age, for the United States: March 1940, 11 p.; No. 8, Wage or salary income in 1939 by occupation, for the United States, 15 p.

26056 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population; trends in the proportion of the Nation's labor force engaged in agriculture: 1820 to 1940. U. S. Bur. Census. Ser. P-9, No. 11, 2 p., processed. Washington, U. S. Govt. Print. Off., 1942. 157.4 C162P P-9

#### RURAL SOCIAL ORGANIZATION

26057 DIXON, R. L. Cotton production must be made more profitable while prices become competitive. Cotton Trade Jour. 24(18): 9, 10. Apr. 29, 1944. 72.8 C8214

Social and economic conditions in cotton-growing areas of Texas.

26058 PICHÓN RIVIERE, JUAN. La antigua estancia criolla, núcleo político fundamental. Aberdeen-Angus, No. 21, p. 59-62. Spring 1944. 43.8 Ab33

26059 SMITH, T. L. The locality group structure of Brazil. Amer. Sociol. Rev. 9(1): 41-49. Feb. 1944. 280.8 Am37

Rural social organization and customs.

26060 TAYLOR, C. C. Human resources of the southern Appalachians. U. S. Bur. Agr. Econ. Land Policy Rev. 7(1): 3-6. Spring 1944. 1 Ec7La  
Description of the people of the area.

#### Institutions

26061 ALFONSO, J. L. Las escuelas de enseñanza agrícola del Ministerio de Agricultura. Campo [Buenos Aires, 28(327): 17. Jan. 1944. 9 C15

26062 ARLIA, JUAN (HIJO). Orientación agrícola en las colonias de menores. Res 12: 15.551-15.552. Feb. 5, 1944. 286.85 R31

Studies which prepare youth for rural life.

26063 AUBONE, G. R. Discurso del Ing. Agr. Aubone. Argentina. Min. de Agr. Noticioso 8: 150, 152. Dec. 30, 1943. 9 Ar311N

On the subject of agricultural education.

26064 \*BENDER. Landwirtschaftsschulen und erzeugungsschlacht; entscheidende aufgaben der wirtschaftsberatungsstellen. Landesbauernschaft Württemb. Wchnbl. 110: 634. Nov. 20, 1943. 18 W96

26065 \*CASPAUL. Höhere landbauschule? Was ist das? Landesbauernschaft Sachsen-Anhalt. Wchnbl. 101: 543. Oct. 16, 1943. 18 Sa9

26066 CASTRO, M. DE A. Relatório apresentado ao dr. Secretário de Agricultura, Indústria e Comércio. Pernambuco (State), Brazil. Sec. de Agr., Indús. e Com. Bol. 9: 178-198. June 1942. 9.2 P423

Report for 1941 of the activities of the Escola Superior de Agricultura de Pernambuco.

26067 COOPER, J. F. Florida youngsters produce to feed soldiers; 4-H clubbers improve their programs, helping to win the war, in great national mobilization week. Fla. Grower 52(3): 9, 20. Mar. 1944. 80 F6622

26068 DAWBER, M. A. The rural way of life. What can the church contribute to it? Christian Rural Fellowship Bul. 90, 4 p., processed. Mar. 1944. 281.29 C46

26069 \*EBERT, G. M. Recreation in a rural county [Coffee County, Ala.]. Ala. Soc. Welfare, p. 3-5. Feb. 1944.

Noted in Pub. Aff. Inform. Serv. Bul. 30: 16. Apr. 8, 1944. 241.11 P96

26070 FERNÁNDEZ, ANASTASIO. Algo más sobre la educación agrícola del miño. Paraguay. Min. de Agr., Com. e Indus. Rev. 2(10): 20-23. June 1943. 9.7 Ag8R

26071 \*FOTH. Die "Fremdlehre" ist besser, höchstens ein Jahr landarbeitslehre in der elterlichen wirtschaft! Landesbauernschaft Württemb. Wchnbl. 110: 379. June 26, 1943. 18 W96

26072 GARCÉS, ENRIQUE. Esquema para una campaña sanitaria rural aprobado por la Federación Médica del Ecuador en sus sesiones. Manabí, Ecuador. Consorcio de Cent. Agr. Bol. 5(36): 15-18, 19-25, 27. Nov./Dec. 1943. 9.5 M31

Presents a ten-year rural health program and works out the cost of operating a dispensary.

26073 GARCÍA HERNÁNDEZ, LORENZO. El movimiento de educación vocacional en Colombia. Rev. Nac. de Agr. [Bogotá, 37(475): 39-44. Jan. 1944. 9.4 R32  
Includes agricultural education.

26074 GRANADOS G., RAÚL. Educación agrícola. Agr. Costarricense 1: 270-272; 2: 327-336. Nov./Dec. 1943, Jan. 1944. 8 Ag895

26075 GREEN, H. B. Many students; few vacancies. Farmer & Stock-Breeder 58: 424. Mar. 14, 1944. 10 F228

A survey of wartime facilities for agricultural education in England and Wales.

26076 GREGORY, R. W. Planning postwar programs for young farmers. Agr. Ed. Mag. 16: 190-191. Apr. 1944. 275.8 Ag8

Problems of agricultural training and adjustment for young men returning from the armed services and war industries.

26077 HARRILL, L. R. 4-H club boys and girls learn by doing. Carolina Co-op., Apr. 1944, p. 6-7, 20. 72.8 N81

26078 KENTUCKY. DEPT. OF EDUCATION. DIVISION OF VOCATIONAL EDUCATION. Future farmer activities in Kentucky's program of vocational agriculture 1944. Ky. Dept. Ed. Ed. Bul., v. 11, No. 12, 93 p. Feb. 1944. 4 F98F



- 26079 \*KLUCK. Das soziale hilfswerk des Reichs-  
nährstandes. Landesbauernschaft Niederschlesien.  
Wchnbl. Ausg. f. den Reg.-Bezirk Breslau 10: 455.  
Aug. 21, 1943. 18 S13
- 26080 LEBEL, LÉON. Les allocations familiales  
à Ottawa; taux croissant ou décroissant? Terre de  
Chez Nous 16(24): 2. Mar. 15, 1944. 7 T27  
Critical of family allowances which would decrease  
the amount paid for successive children.
- 26081 LINDSTROM, C. A. Agricultural motion pic-  
tures and the war. Soc. Motion Picture Engin. Jour.  
42: 177-186. Mar. 1944. 332.9 S01  
Motion pictures as a means of informing and train-  
ing farmers for wartime production.
- 26082 \*LUNEV, I. Isba-chital'nfa i zimnfaia  
agrotekhuchëba [Village reading room and winter study  
of agronomical technique]. Kolkhoz. Proizvod., No.  
11/12, p. 20. Nov./Dec. 1943. 281.8 K83
- 26083 MASON, D. I. "No podemos dilatar por más  
tiempo la expansión de la enseñanza agrícola y la re-  
estructuración de los establecimientos que ahora fun-  
cionan." Argentina. Min. de Agr. Dir. de Propag. y  
Pub. Noticioso 8: 149-150. Dec. 30, 1943. 9 Ar311N
- 26084 \*MEDROW, SIEGFRIED. Die berufsausbildung  
der neubaubewerber. Neues Bauerntum 35: 153-155.  
June/July 1943. 282.28 N39
- 26085 MELLE, H. A. The native's place in post-  
war development; adequate training in modern farming  
methods for individuals showing an agricultural bent.  
Farmer's Weekly [Bloemfontein] 66: 1076-1077. Feb.  
23, 1944. 24 F225
- 26086 MENDES, C. T. A divisão da propriedade  
agrícola. São Paulo (State). Sec. da Agr., Indús.  
e Com. Dir. de Publicidade Agr. Notas Agr. 6: 4-11.  
São Paulo, 1943. 31.9 Sa63  
Stresses the need for agricultural education before  
the subdivision of lands.
- 26087 \*METHLING, RICHARD. Soziale arbeit an der  
erfolgschaft. Landesbauernschaft Württemb. Wchnbl.  
110: 331. May 29, 1943. 18 W96  
Work for the social improvement of the rural  
classes.
- 26088 MICHIGAN. STATE BOARD OF CONTROL FOR VOCA-  
TIONAL EDUCATION. Apprenticeship experiences for  
prospective teachers of vocational agriculture.  
Mich. State Bd. Control for Vocat. Ed. Bul. 283, 13 p  
processed. Lansing, n. d. 275.9 M583  
Dept. of Education, Michigan State College, East  
Lansing cooperating.
- 26089 MOLLURA, PEDRO, and PINERO, ANTONINO.  
Los Clubs del Trabajo Agrícola en la Provincia de  
Buenos Aires. Res 12: 15.437-15.438. Jan. 5, 1944.  
286.85 R31  
The Clubs are educational institutions for rural  
youths of 10 years and over, sponsored by the Direc-  
ción de Agricultura, Ganadería e Industrias of the  
Province of Buenos Aires.
- 26090 MULLEY. These men can only talk farming.  
Farmers Weekly [London] 20(13): 31. Mar. 31, 1944.  
10 F2226  
Describes an agricultural institute maintained by  
British prisoners in a German prison camp.
- 26091 NORFOLK, DUKE OF. Young farmers' clubs.  
Agriculture (Jour. Min. Agr. Gt. Brit.) 50: 529-532.  
Mar. 1944. 10 G79J
- 26092 REUSS, C. F. Church membership and fi-  
nance in Virginia, the South and the Nation, 1936.  
Va. Univ. News Letter 20(13): 1. Apr. 1, 1944.  
280.9 V815  
Includes rural churches.
- 26093 REUSS, C. F. Trends in Virginia church  
membership and finance, 1926-1936. (Concl.) Va.  
Univ. News Letter 20(14): 1. Apr. 15, 1944.  
280.9 V815  
Includes rural churches.
- 26094 RICHTER, ELSE. Das dorf der lehrfrauen.  
Landesbauernschaft Württemb. Wchnbl. 110: 450. Aug.  
7, 1943. 18 W96
- 26095 \*ROMERO MONTERO, R. Más sobre capacita-  
ción rural. Surco [Madrid] 3(23): 27-28. Jan.  
1944. 15 Su7  
Education for rural living.
- 26096 ROY, J. B. Des sociétés d'agriculture  
formées de cercles agricoles. (Huitième article)  
Pour bénéficié des octrois. Bul. des Agr. 40(4):  
4. Apr. 1944. 7 B872
- 26097 \*SAUPE. Mädel rechtzeitig bei den land-  
frauensschulen anmelden! Landesbauernschaft Sachsen.  
Wchnbl. 91: 261. June 5, 1943. 18 Sa1
- 26098 SCHAPIRO, M. L. Un proyecto en educación  
agrícola en Costa Rica. Costa Rica. Inst. de De-  
fensa del Café. Rev. 14: 77-83. Jan. 1944.  
68.28 C82
- 26099 SCHMIDT, C. B. A divulgação agrícola em  
face das nossas condições atuais. São Paulo (State).  
Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr.  
Notas Agr. 6: 1-4. São Paulo, 1943. 31.9 Sa63  
On the diffusion of agricultural information in São  
Paulo State.
- 26100 SCOTT, K. D. The faith of a county agent.  
Land [Columbus, Ohio] 3: 201-204. 1943-44.  
279.8 L22  
Work and beliefs of a county agricultural extension  
agent.
- 26101 SILVEIRA, G. G. DA. O ensino profissional  
Lavoura, ano 46, Aug./Dec. 1942, p. 48-50. 9.2 L39  
Courses and teaching methods at the Escola de Hor-  
ticultura "Wencesláo Bello" in Brazil.
- 26102 \*STADELMANN, ALWIN. Erziehung ist vor-  
bild; der lehrherr als werber für den landwirtschaft-  
lichen nachwuchs. Landesbauernschaft Sachsen.  
Wchnbl. 91: 460. Oct. 23, 1943. 18 Sa1
- 26103 \*STADELMANN, ALWIN. Mehr wissen gibt  
höhere berufsfreude; berufserziehung im kampf gegen  
landkräftemangel. Landesbauernschaft Bayern.  
Wchnbl. Ausg. A 133: 519. Sept. 25, 1943. 18 B34W  
On the need for training in vocational agriculture  
in Germany.
- 26104 \*STADELMANN, ALWIN. Warum lehrherr werden!  
Landesbauernschaft Sachsen. Wchnbl. 91: 400. Sept.  
11, 1943. 18 Sa1  
Urges the farmer to accept pupils for training.
- 26105 STEWART, R. M. An enlarged program of vo-  
cational education featuring larger administrative  
units. Agr. Ed. Mag. 16: 184-185. Apr. 1944.  
275.8 A-3
- 26106 VÁZQUEZ, EMILIO. Nuevo significado del  
maestro rural. Amer. Indig. 4(1): 73-77. Jan. 1944.  
446.9 In8A  
Rural education in Peru.
- 26107 \*WETZEL. Staatsinstitut für den landwirt-  
schaftlichen unterricht. Die ausbildungsstätte für  
die landwirtschaftlichen berufs- und fachschullehr-  
kräfte. Landesbauernschaft Sachsen. Wchnbl. 91:  
294. June 26, 1943. 18 Sa1
- 26108 WILSON, C. M. The School of Pan American  
Agriculture; new center for tropical agriculture in  
Honduras. Pan Amer. Union. Bul. 78: 210-217. Apr.  
1944. 150.9 M76
- 26109 YOUNG, C. W. Statistiques vitales et  
médecine rurale. Estadística 2(5): 10-20. Mar.  
1944. 251.8 Es8  
The importance of vital statistics to rural medi-  
cine, with particular reference to Haiti.



Human Ecology

- 26110 COLLIS, J. S. The potentialities of the village. *Field* 183: 343. Apr. 1, 1944. 10 F45  
Possibilities for improvement of the English village.
- 26111 \*HAUSHOFER, H. K. Niederdonau; agrar-politische fragen eines reichsgaues. *Deut. Agrar-politik* 1: 368-373. Sept. 1943. 281.8 D48
- 26112 HAZELTINE, NORMA. Rural club uses old stage house. *West. Farm Life. Herdsmen Ed.* 46(7): 16. Apr. 1, 1944. 6 R153  
Community activities in Virginia Dale, Colo.
- 26113 MACDOUGALL, W. G. La région agronomique de Sherbrooke. *Terre de Chez Nous* 16(26): 17. Mar. 29, 1944. 7 T27  
Survey of the region with suggestions for agricultural program.
- 26114 QUIGLEY, HUGH. The Highlands of Scotland: proposals for development. *Agenda* 3(1): 77-96. Feb. 1944. 280.8 Ag3  
Recommends a policy making a regional unit of the Highlands similar to the policy followed in the Tennessee Valley.
- 26115 SCHMIDT, C. B. Regiões agro-econômicas do Estado de São Paulo. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr.* 6: 15-19. São Paulo, 1943. 31.9 Sa63
- 26116 \*STEGELICH, HANS. Landschaftsgebundene lehrgänge zur dorfkulturarbeit. *Landesbauernschaft Sachsen. Wchnbl.* 91: 414. Sept. 11, 1943. 18 Sal
- 26117 TAYLOR, C. C. Rural locality groups in Argentina. *Amer. Sociol. Rev.* 9: 163-170. Apr. 1944. 280.8 Am37  
A discussion of the various types of groups, their structure and modes of functioning.

Leadership

- 26118 GRAY, T. D. Neighborhood [agricultural] leaders at work in West Va. *W. Va. Farm News* 22(12): 3. Apr. 1944. 275.293 W. Va.

Rural Organizations and Movements

- 26119 ALCÍVAR CASTILLO, GONZALO. Estudio sintético acerca de las sociedades cooperativas. III. El cooperativismo en el Ecuador. *Manabí, Ecuador. Consorcio de Cent. Agr. Bol.* 5(36): 30-35. Nov./Dec. 1943. 9.5 M31  
Agricultural cooperatives.
- 26120 HENSON, E. T. The [National] Council [of Farmer Cooperatives] - now and tomorrow. *Natl. Council Farmer Coop. Blue Book* (1944) 11: 14-16. 280.29 N21
- 26121 BÓREA, DOMINGO. Bodegas cooperativas. *Coopecarril* 19(213): 22-26. Mar. 1943. 280.28 C7862  
Includes discussion of wine producers', fruit and vegetable producers', and poultry cooperatives in Argentina.
- 26122 BRINKLEY, H. L. The [National] Council [of Farmer Cooperatives] and the future. *Natl. Council Farmer Coop. Blue Book* (1944) 11: 1-5. 280.29 N21
- 26123 BRUCE, W. J. Do your statements tell the story? *U. S. Farm Credit Admin. News for Farmer Coop.* 11(1): 16-18. Apr. 1944. 166.2 N47  
Business statements by cooperatives.
- 26124 EDMONDS, C. C. Enduring values of farmer cooperation. *Natl. Council Farmer Coop. Blue Book* (1944) 11: 7. 280.29 N21
- 26125 FLEURY, FRANÇOIS. Le commerce coopératif agricole au Saguenay; les sociétés de cette région comptent plus de 1500 membres et leur commerce atteint \$2 millions près, par année. *Bul. des Agr.* 40(4): 13, 19. Apr. 1944. 7 B872
- 26126 FOWLER, H. L. Much co-operative expansion in western Canada, declares manager H. L. Fowler. *Farmers Union Herald* 8(4): 1, 3. Apr. 1944. 280.28 F224  
Farmers' cooperatives.
- 26127 GANDHI, C. M. Stalemate in the co-operative movement; need for a more active expansion. *Bombay Co-op. Quart.* 27: 86-89. Sept. 1943. 280.28 R63  
Includes rural cooperation.
- 26128 HALL, H. W. Mixed reactions greet attack on privileges of farm co-ops. *Dairyland News* 14(7): 8. Apr. 10, 1944. 280.28 W752
- 26129 JETER, F. H. The neighbors come through; how North Carolina folks got their farm work done in 1943. *Farm Jour.* 68(5): 26, 28. May 1944. 6 F2212  
Neighborhood cooperation in getting farm work done.
- 26130 KNAPP, J. G. 100-year-old-Rochdale principles--a guide to the future. *Almond Facts* 8(2): 2, 7. Mar./Apr. 1944. 280.28 Al62
- 26131 LINCOLN, M. D. The cooperative movement. *Amer. Fed.* 51(4): 23-24. Apr. 1944. 283.8 Am  
Includes farmers' cooperatives.
- 26132 MCDERMID, JEFF. A "way of life" based on the co-op warp and woof. *Better Crops with Plant Food* 28(3): 3-5, 50-52. Mar. 1944. 6 B46  
The cooperative movement, including farmers' cooperatives.
- 26133 MAC LEAN Y ESTENÓS, ALEJANDRO. El cooperativismo agrario en el Perú. *Gac. Algodonera* 20(240): 18. Jan. 31, 1944. 72.8 G11
- 26134 MARTIN, ROMEO. La Coopérative Fédérée de Québec: l'affiliation. *Terre de Chez Nous* 16(25): 4. Mar. 22, 1944. 7 T27  
Way in which local cooperatives may become affiliated with the Coopérative Fédérée.
- 26135 \*MEYER IN DER STROTH. Richter und bauer. *Landesbauernschaft Württemb. Wchnbl.* 110: 355. June 12, 1943. 18 W96  
On the old German Bauernthing or peasants' court and its modern counterpart.
- 26136 PAGE, H. L. Principles and practices of Grange. *Conn. Circle* 7(3-4): 45. Apr. 1944. 280.8 C7632
- 26137 PARIKH, G. L. Broach Co-operative Stores Society. *Bombay Co-op. Quart.* 27: 77-85. Sept. 1943. 280.28 B63  
Foodstuffs are handled by the Society.
- 26138 PICKETT, C. I. Today's farmer and tomorrow's food. *East. Milk Prod.* 20(7): 10, 15. Apr. 1, 1944. 280.28 Sh3  
A defense of the American Farm Bureau Federation.
- 26139 REID, E. B. Can co-ops cooperate? *U. S. Farm Credit Admin. News for Farmer Coop.* 11(1): 3, 7-8. Apr. 1944. 166.2 N47
- 26140 REYNOLDS, J. B. Farm movement in Ontario; from local clubs and the Grange to the Ontario Federation of Agriculture. *Canad. Countryman* 33(8): 5, 42. Apr. 15, 1944. 7 C853
- 26141 REYNOLDS, QUENTIN. Forty-seven million dollars of cooperative effort in 1943. *East. States Coop.* 20(4): 6-14. Apr. 1944. 280.28 Ea7  
Report of 1943 operations of Eastern States Farmers' Exchange. Includes financial statement by the treasurer, H. L. Lane.
- 26142 REYNOLDS, QUENTIN. A national challenge. *Natl. Council Farmer Coop. Blue Book* (1944) 11: 6. 280.29 N21  
The present attack on farmer cooperatives.
- 26143 RHODES, L. M. Cooperative effort. *For Sale, Want and Exch. Bul.* 2(2): 1. Apr. 15, 1944. 280.38 F74  
Farmers' cooperatives.



- 26144 ROBINSON, A. E. Compulsory unionism of farmers in New Zealand. *Straight Furrow* 3(2): 23, 25. Dec. 15, 1943. 281.8 St8
- 26145 ROBINSON, J. L. Members favor post-war expansion of services of Southern States Cooperative, U. S. Farm Credit Admin. *News for Farmer Coop.* 11(1): 5. Apr. 1944. 166.2 N47
- 26146 SANDERS, S. D. Why cooperate? *Tex. Farming and Citric.* 20(9): 6. Mar. 1944. 80 T31  
Objectives of farm cooperatives.
- 26147 SCHENCK, H. E. Farm Bureau represents all farmers in the U. S. A. and Puerto Rico. *Hoosier Farmer* 29(4): 6. Apr. 1944. 280.82 H76  
Refutation of accusations that the Farm Bureau represents the big farmers only.
- 26148 SPRINGER, MRS. FRED. Township meetings--the backbone of Farm Bureau. *Hoosier Farmer* 29(4): 9, 13. Apr. 1944. 280.82 H76
- 26149 STAPLES, R. S. The working community pool at Cavan [Ontario]. *Ontario Milk Prod.* 19: 262-263. Apr. 1944. 44.8 On8  
Cooperation by farmers in getting their farm work done.
- 26150 STERN, J. K. Teaching cooperative subjects. *Coop. Digest* 4(11): 48-49. May 1944. 280.28 C7896  
Deals chiefly with agricultural cooperation.
- 26151 SWANTON, M. K. A review of State [agricultural] councils. *Natl. Council Farmer Coop. Blue Book* (1944) 11: 9-11. 280.29 N21
- 26152 TENNEY, A. W. How 15 years stack up. *Successful Farming* 42(4): 46, 70-71. Apr. 1944. 6 Sul2  
An appraisal of the Future Farmers of America on their 15th anniversary.
- 26153 VALE, V. G. Collectivisation and co-operation. *Bombay Co-op. Quart.* 27: 159-169. Dec. 1943. 280.28 B63  
Advantages of cooperation for Indian agriculture.
- 26154 VILA CAMACHO, ALEJO. La Asamblea de Presidentes de Sociedades de Agricultores y la organización campesina. *Rev. Nac. de Agr. [Bogotá]* 37(476): 25-26. Feb. 1944. 9.4 R32
- 26155 VINE, VERNON. Advertising builds sales--membership--public relations. *U. S. Farm Credit Admin. News for Farmer Coop.* 11(1): 12-13, 23. Apr. 1944. 166.2 N47  
Advertising by cooperatives.
- 26156 WILLIAMSON, L. K. Community cooperation. *Free Amer.* 8(1): 15, 16. Spring 1944. 280.8 F872  
Cooperation of neighbors in doing their farm work.

## RURAL SOCIAL PSYCHOLOGY

- 26157 \*BLOEDORN, WILHELM. Partei und landvolk. *Deut. Agrarpolitik* 2: 10-13. Oct. 1943. 281.8 D48
- 26158 DOS PASSOS, JOHN. Three hundred acres and a tractor. *Harper's Mag.* 188: 538-547. May 1944. 110 H  
Observations on Midwest farming and farmers and their attitudes.
- 26159 \*MEYER IN DER STROTH. Bauernführer und politiker. *Landesbauernschaft Württemb. Wchnbl.* 110: 415. July 17, 1943. 18 W96  
A necessary outcome of the German land inheritance law is to make the farmer politically minded.
- 26160 SLOCOMBE, GEORGE. American farmers and post-war politics. *Field* 183: 272-273. Mar. 11, 1944. 10 F45  
Political power of the farmers.
- 26161 TAYLOR, CLIFFORD C., and EITREIM, I. M. Canadian farm sentiment: today's dominant trends. *U. S. Dept. Com. Foreign Com. Weekly* 15(2): 12-13, 38. Apr. 8, 1944. 157.54 F763

- 26162 TAYLOR, H. C. Pressure groups and the general interest. *Natl. Farm Inst. Proc.* (1944) 7: 87-94. 4 N219  
Includes farm pressure groups.

## TRADE, FOREIGN AND INTERNATIONAL

- 26163 COLE, D. S. Trade of Bermuda in 1943. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 360-364. Apr. 29, 1944. 286.8 C16  
Includes trade in agricultural products.
- 26164 EDWARDS, C. D. International cartels as obstacles to international trade. *Amer. Econ. Rev.* 34(1, pt. 2): 330-339. Mar. 1944. 280.8 Am32  
Cartels in general, including those which deal with agricultural products.
- 26165 MENDES, C. T. A agricultura e o protecionismo. *São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr.* 6: 59-66. São Paulo, 1943. 31.9 Sa63  
Tariff protection to industry and its effects upon agriculture.
- 26166 SYKES, PAUL. Outlook for post-war Canadian trade with India. *Canada. Dept. Trade and Com. Com. Intel. Jour.* 70: 317-319. Apr. 15, 1944. 286.8 C16

## Trade Agreements

- 26167 BRITISH COLUMBIA FRUIT BOARD. Annual report... for the fiscal year ending February 29, 1944. *Country Life [Brit. Columbia]* 28(3): 14, 15. Apr. 1944. 7 C832  
Reports on the apple agreement with the Dominion Government and marketing prospects.
- 26168 KELLOR, FRANCES. Inter-American commercial arbitration. *Pan Amer. Union. Bul.* 78: 218-222. Apr. 1944. 150.9 M76  
Outlines basic principles of inter-American commercial arbitration and lists cases to illustrate results.
- 26169 PAN AMERICAN UNION. Steps taken by the Pan American Union in fulfillment of the resolutions adopted at the eighth International Conference of American States and the three meetings of the ministers of foreign affairs of the American Republics. Report submitted to the members of the Governing Board by the Director General, October, 1943. *Pan Amer. Union. Cong. and Conf. Ser.* 44, 58 p., processed. Washington, D. C., 1943. 150.91 P198  
Includes the Inter-American Coffee Agreement.

## FOOD AND HUMAN NUTRITION

## GENERAL

- 26170 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. La alimentación de la grávida y de la madre que cria. *Argentina. Inst. Nac. de la Nutr. CNP* 13, ed. 2, 91 p. Buenos Aires, 1942. 389.9 Ar3P
- 26171 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. La alimentación humana en los diferentes períodos de la vida. Programa del curso breve para maestros primarios. *Argentina. Inst. Nac. de la Nutr. DNP* 5, 12 p., processed. Buenos Aires, 1943. 389.9 Ar3Pub
- 26172 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Caracteres morfológicos del niño normal. *Argentina. Inst. Nac. de la Nutr. Fol.* 17, 28 p., processed. Buenos Aires, 1941. 389.9 Ar3F
- 26173 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. La cocina familiar. Programa de estudios. *Argentina. Inst. Nac. de la Nutr. Fol.* 18, 10 p., processed. Buenos Aires, 1941. 389.9 Ar3F



- 26174 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. La cocina familiar. Programa de estudios (para la dietista encargada del curso). Argentina. Inst. Nac. de la Nutr. Fol. 18 bis, 16 p., processed. Buenos Aires, 1941. 389.9 Ar3F
- 26175 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Cursos para postgraduadas. Programa de los cursos "Educación de la salud" (fundamentos y técnica) y "Elementos de servicio social" (investigación y asistencia). Argentina. Inst. Nac. de la Nutr. Fol. 21, 12 p., processed. Buenos Aires, 1941. 389.9 Ar3F
- 26176 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Investigación tipológica del escolar. Normas para la realización de las fichas. Argentina. Inst. Nac. de la Nutr. Fol. 20, 12 p., processed. Buenos Aires, 1941. 389.9 Ar3F
- 26177 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Planes de estudio y programas de enseñanza. Argentina. Inst. Nac. de la Nutr. Fol. 2, ed. 2, 104 p. Buenos Aires, 1940. 389.9 Ar3F  
Education in dietetics.
- 26178 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Preparaciones de maíz amarillo. Argentina. Inst. Nac. de la Nutr. DNP 1, 14 p., processed. Buenos Aires, 1941. 389.9 Ar3Pub
- 26179 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Programas de trabajos prácticos. Argentina. Inst. Nac. de la Nutr. Fol. 13, 38 p. Buenos Aires, 1940. 389.9 Ar3F  
Instruction in dietetics.
- 26180 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. La puericultura en el Instituto Nacional de la Nutrición: doctrina y realización. Argentina. Inst. Nac. de la Nutr. Fol. 8, 32 p. Buenos Aires, 1940. 389.9 Ar3F
- 26181 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Reglamentación de las becas Latino-Americanas para la formación de médicos dietólogos y dietistas. Argentina. Inst. Nac. de la Nutr. Fol. 6, 43 p. Buenos Aires, 1939. 389.9 Ar3F
- 26182 BOWEN, E. R. Home production and good eating. Nebr. Home Econ. Assoc. Ann. Mtg. 1943. In Nebr. State Bd. Agr. Ann. Rpt. 1942: 246-249. 2 N27R
- 26183 BOYD, J. D. Dairy products protect child nutrition. Certified Milk 19(216): 3. Apr. 1944. 44.8 C33
- 26184 CALL, L. E. Food in the war effort. Kans. Acad. Sci. Trans. (1943) 46: 267-271. 500 K13T
- 26185 CALVERY, H. O. Safeguarding foods and drugs in wartime. Amer. Scientist 32: 103-119. Apr. 1944. 470 S12
- 26186 DAVIS, N. S., III. Nutrition "hidden hunger." Clin. Med. 51: 90-91. Apr. 1944. 448.8 Am36
- 26187 DRUMMOND, J. C. War-time nutrition and its lessons for the future. (To be cont.) Brit. Food Jour. 46: 21-23. Mar. 1944. 389.9 B77
- 26188 ESCUDERO, PEDRO. El concepto evolutivo en la alimentación. Argentina. Inst. Nac. de la Nutr. CMP 23, 19 p. Buenos Aires, 1942. 389.9 Ar3P
- 26189 ESCUDERO, PEDRO. Nuevo enunciado de las leyes del crecimiento. Argentina. Inst. Nac. de la Nutr. Fol. 12, 13 p. Buenos Aires, 1940. 389.9 Ar3F
- 26190 ESCUDERO, PEDRO, and LANDABURE, P. E. El sistema de asistencia colectiva mediante el refectorio. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 229-234. Buenos Aires, 1939. 389.9 Ar3T
- 26191 ESCUDERO, PEDRO, and PIERANGELI, ENRIQUE. Valor de los restaurantes populares. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 110-113. Buenos Aires, 1939. 389.9 Ar3T
- 26192 FARNUM, MARY. Combinations for spring menus. Forecast for Home Econ. 59(5): 22-24, 44, 46, 54. May 1944. 321.8 F76  
School lunches.
- 26193 FREEMAN, L. D. Spring vegetables have glamour, too! Amer. Restaurant Mag. 28(4): 30, 82, 84, 86. Apr. 1944. 389.2538 Am3
- 26194 GOODNIGHT, FRANCES. Your new hope for allergy troubles. Jour. Living 9(11): 13-15. May 1944. 389.8 J822
- 26195 HALL, H. M. Cook the Chinese way. Parents' Mag. 19(5): 56, 84-87. May 1944. 320.8 C433
- 26196 HARDING, T. S. Good nutrition under rationing. (To be cont.) Med. Rec. 157: 242, 244, 246. Apr. 1944. 448.8 M48
- 26197 HORESH, A. J. Allergy to odor of white potato (Irish potato). Jour. Allergy 15: 147-149. Mar. 1944. 448.8 J8236
- 26198 KEEPERS, W. F. Serving 5,000 meals in 5 minutes. Food Facts 13(8): 2-3. May 1944. 389.8 F734
- 26199 LEWIS, H. B. Natural toxicants and nutrition. Nutr. Rev. 2: 97-99. Apr. 1944. 389.5 N953
- 26200 LOVELL, PHYLLIS. "Legal eating" in Britain. Amer. Restaurant Mag. 28(4): 14, 16, 18, 20. Apr. 1944. 389.2538 Am3  
Restaurant conditions in Great Britain.
- 26201 MARSH, MRS. C. G. Meadow greens and wild fruits. (To be cont.) Pract. Home Econ. 22: 162-163. Apr. 1944. 321.8 H752
- 26202 PETERS, FLORENCE. The dietitian and the food production program. Amer. Dietet. Assoc. Jour. 20: 242, 244, 246. Apr. 1944. 389.8 Am34
- 26203 PIERANGELI, ENRIQUE. La alimentación en la antigua Grecia. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 202-211. Buenos Aires, 1939. 389.9 Ar3T
- 26204 PIERANGELI, ENRIQUE, and ESCUDERO, P. A. El servicio de alimentación del Instituto Nacional de la Nutrición de la Argentina. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 235-246. Buenos Aires, 1939. 389.9 Ar3T
- 26205 PIERANGELI, ENRIQUE, and ESCUDERO, P. A. El servicio público de alimentación complemento indispensable de la vivienda popular. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 452-459. Buenos Aires, 1939. 389.9 Ar3T
- 26206 RAMOS ESPINOSA, ALFREDO. Bases para un estudio geográfico de la alimentación en México. Amér. Indig. 4(1): 65-72. Jan. 1944. 446.9 In8A
- 26207 \*RAY, GEORGES. Le problème de l'alimentation en France. Chim. & Indus. [Paris] 48: 301-304. Nov. 1942. 383 C42
- 26208 REDING, RENÉ. Le problème de l'alimentation de populations. Ses aspects économiques et agricoles. Soc. Geog. de Lisboa Bol. 59: 95-128. Mar./Apr. 1941. 506 L68
- 26209 ROSAS, V. R. Alimentación del ternero. Vida Rural 5(54): 6. Jan. 1944. 9.4 V66
- 26210 ROTHMAN, BORIS. La alimentación en los comedores escolares. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 253-269. Buenos Aires, 1939. 389.9 Ar3T
- 26211 ROTHMAN, BORIS. Contribución al estudio de los conceptos hipocráticos sobre la alimentación de los enfermos. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 181-201. Buenos Aires, 1939. 389.9 Ar3T
- 26212 ROTHMAN, BORIS, and RADICE, J. C. Modificaciones de la estructura de las carnes de consumo tratadas por ebullición y por fritura. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 408-440. Buenos Aires, 1942. 389.9 Ar3Pu



26213 \*SCHMIDT, H. W. Der ernährungsbiologische wert unserer "aussenseiter" der niederjagd. Ernährung 8: 122-125. May 1943. 389.8 Er6

26214 SPERLING, VICTOR. Alimentamo-nos razo-avelmente? São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 44-48. São Paulo, 1943. 31.9 Sa63

26215 SPERLING, VICTOR. O problema da alimenta-ção e os seus varios aspectos. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 48-52. São Paulo, 1943. 31.9 Sa63

26216 SPERLING, VICTOR. O problema da alimenta-ção humana. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 40-44. São Paulo, 1943. 31.9 Sa63

26217 STAMBAUGH, S. U. The pigeon pea as a food crop. Fla. State Hort. Soc. Proc. (1943) 56: 175-177. 81 F66

26218 STARE, F. J. Nutrition in medicine. N. Y. Acad. Med. Bul. 20: 237-252. Apr. 1944. 448.9 N48

26219 \*VERGNAUD, HENRI. Ressources apportées par le haricot d'Asie à l'alimentation humaine. Chim. & Indus. [Paris] 48: 126-133. Sept. 1942. 383.C42

26220 WASTE not - want not. U. S. Agr. Adjust. Admin. Consumers' Guide 10(6): 3-4. May 1944. 1.94 Ad422C

26221 WORLD RELIEF plan: how UNRRA will work; program for feeding and clothing millions in liberated countries. U. S. News 16(17): 46, 48, 50. Apr. 28, 1944. 280.8 Un33A

#### DIETS

26222 ELMAN, ROBERT. Parenteral fluids and food in gastrointestinal disease. N. Y. Acad. Med. Bul. 20: 220-236. Apr. 1944. 448.9 N48

26223 ESCUDERO, PEDRO. La dietista argentina; su orientación medicosocial. Argentina. Inst. Nac. de la Nutr. CNP 22, 38 p. Buenos Aires, 1942. 389.9 Ar3P

26224 ESCUDERO, PEDRO. Estudio técnico econó-mico de la alimentación de 159 familias de obreros y empleados de la ciudad de Buenos Aires. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 215-228. Buenos Aires, 1939. 389.9 Ar3T

26225 ESCUDERO, PEDRO. El factor alimentación en la evolución de la diabetes infantil. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 200-211. Buenos Aires, 1942. 389.9 Ar3Pu

26226 ESCUDERO, PEDRO, MOSTO, DOMINGO, and HER-RAIZ, M. L. Influencia del cociente ceto-anticeto-geno de la dieta sobre la estructura histológica del pancreas. Argentina. Inst. Nac. de la Nutr. Recopi-lación de Trab. Cient. 1940/41: 548-562. Buenos Aires, 1942. 389.9 Ar3Pu

26227 HAUSER, GAYELORD. Beauty is as beauty eats. Household Mag. 44(4): 4, 25, 28-29. Apr. 1944. 321.8 H813

26228 KRAMER, M. M. Internment camp food in occupied China. Amer. Dietet. Assoc. Jour. 20: 213-215. Apr. 1944. 389.8 Am34

26229 SAMUELS, L. T., and CONANT, R. F. The adrenals and the mobilization of stored fat formed from diets containing different fats. Jour. Biol. Chem. 152: 173-179. Jan. 1944. 381 J824

26230 WATSON, DONALD. Should vegetarians eat dairy produce? (Concl.) Veg. Messenger and Health Rev. 41: 79-81. Apr. 1944. 389.8 V522

26231 WHAT'S your neighbor cooking? International food relations add zest to wartime meals, give pointers on food conservation, make us better acquainted with our allies. U. S. Agr. Adjust. Admin. Con-sumers' Guide 10(4): 3-5. Apr. 1944. 1.94 Ad422C

#### FOOD HABITS

26232 DOWNES, JEAN, and BARANOVSKY, ANNE. Food habits of families in the eastern health district of Baltimore in the winter and spring of 1943. Milbank Mem. Fund Quart. 23: 161-192. Apr. 1944. 449.9 M582

#### NUTRITIVE AND VITAMIN CONTENT

26233 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRI-<sup>o</sup>CIÓN. Tablas de la composición química de los ali-mentos; materias primas y preparaciones alimenticias. Argentina. Inst. Nac. de la Nutr. CNP 10, 153 p. Buenos Aires, 1942. 389.9 Ar3P

26234 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRI-<sup>o</sup>CIÓN. Tablas para el calculo de la composición química de los alimentos y de las comidas. Argen-tina. Inst. Nac. de la Nutr. Fol. 15, 13 p., proc-essed. Buenos Aires, 1941. 389.9 Ar3F

26235 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRI-<sup>o</sup>CIÓN. La utilización de la cebada perlada en la alimentación humana. Argentina. Inst. Nac. de la Nutr. Ser. B. Fol. 1, 21 p., processed. Buenos Aires, 1942. 389.9 Ar3F

26236 BAER, R. E. High protein spaghetti for rehabilitation. Macaroni Jour. 25(12): 78-79. Apr. 1944. 298.8 N46

26237 BANKS, E. S., and BROWNSTONE, CECILY. How to get your vitamins. Parents' Mag. 19(5): 54, 81-83. May 1944. 320.8 C433

26238 BATCHELDER, E. L., and EBBS, J. C. Some observations of dark adaptation in man and their bearing on the problem of human requirement for vita-min A. Jour. Nutr. 27: 295-302. Apr. 10, 1944. 389.8 J82

26239 BICKOFF, EMANUEL, and WILLIAMS, K. T. Stability of carotene added to solid carriers. Indus. and Engin. Chem., Indus. Ed. 36: 320-329. Apr. 1944. 381 J825

26240 BING, F. C. Some nutritional aspects of the enrichment program. Bakers' Digest 18(2): 29-31. Apr. 1944. 389.8 S11

26241 BOUTWELL, R. K., and others. Effect of flavor on nutritive value of fats. Soc. Expt. Biol. and Med. Proc. 55: 153-155. Mar. 1944. 442.9 Sol R.P. Geyer, C.A. Elvehjem, and E. B. Hart, joint authors.

26242 CASETY, M. Z. See "what's good for you." Pract. Home Econ. 22: 161, 184. Apr. 1944. 321.8 H752

Visual nutrition instruction.

26243 COOPERMAN, J. M., and ELVEHJEM, C. A. The B vitamin content of groats and rolled oats. Jour. Nutr. 27: 329-333. Apr. 10, 1944. 389.8 J82

26244 CRAIG, A. A., LEWIS, F. J. W., and WOODMAN, DOROTHY. Survey of vitamin C level in wartime in pregnant women. Brit. Med. Jour. 4343, p. 455-457. Apr. 1, 1944. 448.8 B77

26245 DEUEL, H. J., JR., and others. Studies of the comparative nutritive value of fats. II. The com-parative composition of rats fed different diets. Jour. Nutr. 27: 335-338. Apr. 10, 1944. 389.8 J82 L. F. Hallman, Eli Movitt, F. H. Mattson, and Esther Wt., joint authors.

26246 DEUEL, H. J., JR., and MOVITT, ELI. Stud-ies of the comparative nutritive value of fats. III. The effect of flavor on food preference. Jour. Nutr. 27: 339-346. Apr. 10, 1944. 389.8 J82 With the technical assistance of Evelyn Brown.

26247 DODDS, M. L., and MACLEOD, F. L. A survey of the ascorbic acid status of college students. Jour. Nutr. 27: 315-318. Apr. 10, 1944. 389.8 J82



- 26248 ESCUDERO, ADOLFO, and ALVAREZ HERRERO, H. G. DE. Acción del bromato de potasio sobre el contenido de vitamina B<sub>1</sub> del pan. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 7-13. Buenos Aires, 1942. 389.9 Ar3Pu
- 26249 ESCUDERO, ADOLFO, and ALVAREZ HERRERO, H. G. DE. Determinación de la acción del bromato de potasio sobre soluciones acuosas de tiamina, utilizando un método biológico. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 15-18. Buenos Aires, 1942. 389.9 Ar3Pu
- 26250 ESCUDERO, ADOLFO, and HERRAIZ, M. L. Dosis mínima de acetato de alfa tocoferol necesaria para prevenir la esterilidad de la rata blanca macho. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 24-34. Buenos Aires, 1942. 389.9 Ar3Pu
- Results of experiments to determine minimum amount of vitamin E.
- 26251 ESCUDERO, ADOLFO, HERRAIZ, M. L., and RADICE, J. C. Influencia de la vitamina E, sobre la estructura histológica del tiroides. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 42-47. Buenos Aires, 1942. 389.9 Ar3Pu
- 26252 ESCUDERO, ADOLFO, HERRAIZ, M. L., and RADICE, J. C. Influencia de la vitamina E sobre la estructura y la función inrectora del testículo. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 58-65. Buenos Aires, 1942. 389.9 Ar3Pu
- 26253 ESCUDERO, PEDRO, and ROTHMAN, BORIS. El contenido proteico de la alimentación. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 71-85. Buenos Aires, 1939. 389.9 Ar3T
- 26254 ESCUDERO, PEDRO, and others. Contenido "vitaminico" (tiamina, riboflavina y ácido nicotínico) de algunas frutas cítricas argentinas. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 19-23. Buenos Aires, 1942. 389.9 Ar3Pu
- Adolfo Escudero, M. L. Herraiz, H. G. de Alvarez Herrero, joint authors.
- 26255 ESCUDERO, PEDRO, and others. Demostración del contenido de vitamina C de la yerba mate por el método biológico. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 18-70. Buenos Aires, 1939. 389.9 Ar3T
- Adolfo Escudero, M. L. Herraiz, Domingo Mosto, and J. C. Radice, joint authors.
- 26256 ESCUDERO, PEDRO, and ESCUDERO, P. A. Empleo de alimentos vitaminizados. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 114-117. Buenos Aires, 1939. 389.9 Ar3T
- 26257 ESCUDERO, PEDRO, and others. Estudio experimental sobre la influencia de la cantidad de grasa en la alimentación. Argentina. Inst. Nac. de la Nutr. Trab. y Pub. 4: 1-17. Buenos Aires, 1939. 389.9 Ar3T
- Adolfo Escudero, M. L. Herraiz, Domingo Mosto, R. J. Pico, J. C. Radice, and Moisés Polak, joint authors.
- 26258 ESCUDERO, PEDRO, ESCUDERO, ADOLFO, and HERRAIZ, M. L. Sobre la presencia de vitamina C en el mastuerzo ("Coronopus pinnatifidus," "Coronopus didymus"). Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 1-6. Buenos Aires, 1942. 389.9 Ar3Pu
- 26259 ESCUDERO, PEDRO, and ROTHMAN, BORIS. Valor alimentario de los diversos aceites empleados en la alimentación humana. Argentina. Inst. Nac. de la Nutr. CNP. 24, 63 p. Buenos Aires, 1942. 389.9 Ar3P
- 26260 EULER, BETH VON, EULER, HANS VON and SÄBERG INEZ. Über den bedarf höherer tiere an vitamin B komponenten bei fettarmer und fettfreier diät. Hoppe-Seyler's Ztschr. f. Physiol. Chem. 277: 26-46. Dec. 16, 1942. 384 Z38
- 26261 FINK, HERMANN, and JUST, FELIX. Über das schicksal des vitamins B<sub>1</sub> der gerste in der graupenmühle. Jour. f. Prakt. Chem. 162: 113-120. Feb. 15, 1943. 384 J82
- 26262 GARASSINI, L. A., and SORIANO, A. M. DE. Estudio microbiológico de las levaduras prensadas que se expenden en la ciudad de Buenos Aires. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 476-502. Buenos Aires, 1942. 389.9 Ar3Pu
- 26263 GLICK, DAVID. Simplified procedures for the determination of thiamine in wheat flours and bread by the thiochrome method. Cereal Chem. 21: 119-126. Mar. 1944. 59.8 C33
- 26264 GOMES DOS REIS, J. C. O valor alimenticio das frutas cítricas. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 192-198. São Paulo, 1943. 31.9 Sa63
- 26265 GROVER, D. W. Food analysis. Pt. II. Food Manufacture 19: 135-136, 139. Apr. 1944. 389.8 F736
- 26266 HOLMES, A. D. Effect of pasteurization on the riboflavin content of milk. Amer. Dietet. Assoc. Jour. 20: 226-227. Apr. 1944. 389.8 Am34
- 26267 HOLMES, W. B., JR. Vitamins and flour enrichment. Assoc. Oper. Millers Bul., Apr. 1944, p. 1354-1355. 298.9 As7
- 26268 KAHN, R. M., and HALLIDAY, E. G. Ascorbic acid content of white potatoes as affected by cooking and standing on steam-table. Amer. Dietet. Assoc. Jour. 20: 220-222. Apr. 1944. 389.8 Am34
- 26269 KIK, M. C., and VAN LANDINGHAM, F. B. Nicotinic acid in products of commercial rice milling and in rice varieties. Cereal Chem. 21: 154-158. Mar. 1944. 59.8 C33
- 26270 KOK, E. A. As vitaminas no leite. São Paulo (State). Sec. da Agr., Indús. e Com. Dir. de Publicidade Agr. Notas Agr. 6: 498-502. São Paulo, 1943. 31.9 Sa63
- 26271 LAL, G. B. What you should know about vitamin pills. Jour. Living 9(11): 27-31. May 1944. 389.8 J822
- 26272 LAURENT. Des vitamines, M. Blanchard! Rev. d'Oka 18: 48-59. Mar./Apr. 1944. 7 Okl
- 26273 LEE, ROYAL, and STOLZOFF, J. S. The special nutritional qualities of natural foods. Lee Found. Nutritional Res. Rpt. 4, 61 p. Milwaukee 1942. 389.9 L51
- 26274 LINEWEAVER, HANS. Testing enzymes in relation to vegetable dehydration. Dehydration Conference (1944) 3: 7-11, processed. 389.9 D362
- 26275 MCLAREN, B. A., COVER, SYLVIA, and PEARSON, F. B. A simplified fluorometric method for riboflavin in meat. Arch. Biochem. 4: 1-5. Apr. 1944. 381 Ar2
- 26276 MELLANBY, SIR EDWARD. Nutrition in relation to bone growth and the nervous system. Roy. Soc. London, Proc., Ser. B. 132(866): 28-46. Mar. 1944. 501 L84B
- 26277 \*MIELCK, OTFRIED. Tierisches und pflanzliches eiweiss; was liefert die flächeneinheit mehr? Deut. Agrarpolitik 1: 366-367. Sept. 1943. 281.8 D48
- Animal and vegetable products with high protein content.
- 26278 MORGAN, A. F. Retention of vitamins in dehydrated foods. Dehydration Conference (1944) 3: 12-18, processed. 389.9 D362
- 26279 MYRON, L. L. Eat to beat brain fatigue. Jour. Living 9(11): 3-12. May 1944. 389.8 J822
- 26280 PAVCEK, P. L., and ELVEHJEM, C. A. Work of the committee on food composition. Amer. Dietet. Assoc. Jour. 20: 216-219. Apr. 1944. 389.8 Am34



26281 PECK, LYMAN. Animal and vegetable protein. Grain and Feed Rev. 33(8): 24, 28, 49. Apr. 1944. 280.28 C78

26282 PERLENFEIN, H. H. A survey of vitamin F. Lee Found. Nutritional Res. Rpt. 3, 36 p. Milwaukee, 1942. 389.9 L51

26283 \*RESCHKE, JOHANNES. Über den vitaminge-halt von obstsäften. Ernährung 8: 137-143. June 1943. 389.8 Er6

26284 ROBBINS, C. C. Bread. N. Y. Bot. Gard. Jour. 45: 54-66. Mar. 1944. 451 N48J

The reasons for the unpopularity of whole wheat bread, its nutritive value, and the making of a home-made bread of whole wheat and soybeans.

26285 ROTHMAN, BORIS, and POLAK, MOÏSES. Estudio microscópico e histoquímico de los granos alimenticios, sus derivados y los medios de cocción utilizados en sus preparaciones culinarias. Argentina. Inst. Nac. de la Nutr. Recopilación de Trab. Cient. 1940/41: 378-407. Buenos Aires, 1942. 389.9 Ar3Pu

26286 \*SARALITSCHKA, THEODOR, PRIEM, ANNEMARIE, and MICHELIS, HEDWIG. Zur gewinnung vitamin-C-reicher hagebuttendauerpräparate durch trocknen. Ernährung 8: 161-171. July 1943. 389.8 Er6

26287 SCOLAR, F. I., and WILLARD, HELEN. Effect of refrigeration on ascorbic acid content of canned fruit juices after opening. Amer. Dietet. Assoc. Jour. 20: 223-225. Apr. 1944. 389.8 Am34

26288 THOMPSON, C. R., and STEENBOCK, HARRY. The effect of  $\alpha$ -tocopherol and  $\beta$ -carotene in the oxidation of plant and animal fats. Arch. Biochem. 4: 15-23. Apr. 1944. 381 Ar2

26289 TUBA, J., HUNTER, G., and KENNEDY, L. L. On the sources of vitamin C. II. Alberta native fruits. Canad. Jour. Res. Sect. C, Bot. Sci. 22: 33-37. Apr. 1944. 470 C16C

26290 URBACH, ERICH. Oral deallergization of food allergy with propeptans. Arch. Ped. 61: 184-196. Apr. 1944. 448.8 Ar27

26291 WEIER, T. E. Changes in carotene and starch blanching and dehydration. Dehydration Conference (1944) 3: 19-20, processed. 389.9 D362

26292 WELLINGBROOK, KATHERINE. Bread and milk make a team. Natural allies - nutritionally and economically. Mod. Miller 71(16): 16. Apr. 15, 1944. 298.8 M72

Also in Natl. Butter and Cheese Jour. 35(4): 22. Apr. 1944. 286.85 B98Bu

26293 WOKES, F., and others. Apparent vitamin C in foods. Biochem. Jour. 37: 695-702. 1943. 382 B52

J.G. Organ, Jeanette Duncan, and F.C. Jacoby, joint authors.

26294 \*WOLF, JOHANNES. Der vitamin-C-gehalt deutscher apfelsorten. Ernährung 8: 117-122. May 1943. 389.8 Er6

26296 FRASER, S. B. Canadian agriculture and the war. Rural Bank N. S. Wales. Farm Front 1: 137-139, processed. Oct. 1943. 281.9 R883

Official agencies concerned with agricultural control, particularly the Agricultural Supplies Board and the Wartime Prices and Trade Board.

26297 LIEBER, RICHARD. We're all in the same boat with the farmer. Hoosier Farmer 29(4): 7, 31. Apr. 1944. 280.82 H76

Conservation of natural resources.

26298 LINDSTROM, C. A. Agricultural motion pictures and the war. Amer. Cinematographer 25: 130, 134. 137-138. Apr. 1944. 332.8 Am33

26299 \*RAY, GEORGE. L'agriculture et la synthèse chimique. Chim. & Indus. [Paris] 47: 520-523. Apr. 1942. 383 C42

26300 REPPELO, NICOLÁS. Washington: el Departamento de Agricultura. Rev. Nac. [Habana] 3(29): 31. Apr. 1944. 280.8 R3295

26301 SALTER, A. G. Rodents cause high annual loss. Calif. Cult. 91(8): 206-207. Apr. 15, 1944. 6 C12

Methods of control.

26302 SHAW, H. R. The United States Department of Agriculture Library. Libr. Jour. 69: 333-335. Apr. 15, 1944. 243.8 L61

Chiefly on the organization and activities of the Division of Bibliography.

26303 YOUNG, PHILIP. FEA functions in the export field. U. S. Dept. Com. Foreign Com. Weekly 15(3): 8-11. Apr. 15, 1944. 157.54 F763

Activities of the Foreign Economic Administration.

#### HISTORY AND BIOGRAPHY

26304 ARDEMAGNI, MIRKO. Un rey pastor en la Patagonia. Argentina Austral 14(144): 112-113. June 1943. 120 M522

Discussion of José Menéndez.

26305 BORTH, CHRISTY. My last visit with Dr. Carver. Chemurg. Digest 3: 111-112. Apr. 29, 1944. 381 M213Na

26306 BUSTILLO, J. M. José Menéndez, ganadero. Argentina Austral 14(144): 51-53. June 1943. 120 M522

26307 \*PEDRO RODRIGO, JUAN. Una granja agrícola en Galicia dirigida por los Benedictinos. Surco [Madrid] 2(21): 24-28. Nov. 1943. 15 Su7

History of the monastery.

26308 WILSON, M. L. The agricultural Jefferson recognized. U. S. Ext. Serv. Ext. Serv. Rev. 15: 55. Apr. 1944. 1 Ex892Ex

#### INTER-AMERICAN RELATIONS

26309 PAN AMERICAN UNION. Inter-American economic cooperation; volume III of the series on evolution of the Pan American movement. Pan Amer. Union. Club and Study Ser. 2, 57 p., processed. Washington, D. C., 1942. 150.91 In88

Chapter II deals with inter-American agricultural cooperation.

#### RESEARCH

26310 AGETE, FERNANDO. Estación agronómica: su deber ante el país. Rev. Nac. [Habana] 3(29): 29-30. Apr. 1944. 280.8 R3295

Program of the Estación Experimental Agronómica de Santiago de las Vegas, Cuba.

26311 THE AGRICULTURAL Research Council of Great Britain. C. S. T. A. Rev. [Canada], No. 40, p. 5-8. Mar. 1944. 7 C167C

Summary of information supplied by Lord De La Warr.

#### MISCELLANEOUS

##### GENERAL

26295 CADENA GARZÓN, FAUSTINO. Importancia y trascendencia económica de la Provincia de Oriente. Vida Rural 5(55): 36. Feb. 1944. 9.4 V66

Discusses the conference of municipalities of the Province of Oriente, Colombia, being organized by the Vida Rural to deal with rural problems.



26312 AUCHTER, E. C., and HAMBIDGE, GOVE. Plowshares into swords. Sci. Monthly 58(5): 333-344. May 1944. 470 Sci23

A brief account of the work of the Agricultural Research Administration.

26313 GRIGGS, E. F. Fighting wastage of our food resources by organized research. Amer. Vet. Med. Assoc. Jour. 104: 194-197. Apr. 1944. 41.8 Am3

Chiefly on the activities of the National Research Council in promoting cooperation among agencies engaged in research in the fields of human and animal nutrition and crop protection.

26314 LININGER, FRED. Wartime research serves Pennsylvania farmers. Pa. Beekeeper 19(1): 9-10. Mar. 1944. 424.8 P38

26315 \*MOLINO, E. Cómo funcionan las Estaciones de Prácticultura y Cultivos de Vega y de Fitopatología Agrícola de La Coruña. Surco [Madrid], No. 21, Sup. p. 12-13, 15. Nov. 1943. 15 Su7

26316 PORTER, A. M. Report of vegetable research conducted at the University of Connecticut and Storrs Experiment Station in 1943. Conn. Veg. Growers' Assoc. Proc. (1943)31: 39-44. 75.9 C76

General research, including vegetable research.

26317 REPORT on research in 1943 at the Connecticut Agricultural Experiment Station, New Haven. Conn. Veg. Growers' Assoc. Proc. (1943)31: 29-38. 75.9 C76

26318 SHERMAN, V. C. Co-op research gets a wartime work-out. U. S. Farm Credit Admin. News for Farmer Coop. 11(1): 6-7. Apr. 1944. 166.2 N47

26319 \*TIURIN, A., and KODANEV, I. Podniat' rol' kolkhoznykh khat-laboratorií [To raise the importance of kolkhoz cottage-laboratories]. Kolkhoz. Proizvod., No. 11/12, p. 21. Nev./Dec. 1943. 281.8 K83

26320 TUCUMÁN. ESTACIÓN EXPERIMENTAL AGRÍCOLA. La Estación Experimental Agrícola de Tucumán; antecedentes, leyes y decretos, organización y trabajo. Tucumán Estac. Expt. Agr. Bol. 44, 37 p. Tucumán, 1943. 102.5 T79B

#### NEW PERIODICALS AND SERIALS

26321 ACTA ZOOLÓGICA LILLOANA (Universidad Nacional de Tucumán. Instituto "Miguel Lillo"). Vol. 1, 1943. 91 p. Tucumán, Argentina. 410 Ac82

26322 CONGRESO NACIONAL DE ALIMENTACIÓN. [Proceedings], 1st, 1943. 84 p. Habana. 389.9 C765  
Published as the issue for Oct. 1943 (vol. 16, No. 278) of Tribuna Médica, órgano oficial de la Federación Médica de Cuba.

26323 DOMINICAN REPUBLIC. SECRETARÍA DE ESTADO DE AGRICULTURA, INDUSTRIA Y TRABAJO. SERVICIO DE REGISTRO. Anuario estadístico. 1st, 1942. 130 p. Ciudad Trujillo. 55.9 D71

26324 DU PONT DE NEMOURS, E. I., & COMPANY (INC). ORGANIC CHEMICALS DEPT. Poultry Comment, Bimonthly. Vol. 1, No. 1, Feb. 1944. 4 p. Wilmington, Del. 47.8 D92

26325 GEORGIA. UNIVERSITY. GEORGE FOSTER PEABODY SCHOOL OF FORESTRY. Bulletin. Irregular. No. 1, Aug. 1943. 34 p., processed. Athens. 99.08 G293B

26326 GREEN GOLD; Keep Oregon Green Quarterly. Vol. 1, No. 1, Nov. 1943. 12 p. Portland 8, Oreg., P. O. Box 4137. 99.8 G822

Published by Federal Cooperative Extension Service of Oregon State College in cooperation with Oregon State College School of Forestry, State Department of Forestry, and Keep Oregon Green Association.

26327 NASJONAL SAMLING. NS Arbok 1942. 207 p. Oslo, Blix Forlag, 1943. 257.2 N17

A photostat.

Includes a directory of official agricultural organizations in Norway.

26328 NATIONAL DEHYDRATORS ASSOCIATION. BULLETIN. Irregular. No. 29, 2 parts. Mar. 15, 1944. Washington, 815 Bowen Bldg. 389.9 N219

26329 PARÁ, BRAZIL. INSTITUTO AGRONÓMICO DO NORTE. Circular. Irregular? No. 1, Dec. 26, 1943. 25 p. Belém. 9.2 P213

26330 PATAGONIA, revista de la industria ovejera. Monthly? Año 1, No. 1, June 1943. 48 p. Santiago, Chile, Sotomayer 721. 45.8 P27

26331 THE PLANTATION STOCKMAN, dedicated to the best interests of the producers of southern livestock. Monthly. Vol. 1, No. 1, Sept. 1943. 36 p. Montgomery (3), Ala., Moore Bldg. 49 P69

26332 QUÍMICA; órgano de la Facultad de Ciencias Químicas. Monthly. Vol. 1, No. 1, Aug. 1942. 33 p. México, D. F. 385 Q4

Edited by the Sociedad de Alumnos de la Escuela Nacional de Ciencias Químicas.

26333 STRAIGHT FURROW; official organ, New Zealand Farmers' Union. Monthly. Vol. 3, No. 2, Dec. 15, 1943. 72 p. Wellington, 35 Johnson St. 281.8 St8

26334 SUELO ARGENTINO. Monthly. Año 2, Vol. 2, No. 19, July 1943. 74 p. Buenos Aires, Doblas 955. 9 Su2

26335 URUGUAY. MINISTERIO DE GANADERÍA Y AGRICULTURA. SERVICIO DE INFORMACIÓN Y PRENSA. Boletín Informativo. Weekly. Año 1, Tomo 1, No. 1, Feb. 3, 1944. 12 p. Montevideo. 9.9 G15B

#### CORRECTIONS

26336 ALBRECHT, W. A. Soil fertility and soybean production. Soybean Digest 4(4): 6-7. Feb. 1944. 60.38 Ss9

Correction of item 13443. April 1944 issue.

26337 PLATT, C. S. Flock mating test points the way; was a profit of \$6.46 per bird a freak, or could this be maintained under actual laying house conditions with good stock? N. J. Farm and Garden 14(12): 26, 28-29. Dec. 1943. 6 G162

Correction of item 2037, January 1944 issue.

26338 PORTUGAL. MINISTERIO DA ECONOMIA. DIRECÇÃO GERAL DOS SERVIÇOS AGRÍCOLAS. REPARTIÇÃO DE ESTUDOS, INFORMAÇÃO E PROPAGANDA. Adubação do trigo no ano 1941-1942. Instruções elaboradas pela repartição do sulfato de amónio pelo nitrato de sódio. Portugal. Min. da Econ. Dir. Geral dos Serv. Agr. Repart. de Estud. Inform. e Propag. Sér. Divulgação 20, 7 p. Lisboa, 1941. 15.5 Ag84D

Correction of item 5413, February 1944 issue.



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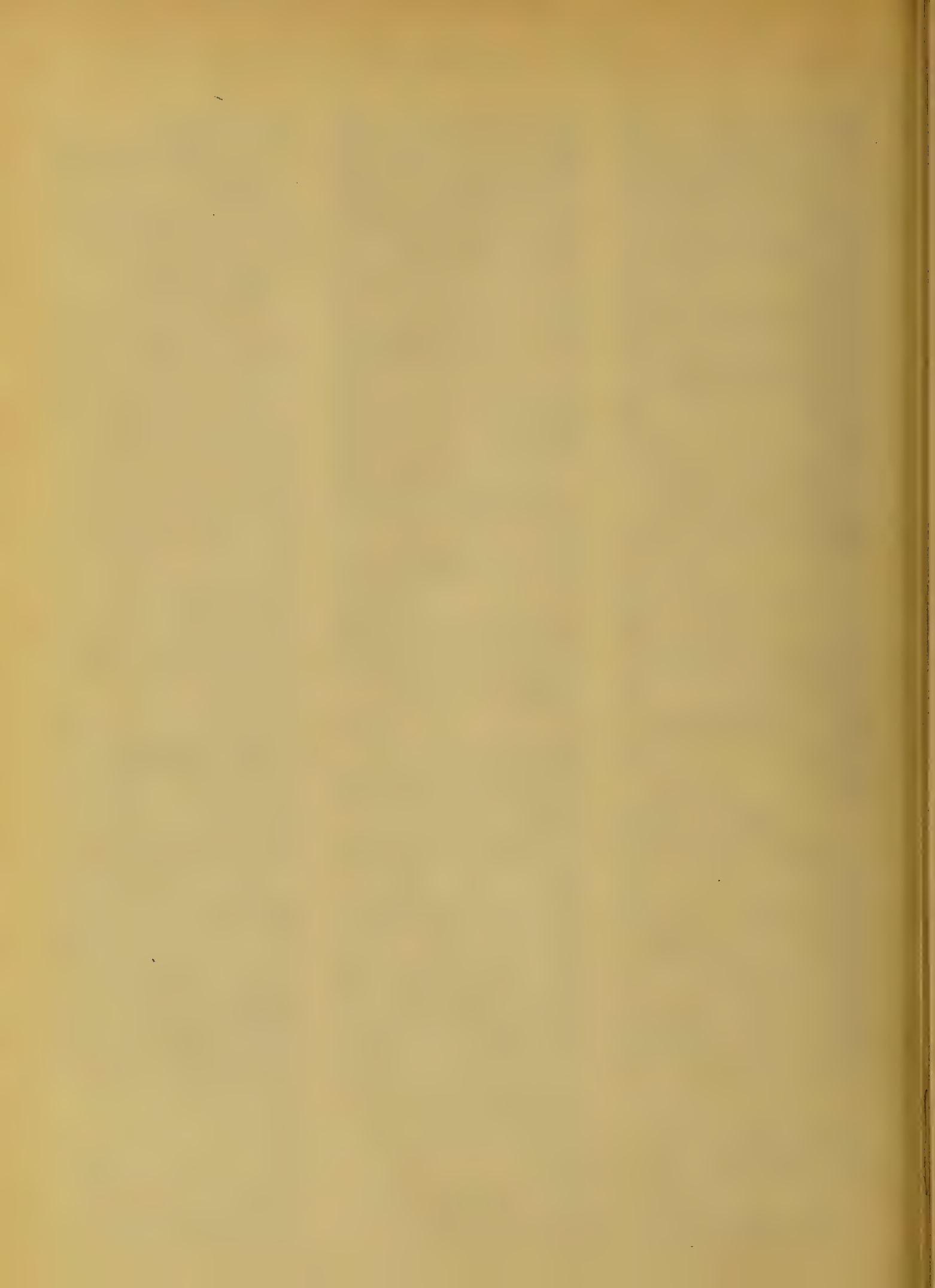
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